Catalog
200

ALLIED

everything in electronics

ALLIED
RADIO
1961

ALLIED

everything in electronics

1961

OUR 40TH YEAR

CATALOG 200
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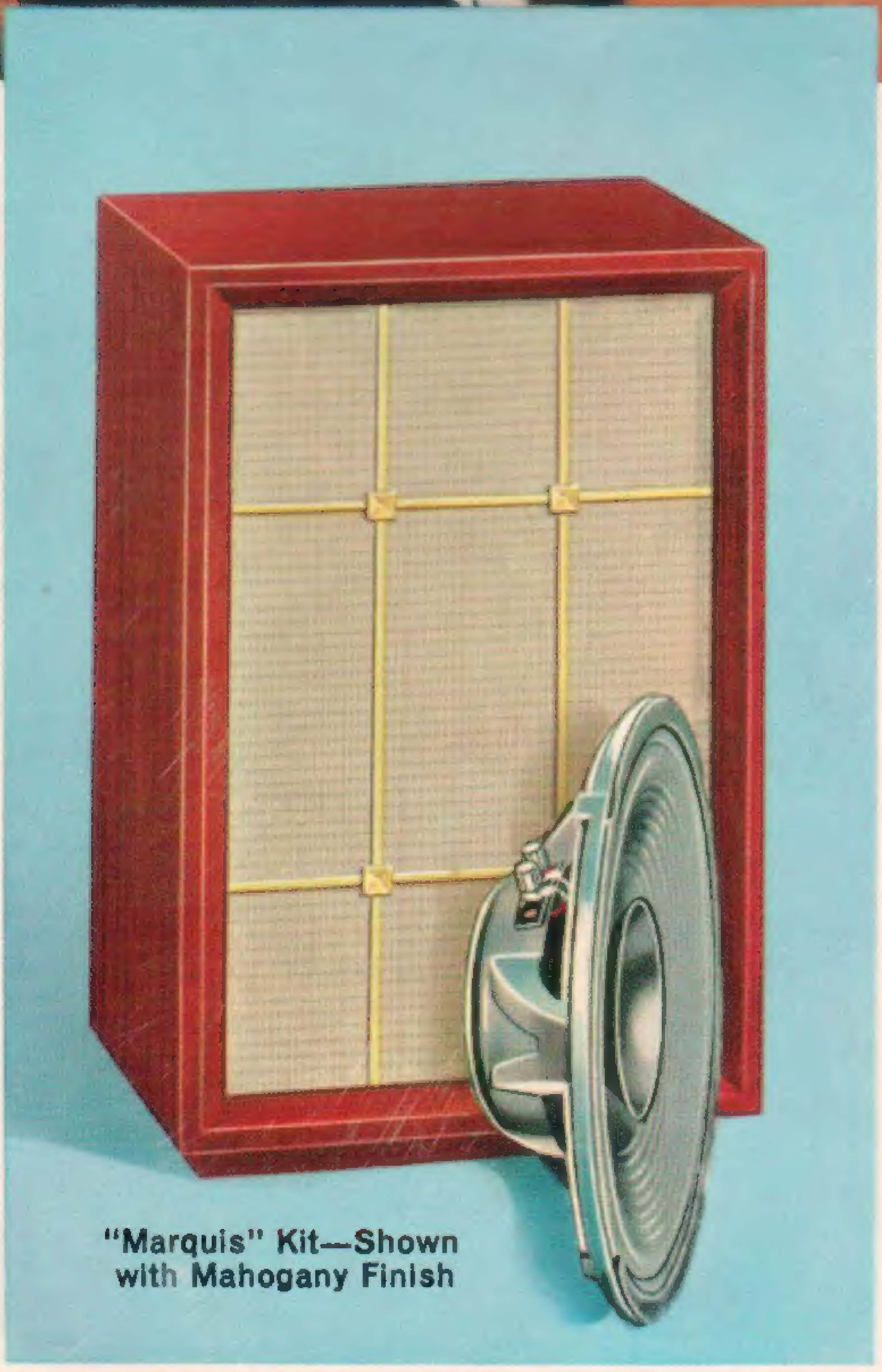
ALLIED RADIO

100 N. WESTERN AVENUE · CHICAGO 80, ILLINOIS · HAymarket 1-68

ALLIED presents outstanding Electro-Voice® popular-priced speakers for fine listening



"Marquis" Kit—Shown with Mahogany Finish

2 "MARQUIS" KITS WITH LS-12 SPEAKERS

. . . PAIR OF SPEAKER SYSTEMS FOR STEREO

ALL 4 UNITS ONLY

$99^95

$5 down

Assemble Your Own—Save 2 Ways

First—you pocket big savings by assembling the enclosures yourself. Second—by purchasing the entire package, you save $8.83 off the cost of the individual components bought separately. A standout value in elegant furniture and quality sound reproduction.

Fine-performing combination for superb stereo high-fidelity at exceptionally low cost. Consists of two LS-12 precision-built 12" speakers and an unfinished "Marquis" enclosure kit for each. Featuring "Radax" construction, rugged die-cast frame and edgewise-wound voice coil, the LS-12 delivers excellent response from 40-13,000 cps. The "Marquis" employs vertical parallel-porting slots for rich, authentic low-frequency response without any need for corner placement. Smooth-sanded for easy finishing. Power capacity, 20 watts. Impedance, 8 ohms. Size, 29⅝ x 19 x 14½". Shpg. wt., 110 lbs.

20 DZ 177-4. ***2 Marquis Kits & 2 LS-12's.*** **NET.......*99.95***

81 DX 799. Optional Metal Grille for Above. EACH......4.70

FACTORY-ASSEMBLED "MARQUIS" WITH LS-12 INSTALLED

Consists of single Marquis enclosure, factory-assembled and finished **in choice of mahogany, limed oak or walnut** with LS-12 speaker installed. Shpg. wt., 55 lbs.

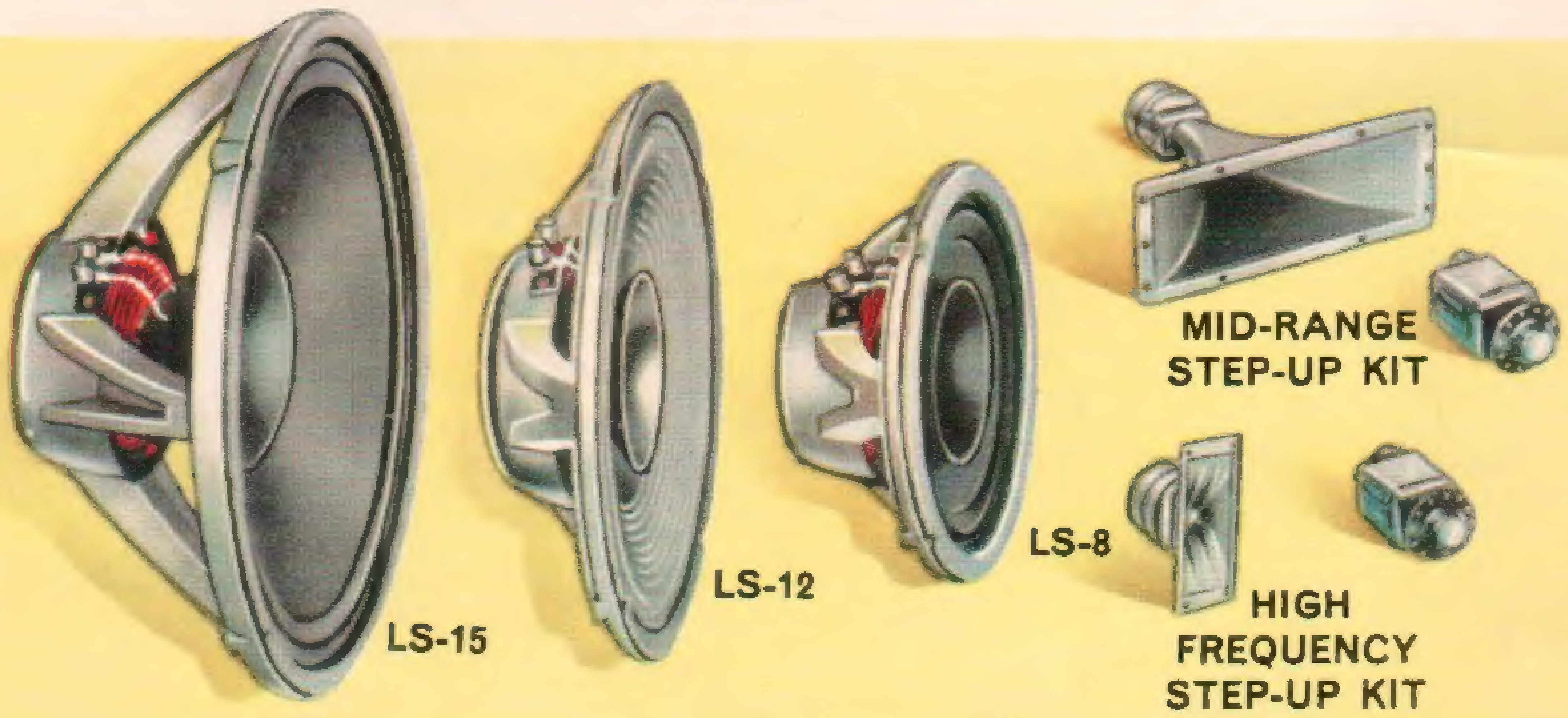
20 SA 178C. *Specify Finish.* **NET.....................*79.95***

WOLVERINE

BUDGET-PRICED HI-FI SPEAKERS

Wolverine speakers and "Step-Up" kits are among the finest values in high-fidelity. For a complete selection and full details on these low-cost units, see the listings on page 68 of this Catalog.

For Other Famous Electro-Voice hi-fi mponents, turn to pages 68-72.



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the world's
largest
electronic
supply house

ALLIED

guarantees your complete satisfaction

OR YOUR MONEY BACK

Every item you buy from us must satisfy you in every way or we want you to return it for exchange, repair or refund...

Our *40th* year
of service

You Get Every Buying Advantage at Allied

We save you time and money because our complete stocks permit you to fill all of your electronic needs conveniently and economically from one source. We guarantee to give you the benefit of any price reduction made after this catalog is printed. You always buy at Allied at the lowest prevailing market prices.

We ship speedily and safely from the world's largest stocks of electronic equipment. Your orders are speeded to you by a highly skilled organization with a record of 40 years of dependable service.

We satisfy you completely with expert personal help, intelligent service and the full resources that have made us the World's Leading Electronic Supply House.

BUY ON ALLIED'S EASY TERMS

as low as $2 down

Everything in this catalog is sold on easy terms. You pay only $2.00 down on orders of $20.00 to $50.00, $5.00 down on orders of $50.00 to $200.00, and $10.00 down on orders over $200.00. Take up to 24 months to pay, if you wish. Open an Easy Pay account. See page 436 for full details.

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ALLIED RADIO CORPORATION

100 N. WESTERN AVENUE, CHICAGO 80, ILL.
Phone: HAymarket 1-6800

ALLIED has the resources

world's largest stocks

Allied brings you the world's largest stocks and widest selection of quality electronic parts and equipment. Over 48,000 separate items are constantly in stock in our warehouses and in our modern plant which covers a full city block. Whether you require equipment for high-fidelity use, industrial application, electronic, radio and television servicing, experimental projects, school training, Amateur radio, public address, and communications—one order to Allied will fill all your needs.

Everything in Electronics
From One Dependable Source

expert personal help

Our greatest satisfaction comes from giving you personal service. You are invited to consult with our technical experts for guidance in your selection of merchandise. Your orders and letters are intelligently handled by people who take a genuine interest in your needs. You get dependable recommendations within the price range you specify. For friendly service and expert help, for guaranteed quality and value, depend on Allied to serve you best.

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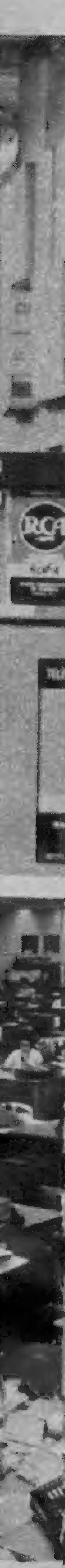
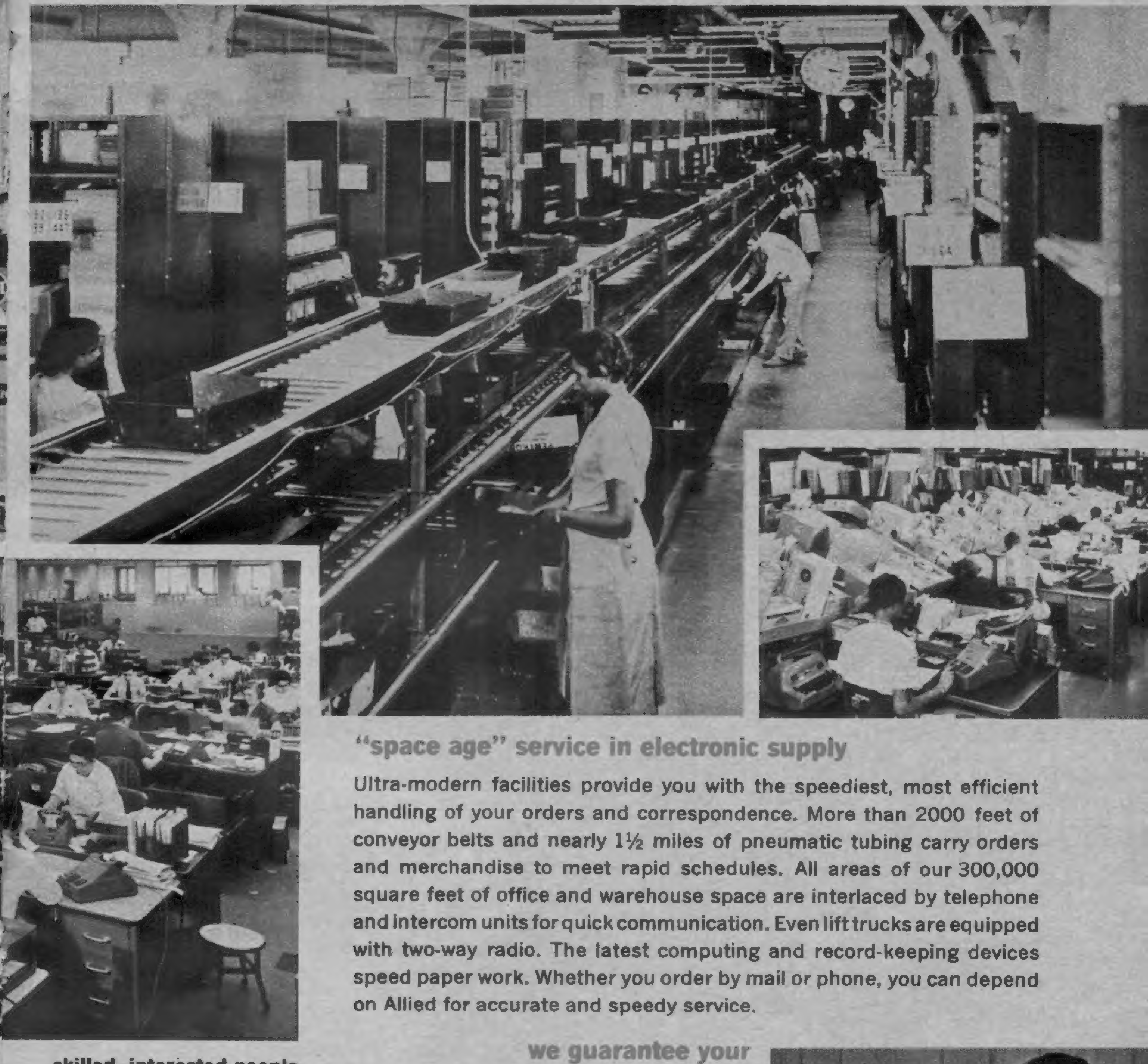
to serve you best

our
40th year

the world's largest
electronic supply house





"space age" service in electronic supply

Ultra-modern facilities provide you with the speediest, most efficient handling of your orders and correspondence. More than 2000 feet of conveyor belts and nearly 1½ miles of pneumatic tubing carry orders and merchandise to meet rapid schedules. All areas of our 300,000 square feet of office and warehouse space are interlaced by telephone and intercom units for quick communication. Even lift trucks are equipped with two-way radio. The latest computing and record-keeping devices speed paper work. Whether you order by mail or phone, you can depend on Allied for accurate and speedy service.

skilled, interested people

Allied's modern resources are backed by a staff of skilled, interested people trained for intelligent handling of your individual requirements. Personal inspection and a final check before your order is carefully packed insure accuracy.

we guarantee your satisfaction in every way

You will like the way we pack and ship your order for safe arrival. You get fastest delivery of quality merchandise at lowest prices. You must be completely satisfied or you may return your purchase for refund, exchange or repair.

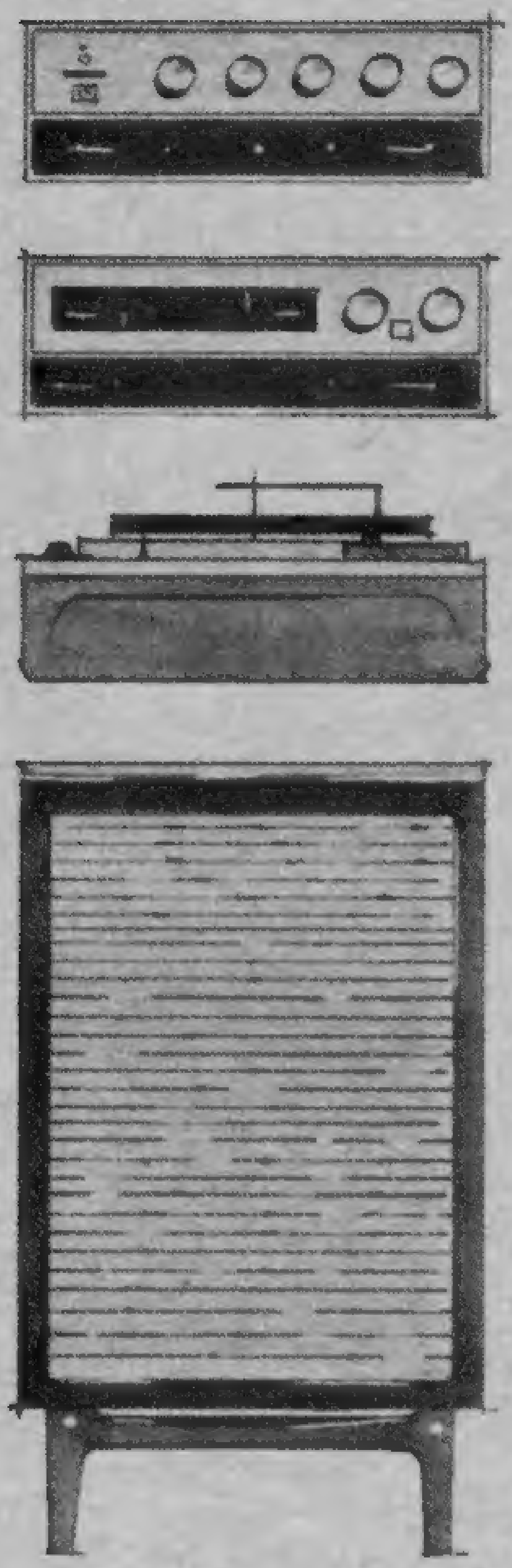
st.

ALLIED brings you

TRUE STEREO HIGH-FIDELITY

in the only way possible—through

TRUE HIGH-FIDELITY COMPONENTS

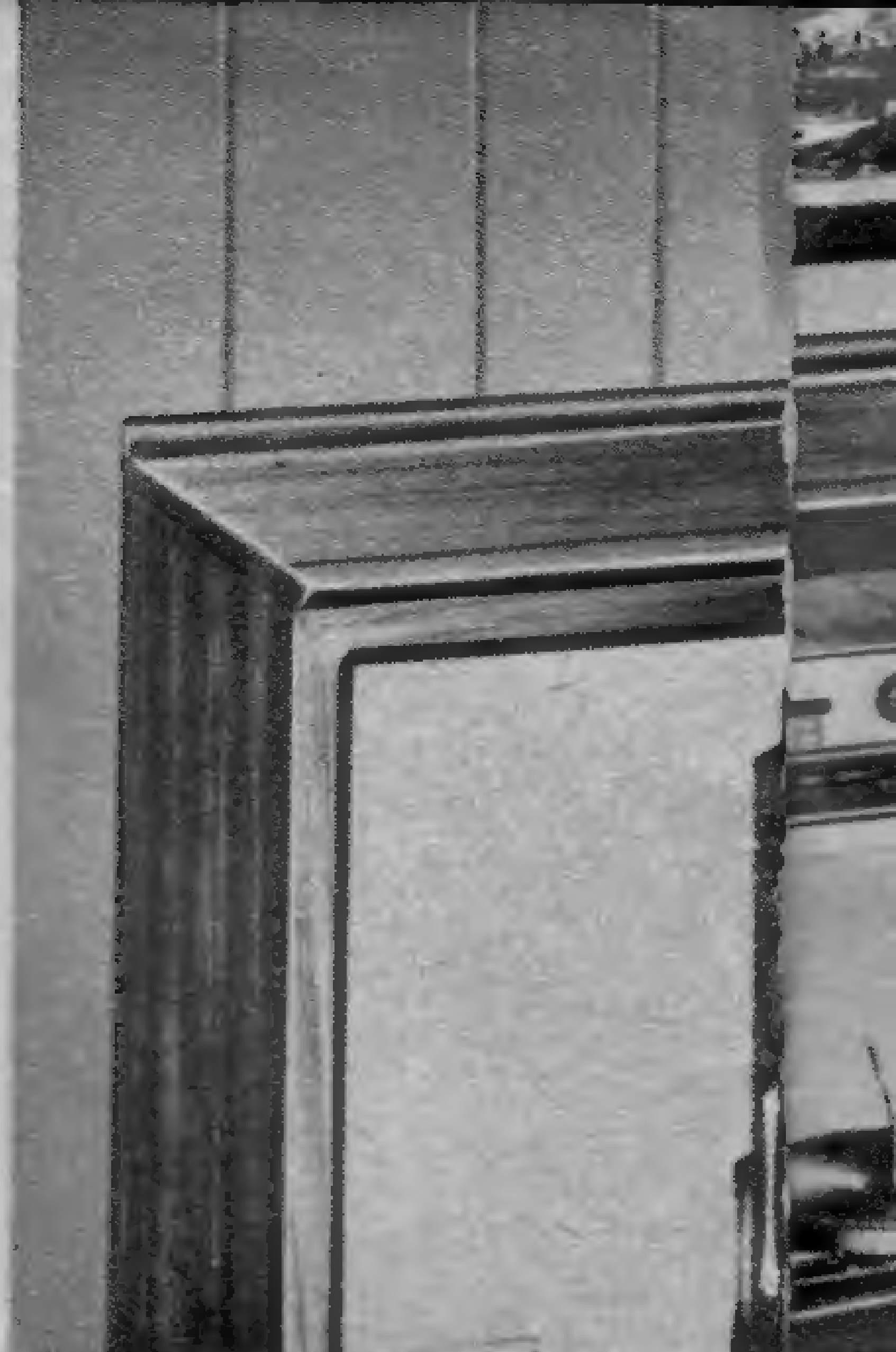


TRUE HIGH-FIDELITY COMPONENTS GIVE YOU THESE GREAT ADVANTAGES:

Better Sound For Your Money. High-fidelity components are designed and built by specialized audio manufacturers, whose primary interest lies in the creation of fine audio reproducing instruments.

Greatest Flexibility. Compact in size, system components can be placed anywhere—and you can add new components at your convenience. Attractively styled for lasting beauty, hi-fi components can be openly displayed in any room, installed in existing furniture or in equipment cabinets. Your component system will never be obsolete.

Acoustically Correct Enclosures. Only genuine hi-fi speaker enclosures are acoustically designed to produce rich, natural bass—and only approved designs are used. These include bass reflex, folded horn, infinite baffle and ducted port types, plus latest high-compliance systems.



THE WORLD'S LARGEST SELECTION OF LOW-COST HI-FI CABINETRY

Fine furniture galore, in styles and finishes to match any decorative scheme—in price ranges to suit any budget. Make it a point to check these superb selections.

*YOU GET THE MOST FOR YOUR HI-FI DOLLAR AT **ALLIED***

best-buy KNIGHT units

Created by Allied and unconditionally guaranteed for one full year, these splendid components are the finest values in hi-fi. Years ahead in styling and new features.

ALLIED is America's Stereo High-Fidelity Center

we sell more hi-fi than anyone else in the world

BECAUSE WE GIVE YOU EVERY BUYING ADVANTAGE:

Lowest, Money-Saving Prices . . . on all hi-fi components; special savings on our matched music systems and on widely acclaimed Knight and Knight-Kit products.

Expert Counseling Service. Our audio specialists are glad to answer any question on high-fidelity. For assistance in choosing a hi-fi music system to fit your taste and budget, write to Allied's Audio Division.

World's Largest Selection . . . of everything in hi-fi, in stock, ready for prompt shipment to you.

15-Day Trial and Money-Back Guarantee

Buy any hi-fi component or system on regular cash terms or Easy Pay Plan. If within 15 days you are not fully satisfied with your purchase for *any reason*, return the equipment to us. *We will refund the full price, less only transportation charges.*

Complete Warranties. All hi-fi components sold by Allied are covered by standard manufacturers' warranties and Allied's own warranty on Knight products. In addition, you are protected by Allied's guarantee of complete satisfaction or your money back.

Buy With Confidence From America's Stereo High-Fidelity Center

Allied has been the leading source of quality music system components since the very beginning of High-Fidelity. Make your selection from the pages that follow and get the finest in stereo hi-fi systems and components—your complete satisfaction is absolutely guaranteed.

ONLY $2 DOWN . . . on purchases from $20 to $50—only $5 down from $50 to $200—$10 down from $200 and up.

Allied Has Expert Servicing Facilities for Everything You Buy

THE EXCLUSIVE

ALLIED SYSTEM PLAN

SAVES YOU MOST . . . GIVES YOU MORE

On the following pages, we present an outstanding selection of Allied Hi-Fi Music Systems. Two types of systems are offered: systems for playing records, and systems which include a tuner for reproduction of musical broadcasts. Components used in systems in each price category are carefully evaluated so that they match in quality and operating characteristics. Their performance as an integrated system is verified by comparative listening tests on our renowned *Auditioner Control Console*—and each system is offered to you at a substantial savings.

A SYSTEM SAVES YOU MOST!

Each of our systems is priced to save you money *over the total price of the same individual components if purchased separately.* The exact amount you save is always stated in our descriptions.

Example:

An Allied hi-fi system, with catalog prices of individual units:

Knight KN-728B 28-Watt Stereo Amplifier	**$79.95**
Garrard 210 Record Changer with Wood Base	**48.99**
Knight KN-500 Cartridge with Diamond Needle	**12.95**
2—Electro-Voice "Leyton" Speaker Systems	**165.62**
TOTAL REGULAR CATALOG PRICE	**$307.51**
ALLIED SYSTEM PRICE	**249.95**
YOU SAVE	**$ 57.56**

HI-FI CABINETRY. The widest selection—in styling and price—that Allied has ever presented! Matching ensembles, low-cost kits, unfinished enclosures, etc.

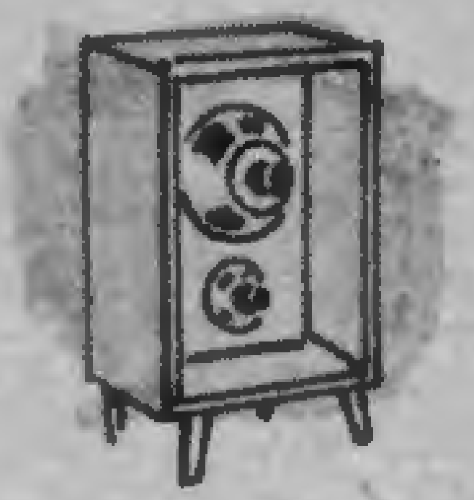
You Get All These Extras—FREE

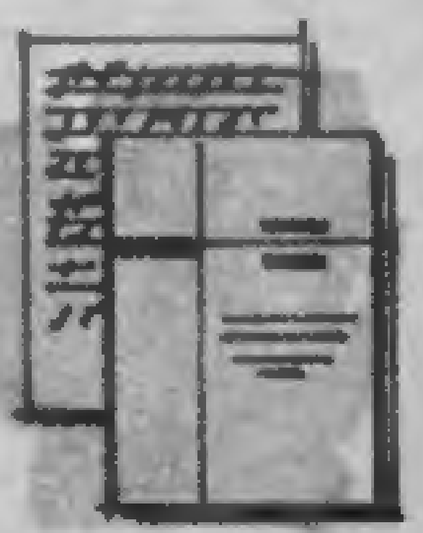
STEREO RECORD
Stereo demonstration record with varied musical selections and dynamic sounds.

CABLES & CONNECTORS
Color-coded—no technical knowledge is required. Simply match colors!

PRE-SET STYLUS PRESSURE
Stylus pressure of turntable or record changer is carefully preset by technicians.

SPEAKERS MOUNTED
Speaker components are installed in enclosures and pre-wired to convenient terminals.





HELPFUL MANUALS
Allied's own clearly written, easy-to-follow instruction booklet, plus all manufacturer's booklets.

HELPFUL BOOKLETS
Walco's informative record and needle care book, plus Allied's Stereo Record and Tape Catalog.

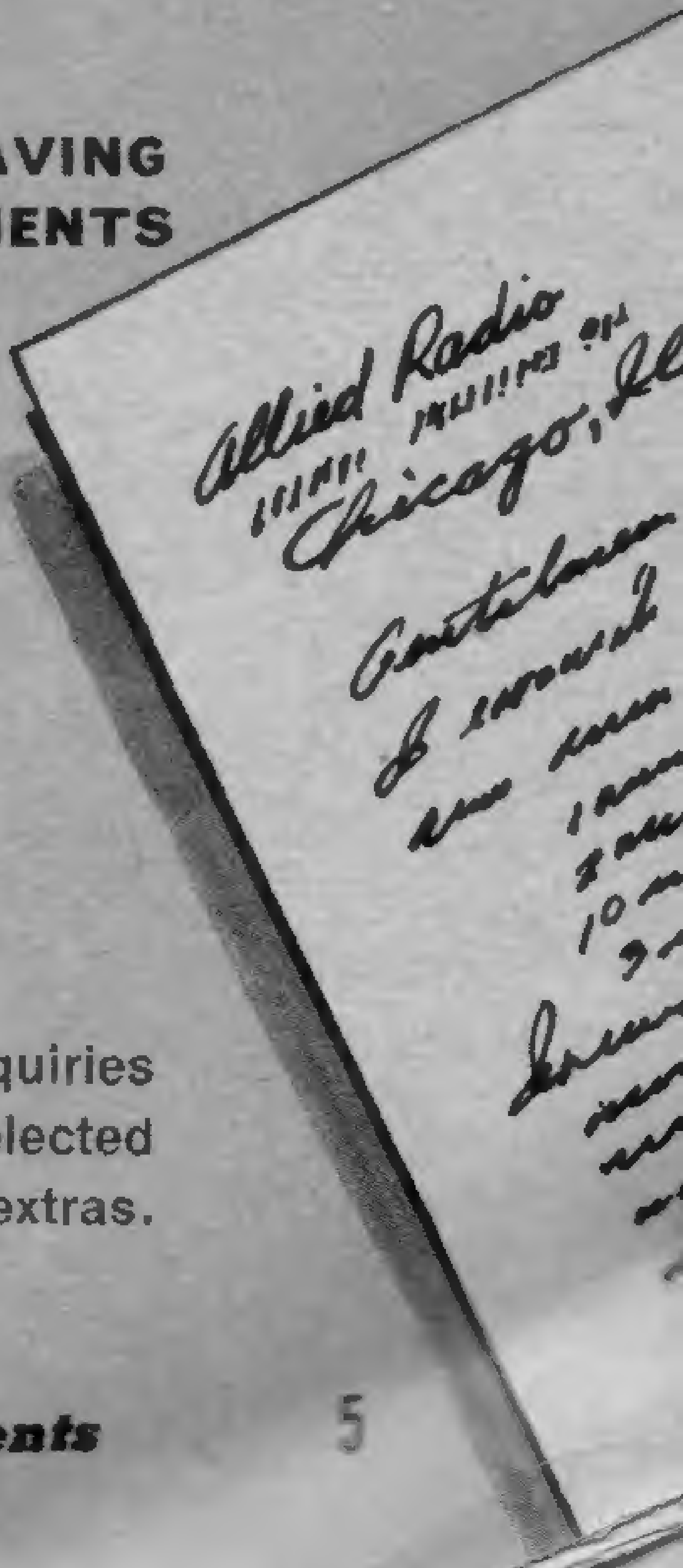
2 EASY WAYS TO SELECT YOUR SYSTEM:

① CHOOSE FROM ALLIED'S LISTINGS OF MATCHED HI-FI SYSTEMS

Select an Allied-recommended music system from among the many excellent systems that are listed on the following pages. Savings are greatest in this listing, and you're almost certain to find a music system that will satisfy your personal taste and budget. Pay particular attention to the new Knight systems—these super-value components are created by Allied to provide unprecedented quality in music reproduction at low cost. And don't overlook the do-it-yourself Knight-Kit systems!

② WRITE US FOR A MONEY-SAVING SYSTEM PRICE ON COMPONENTS OF YOUR OWN CHOICE

Study the pages where individual hi-fi components are described—make a list of the units you prefer—then send a letter to our Audio Division asking for a special System Plan price quotation. Our audio consultants will review every customer-selected system for proper matching of components (speakers correctly matched to enclosures, etc.), to assure you of peak performance. All inquiries are promptly answered—all customer-selected systems include Allied's FREE system extras.



Allied Radio
Chicago, Ill
Gentlemen
I would

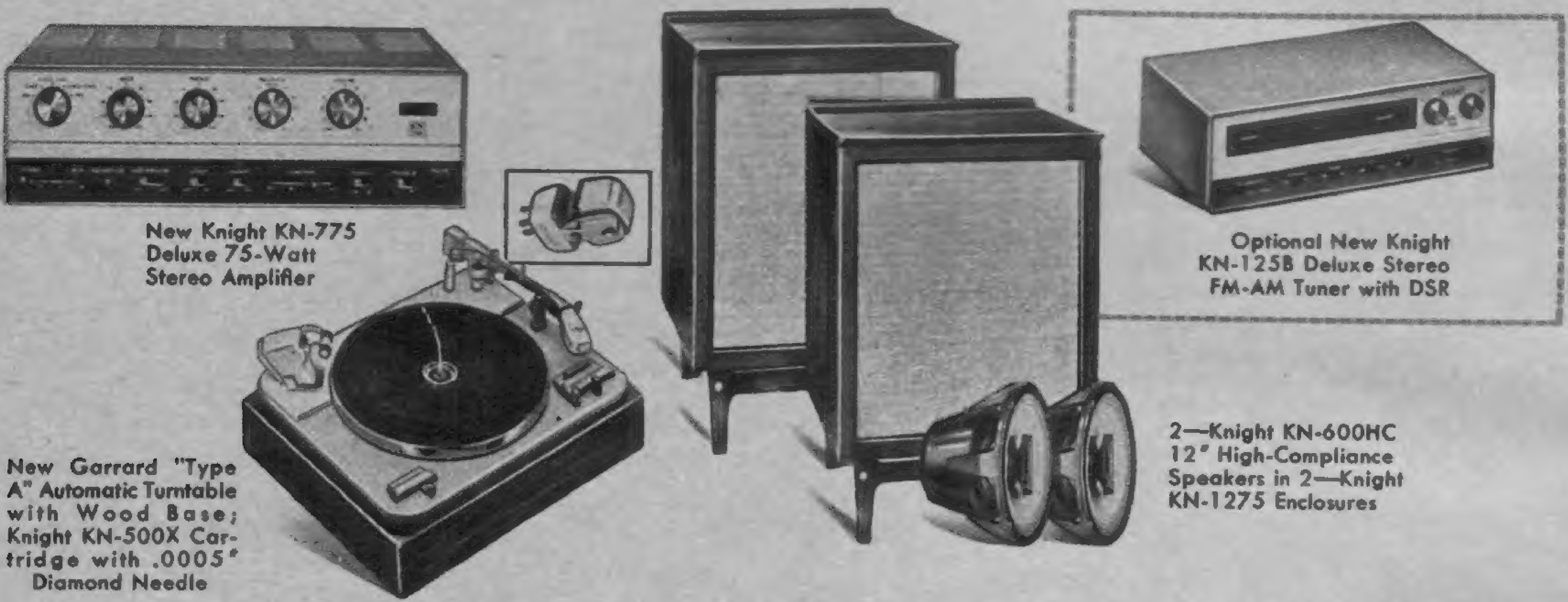
KNIGHT

UNEXCELLED FOR VALUE

STEREO HIGH-FIDELITY SYSTEMS

enjoy the best in superb musical reproduction from deluxe Knight components that cost you less

Allied's famous System Plan—plus the unrivaled value of Allied's own Knight components—combine to bring you giant double savings! Whether you choose from Allied's carefully selected, matched-component music ensembles, or make up your own combination—you'll get the finest for less with Knight. These outstanding high-fidelity components are specifically designed to give you the most for your money, and are unconditionally guaranteed for one full year. See introductory pages at the beginning of this section for complete information on how you can save the most on the system of your choice.



New Knight KN-775 Deluxe 75-Watt Stereo Amplifier

Optional New Knight KN-125B Deluxe Stereo FM-AM Tuner with DSR

New Garrard "Type A" Automatic Turntable with Wood Base; Knight KN-500X Cartridge with .0005" Diamond Needle

2—Knight KN-600HC 12" High-Compliance Speakers in 2—Knight KN-1275 Enclosures

Allied's Finest—Deluxe, Super-Power 75-Watt Stereo Systems

AS LOW AS

$449.50

$10 down

SAVE UP TO $95.79

- Most Powerful Knight Amplifier Ever Made; Full Array of Controls and Inputs; Military-Type Terminal Board Construction.
- British-Made, Garrard "Automatic Turntable," a New Type of Changer That Features Turntable Precision; Professional Knight Cartridge is Installed in Its Arm.
- Two Knight 12" High-Compliance Polyfoam Cone Speakers, Installed in Two Danish Modern, Bass-Reflex Speaker Enclosures.

ONLY $10 DOWN. You don't need the ready cash to start enjoying any of the magnificent Knight systems shown on these two pages. Use our convenient, liberal Easy Pay Plan—take up to 24 months to pay, if you wish.

you save on cost of components . . . and they compare to the best!
you get extra System Plan savings by purchasing a complete system!

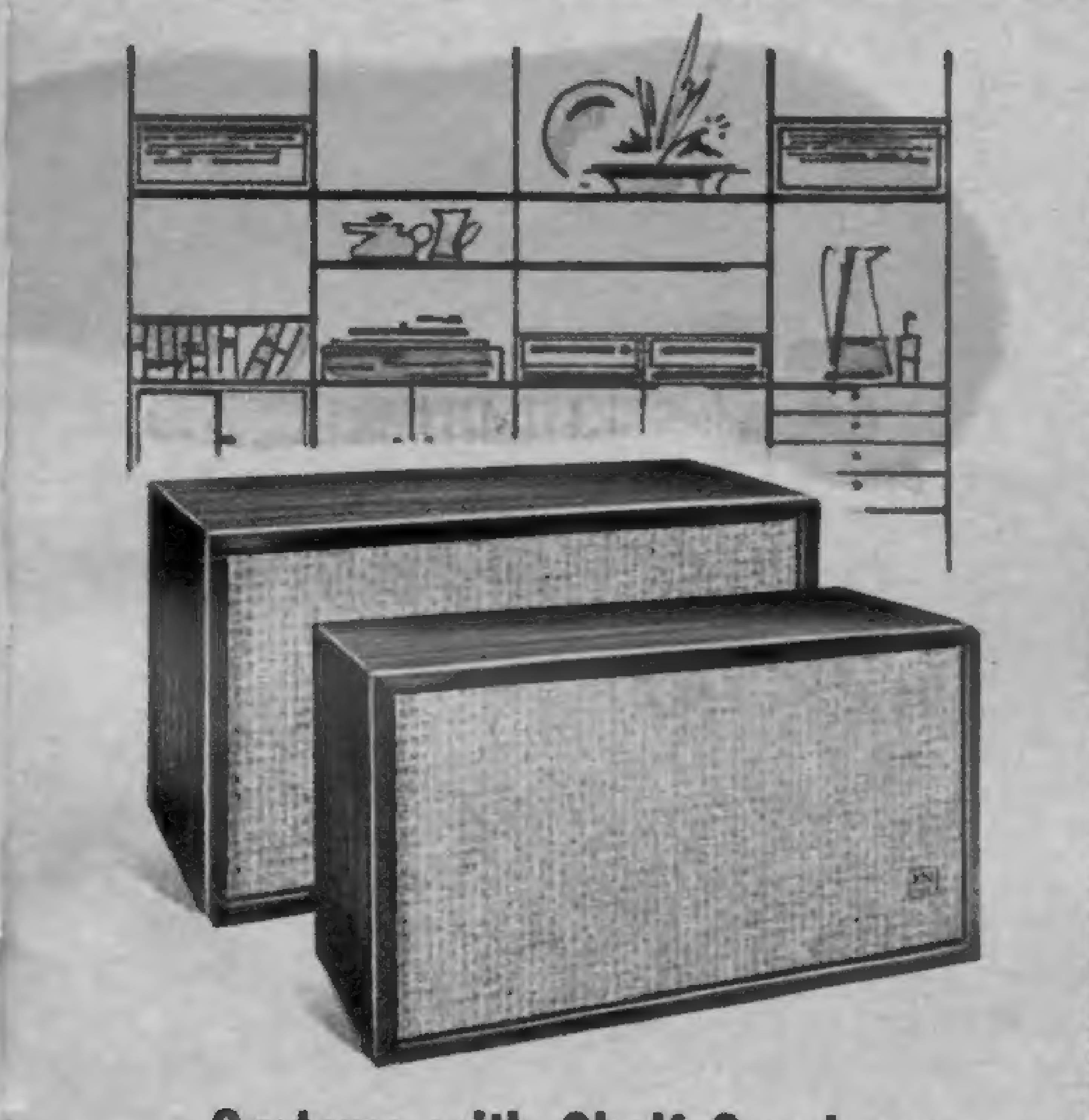
PHONO SYSTEM. Save $80.84 on total cost of components purchased separately. Composed mainly of our finest Knight units (and the new Garrard changer which matches them in quality), this deluxe system is designed especially for those who make a habit of owning only the best. It can reproduce sound, either stereophonic or monophonic, with a fidelity that would delight a professional musician. Its tremendous power reserve and specifications would please even an audio engineer. It provides the unique flexibility of arrangement that only a component system offers; and its individual units are handsomely styled for enduring beauty. Briefly, it is our best foot forward, designed to please the most demanding of music lovers.

System includes: new Knight KN-775 Deluxe 75-Watt Stereo Amplifier; new Garrard "Type A" Record Changer with Wood Base; Knight KN-500X Professional Stereo Cartridge with .0005" Diamond Needle; two Knight KN-600HC 12" High-Compliance Speakers installed in two Knight KN-1275 Bass Reflex Enclosures; and all System Extras. The KN-775 amplifier handles any acoustic demands made upon it with ease. Garrard's new "Type A" changer features the precision construction of studio turntables, with automatic record-changing convenience. Changer base and speaker enclosures in mahogany, limed oak or walnut. Shpg. wt., 257 lbs.
20 HF 576. *Specify Finishes.* **NET**.......................... **449.50**

FM-AM-PHONO SYSTEM. Save $95.79. As above, but with new Knight KN-125B Deluxe Stereo FM-AM Tuner. Shpg. wt., 278 lbs. *$10 Down.*
20 HF 577. *Specify Finishes.* **NET**.......................... **574.50**

Enjoy Tonal Superiority, More Power and Control Versatility—at Lowest Cost

Beautiful Knight equipment cabinets and speaker enclosures in exhilarating new modes, are available. See hi-fi furniture elsewhere in this section.



Systems with Shelf Speakers

AS LOW AS

$429.60

$10 down

PHONO SYSTEM. Save $80.84. Includes all of the premium-quality components of the Phono System described on the preceding page, but with **two Knight KN-3000A 3-Way High-Compliance Speaker Systems,** in place of the KN-600HC speakers and KN-1275 enclosures. These precision-built units, incorporating high-compliance 12" woofer and twin, patented Arthur Janszen electrostatic radiators, are shelf-size and beautifully finished on four sides. **In mahogany, limed oak or walnut.** Shpg. wt., 157 lbs.

20 HF 578. *Specify Finishes.* **NET**.....**429.60**

FM-AM-PHONO SYSTEM. Save $95.79. As above, but includes **new Knight KN-125B Deluxe Stereo FM-AM Tuner.** Shpg. wt., 178 lbs.

20 HF 579. *Specify Finishes.* **NET**.....**554.60**

Matching Danish Modern Equipment Cabinet

AS LOW AS

$84.50

$10 down

KNIGHT MODEL KN-1500. A craftsman-created equipment cabinet designed to house the stereo system components on the opposite page. Beautifully styled, it's a perfect match to the speaker enclosures—and when used with them, forms a furniture grouping that is unusually attractive. Fine cabinet touches: precision-fitted doors with special hinges to permit full opening—fit flush against front of KN-1275 enclosures. Compartments: top, 8x34½x16⅛"; left, 16x15¼x16⅛"; right, 16x15¼x16⅛". Overall, 33x36x20¼". **In mahogany, limed oak or walnut.** 80 lbs.

35 DZ 715C. *Specify Finish.* **NET**....................**94.50**

MODEL KN-1500K. Same as above, but in low-cost kit form. Assembles in one evening using only a screwdriver.

35 DZ 716C. *Specify Finish.* **NET**....................**84.50**

KNIGHT Supreme Value Stereo Systems

ENJOY THESE OUTSTANDING BUYING ADVANTAGES

MATCHING LOW-COST EQUIPMENT CABINETS

Equipment cabinets styled to perfectly match the speaker enclosures used in Knight systems are available at low cost. See the equipment cabinet listings on facing page and elsewhere in this catalog for a wide selection of furniture ensembles of unsurpassed beauty.

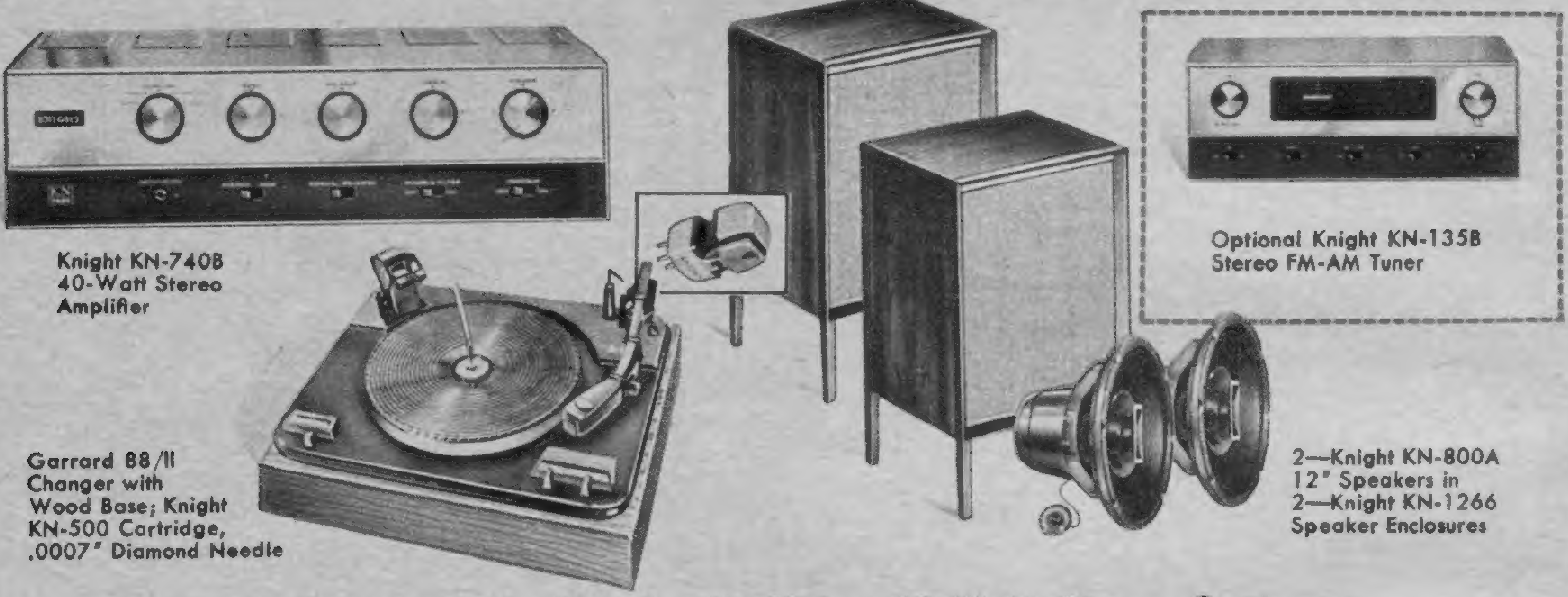
MOST LIBERAL TERMS FOR BUDGET BUYING

You don't need ready cash to own the music system of your choice. With just a small down payment, you can begin enjoying thrilling stereo reproduction whenever you choose. And you can pay on regular or extended terms. See back of Catalog for full information.

ALL KNIGHT COMPONENTS GUARANTEED FOR 1 YEAR

You get the finest for less with Knight. These superb components are designed to give you the most for your hi-fi dollar. Whether you choose deluxe, moderately priced or economy Knight units, the same unconditional one-year guarantee applies to each.

YOU GET TRULY INCOMPARABLE VALUE IN KNIGHT STEREO SYSTEMS



Knight KN-740B 40-Watt Stereo Amplifier

Optional Knight KN-135B Stereo FM-AM Tuner

Garrard 88/II Changer with Wood Base; Knight KN-500 Cartridge, .0007″ Diamond Needle

2—Knight KN-800A 12″ Speakers in 2—Knight KN-1266 Speaker Enclosures

Moderately-Priced, Splendid-Value 40-Watt Stereo Systems

PERFECTLY BALANCED FOR EXCITING, FULL-DEPTH STEREO SOUND . . . MORE FOR YOUR MONEY IN POWER, BEAUTY, STIRRING PERFORMANCE

AS LOW AS

$312.00

$10 down

SAVE UP TO $60.19

- Amplifier Provides Full 40-Watt Output at Low Distortion; Has 10 Important Controls, All Necessary Inputs and Luxury Styling.
- Smooth-Running, British-Made 4-Speed Record Changer with New Aluminum Pickup Arm, New 4-Pole Motor.
- Deluxe Knight Magnetic Cartridge, with .0007″ Diamond Needle for Flawless Tracking of Record Grooves and Dazzling Fidelity.
- World-Famous KN-800A 3-Way, 12″ Speakers in the Beautifully Styled KN-1266 Enclosures for Superb Sound.

As Little As $10 Down. **That's all you need for any of the outstanding stereo music systems on these pages. Take advantage of Allied's Easiest Pay Plan.**

PHONO SYSTEM. Solid, system plan savings of $54.69 on this terrific system! Capable of reproducing music as you've never heard it before, it gives you fabulous sound, with complete, highly versatile control facilities. You get 40 watts of rated stereo power—more than enough to virtually fill your home with music, under any acoustic conditions. The slender, gracefully styled speaker enclosures not only fit in with any decorative scheme, but if you desire, they can be matched with the optional KN-1401 equipment cabinet described on the following page.

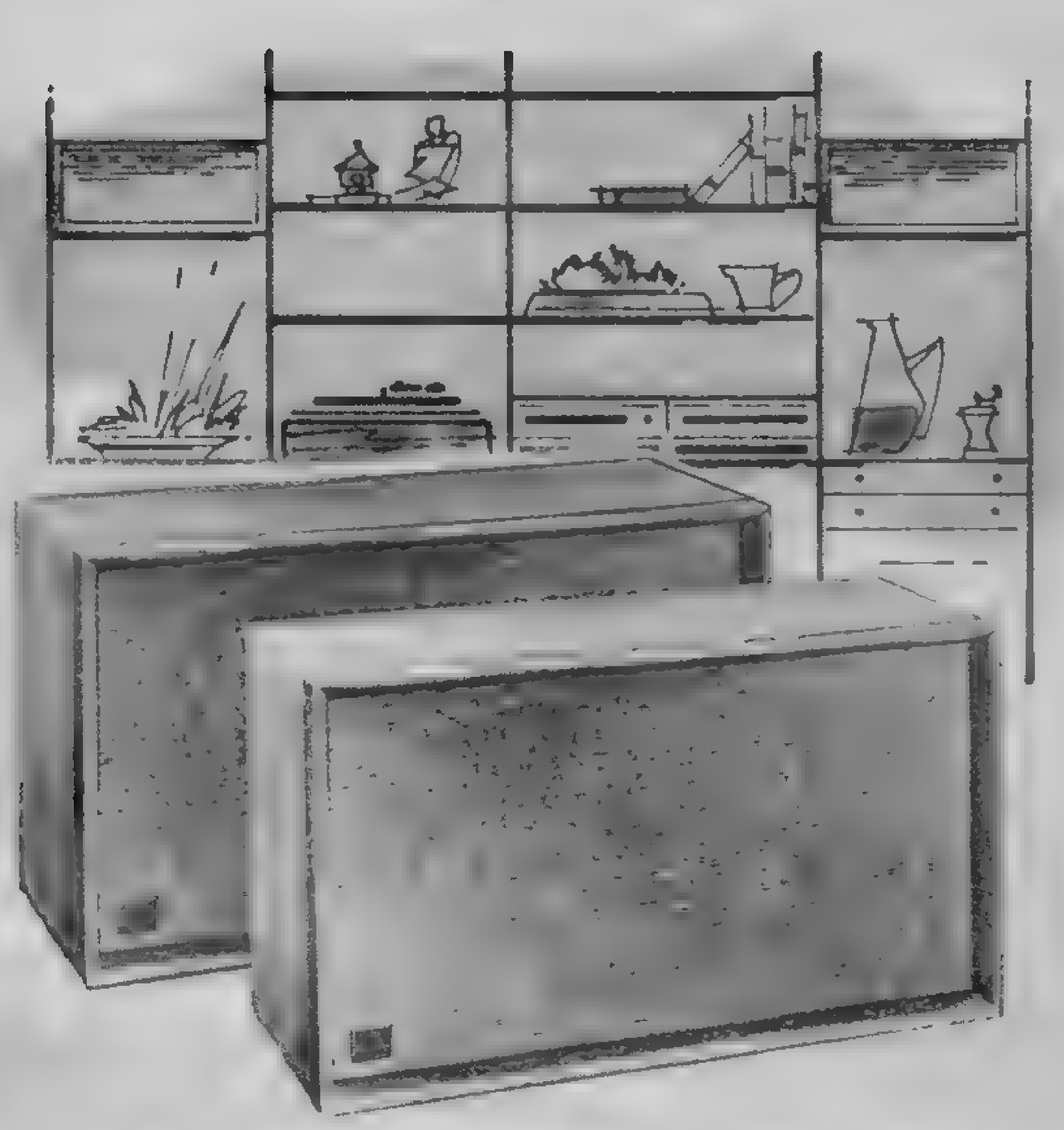
System includes: **Knight KN-740B 40-Watt Stereo Amplifier with Case; Garrard 88/II Record Changer with Wood Base; Deluxe Knight KN-500 Stereo Magnetic Cartridge with .0007″ Diamond Needle; two Knight KN-800A 3-Way, 12″ Speakers, installed in two Knight KN-1266 Bass-Reflex Speaker Enclosures; and all Allied System Plan Extras.**

The KN-740B amplifier features a stereo separation control that lets you range from monophonic to panoramic stereo sound. Gentle record changing and silk-smooth operation are provided by the Garrard changer—together with the KN-500 cartridge, it offers superb performance. The KN-800A speakers, in the furniture veneered enclosures, provide truly mellow sound across the entire audio range. **Changer base and speaker enclosures in mahogany, limed oak or walnut.** Shpg. wt., 151 lbs. *$10 Down.*

20 HF 580. *Specify Finishes.* **NET**............................312.00

FM-AM-PHONO SYSTEM. Save $60.19. Includes all components above, **plus the Knight KN-135B Stereo FM-AM Tuner.** Shpg. wt., 164 lbs. *$10 Down.*

20 HF 581. *Specify Finishes.* **NET**............................391.00

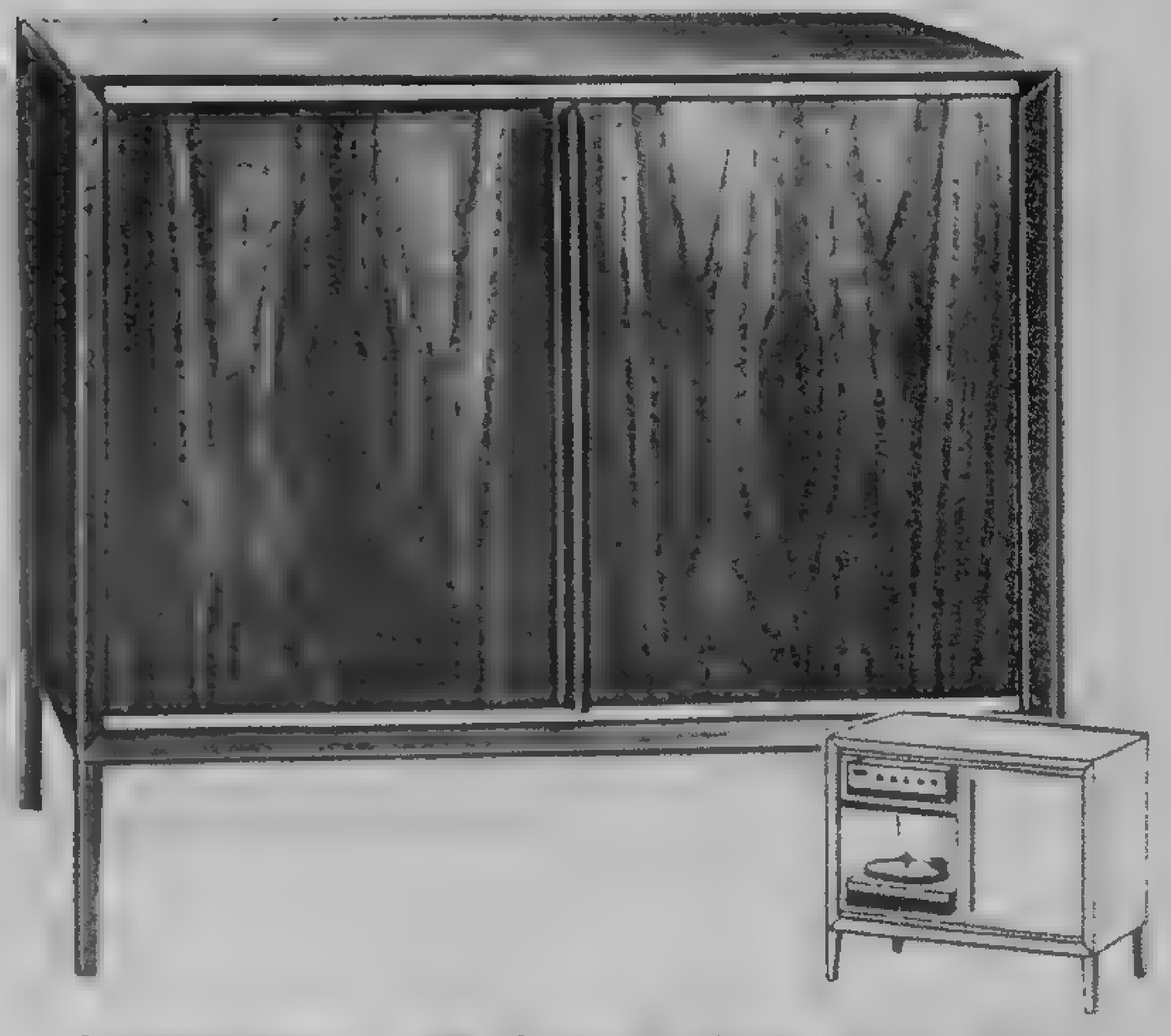


40-Watt Stereo System with Shelf Speakers

AS LOW AS **$309.95** **$10 down**

PHONO SYSTEM. Includes all of the components of the Phono System described on the previous page, but **with two Knight KN-2000A High-Compliance Shelf Speaker Systems,** in place of the KN-800A speakers and KN-1266 enclosures. System Plan savings are a substantial $35.94! The compact, 3-way KN-2000A speaker systems are an improved version of the KN-2000—the speaker system that won thousands of fans with its remarkably clean sound. Employs high-compliance 12″ woofer with long-throw voice coil for amazing bass, 8″ wide-range speaker, and compression-type tweeter with exponential horn for wide-angle dispersion of highs. **Changer base and speaker systems in mahogany, limed oak or walnut.** Shpg. wt., 147 lbs. *$10 Down.*
20 HF 582. *Specify Finishes.* **NET**..........309.95

FM-AM-PHONO SYSTEM. System savings of $41.44! Includes all components of system above, plus **Knight KN-135B Stereo FM-AM Tuner.** Wt. 160 lbs. *$10 Down.*
20 HF 583. *Specify Finishes.* **NET**............388.95



Handsome, Low-Cost Knight KN-1401 Matching Equipment Cabinet

AS LOW AS **$59.95** **$5 down**

Beautifully finished by professional craftsmen, the Knight KN-1401 Equipment Cabinet accommodates all components of the stereo systems described on these two pages, except the speaker systems. Tastefully styled to match the KN-1266 speaker enclosures, it forms an unusually attractive ensemble, suitable for any decor, when it is used with them. Has plenty of room for record storage too! Fine furniture touches include: smartly styled brass door handles; magnetic door latches; stylish tapered legs tipped with brass ferrules; ventilated rear panel; etc. Compartment sizes: top left, 8¾x16¼x16¼″; top right, 8¾x18x16¼″; bottom left, 12¾x16¼x16¼″; bottom right, 12¾x18¼x16¼″. Overall size, 30½x36x17¾″. **In mahogany, limed oak or oiled walnut.** Shpg. wt., 65 lbs.
35 DU 743C. *Specify Finish.* **NET**............69.95

MODEL KN-1401K. As above, but in low-cost kit form.
35 DU 744C. *Specify Finish.* **NET**..............59.95

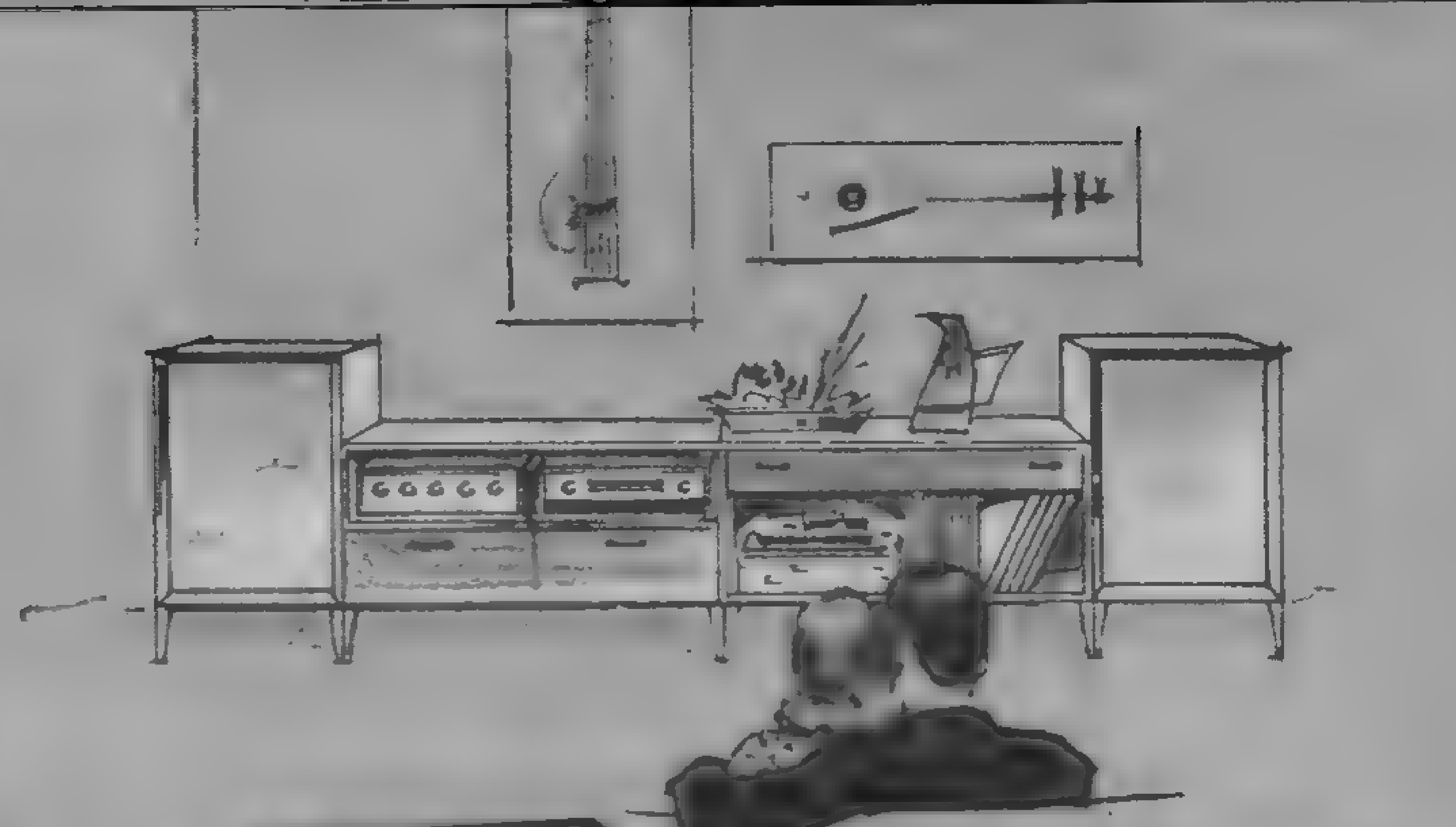
Make it a point to read the detailed descriptions of super-value Knight high-fidelity components and cabinets featured in these music systems; you'll find them further on in this section.

KNIGHT

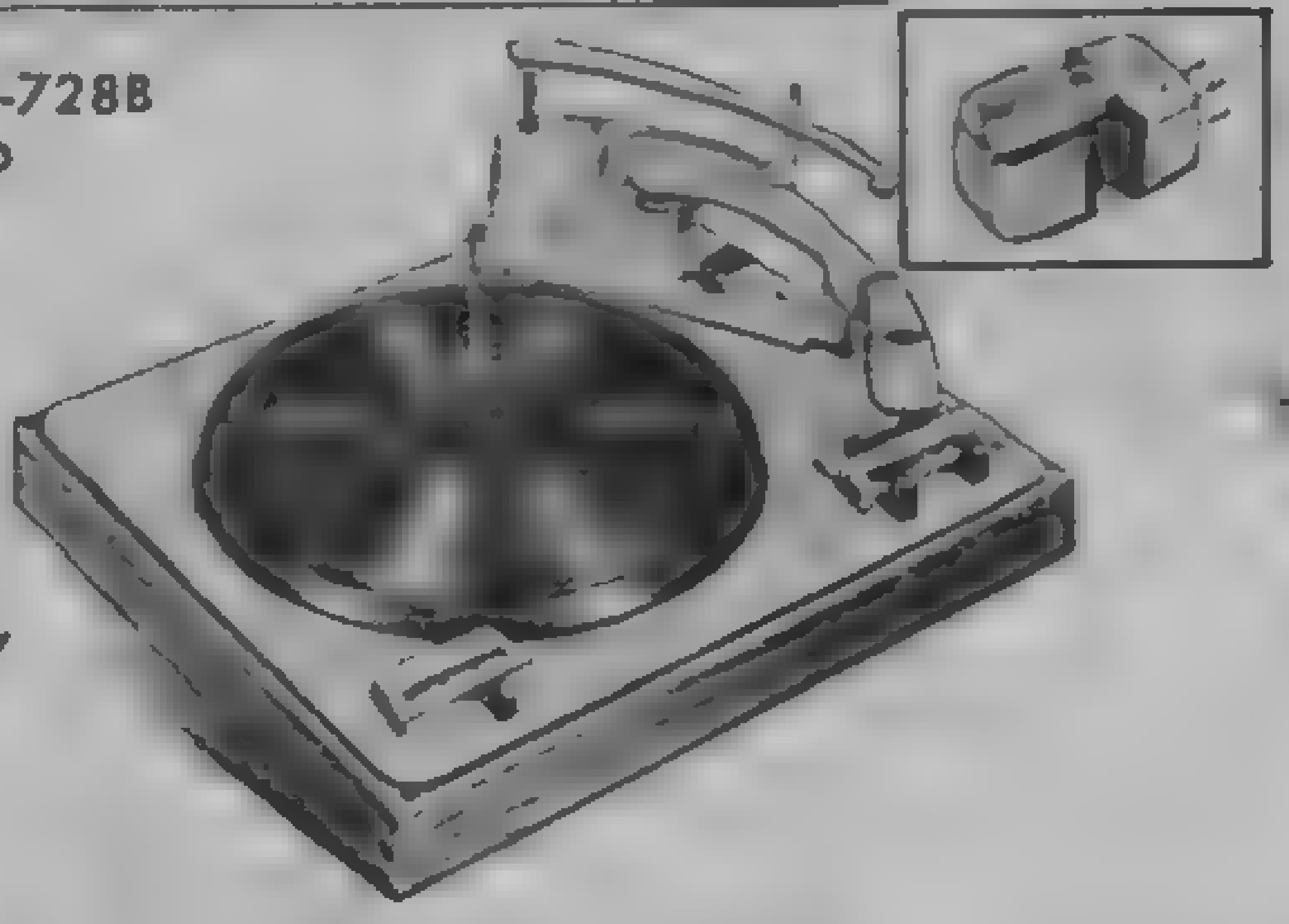
Low-Cost Stereo Systems

FOR FLEXIBLE INSTALLATION

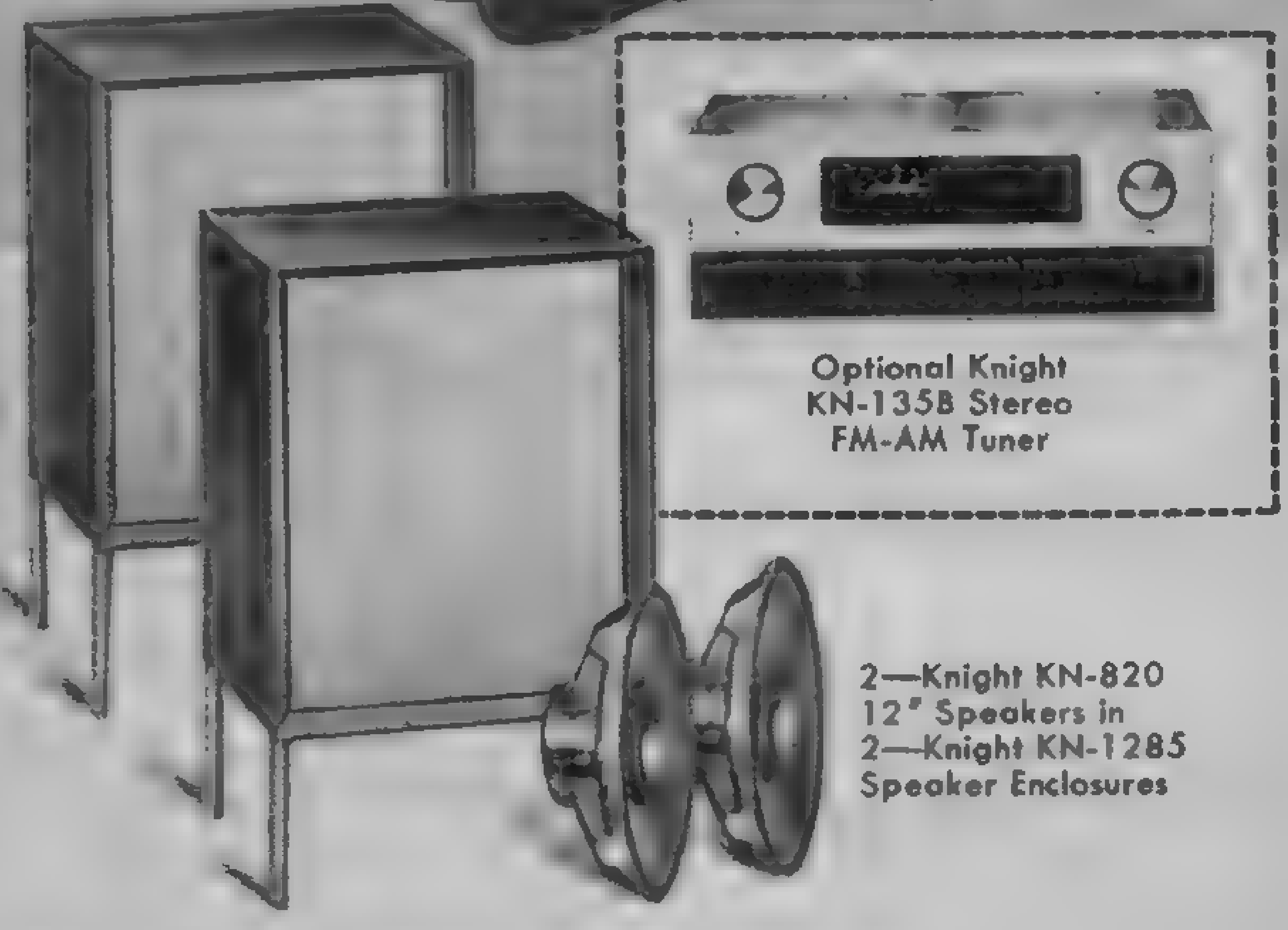
Component hi-fi music systems excel in flexibility of arrangement—and are ideally suited to installation in new modular furniture shelves and dividers, end tables, slab benches, etc.



New Knight KN-728B
28-Watt Stereo
Amplifier



Garrard 210 Record
Changer with Wood
Base; Knight KN-500
Cartridge with .0007"
Diamond Needle



Optional Knight
KN-135B Stereo
FM-AM Tuner

2—Knight KN-820
12" Speakers in
2—Knight KN-1285
Speaker Enclosures

New 28-Watt Stereo Systems at Truly Impressive Savings

BRILLIANT PERFORMANCE WITH VALUE THAT ONLY ALLIED CAN DELIVER

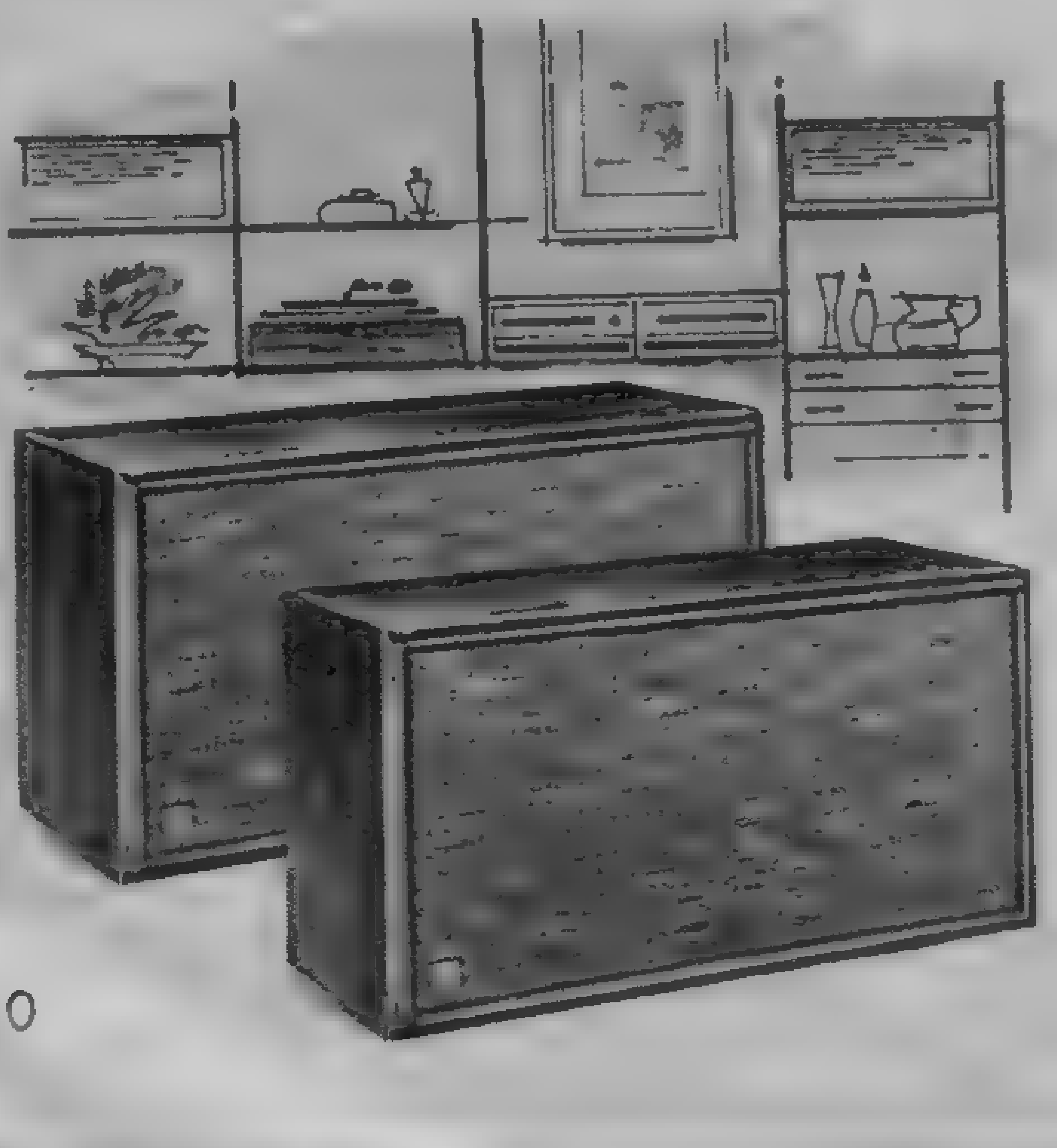
AS LOW AS
$219.95
$10 down

SAVE UP TO $42.69

- **Improved Version of a Best-Selling 28-Watt Stereo Amplifier—New Styling, Better Hi-Fi Performance**
- **Popular, British-Made 4-Speed Record Changer; Quiet Operation, Gentle Record Handling**
- **Deluxe Knight Magnetic Cartridge with .0007" Diamond Needle; Easily One of the Finest Available**
- **Speakers Feature Dual-Cone Construction for Full, Smooth Bass; Fine Furniture Enclosures**

PHONO SYSTEM. System savings of $25.74 on this excellent array of performance-proven components. Designed to provide you with the splendor of stereo sound at lowest possible cost, the KN-728B amplifier gives you full 28-watt power output, single-knob balance control, tape head input, loudness contour switch, and other controls for regulating acoustic effect with ease. System includes: **new Knight KN-728B 28-Watt Stereo Amplifier: Garrard 210 Record Changer with Wood Base; deluxe Knight KN-500 Magnetic Stereo Cartridge with .0007" Diamond Needle; two Knight KN-820 12" Speakers, installed in two Knight KN-1285 Floor-Type Bass Reflex Enclosures; and all System Extras.** Each of the components in this matched system has a convincing record of outstanding hi-fi performance and value—together, they form a music ensemble of unquestioned merit. **Changer base and enclosures in mahogany, blonde or walnut.** Shpg. wt., 117 lbs. *$10 Down.*
20 HF 584. *Specify Finishes.* **NET**.............................. **219.95**

FM-AM-PHONO SYSTEM. As above, but with **Knight KN-135B Stereo FM-AM Tuner.** Shpg. wt., 130 lbs. System savings of **$42.69**. *$10 Down.*
20 HF 585. *Specify Finishes.* **NET**.............................. **287.50**



28-Watt Systems with Shelf Speakers

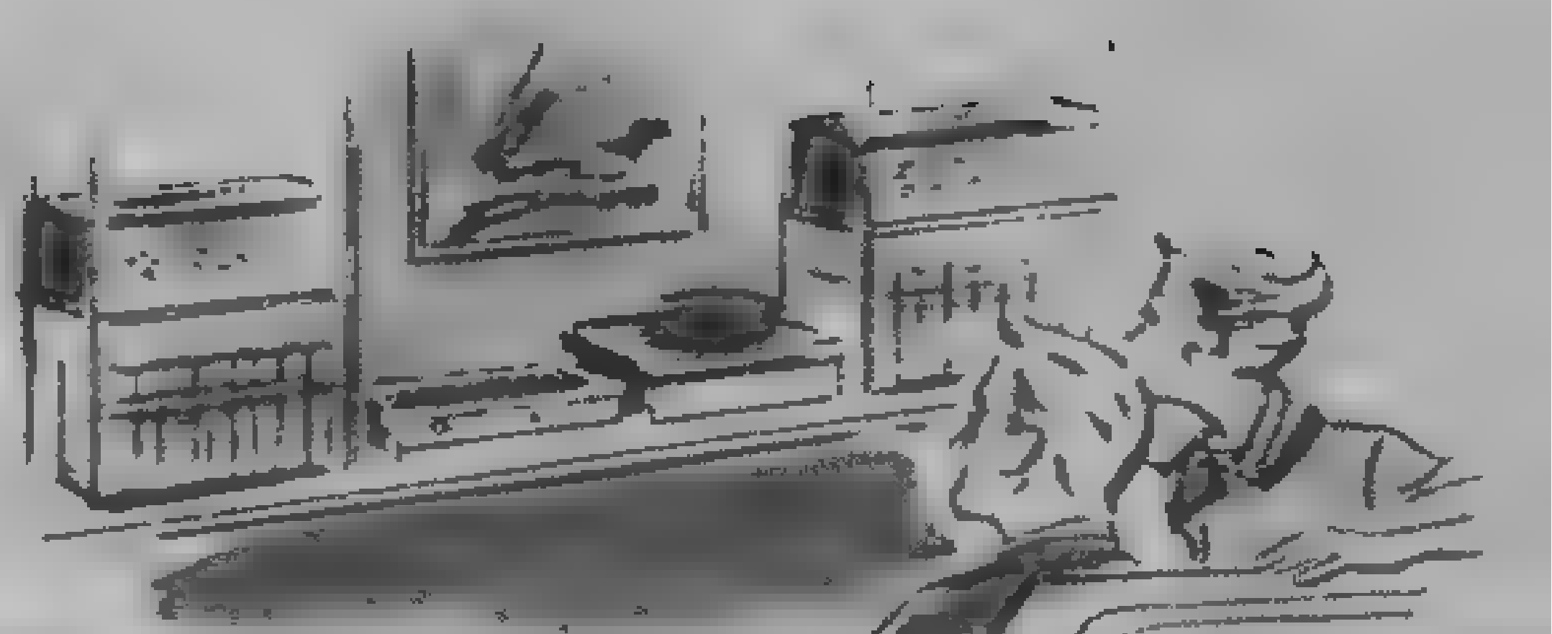
PHONO SYSTEM. System savings of $25.74. Includes all of the components of the Phono System described above, but **with two Knight KN-280 High-Compliance, 2-Way Shelf Speaker Systems,** in place of the KN-820 speakers and KN-1285 enclosures. Compact in size, these marvelous speaker systems give you *big* sound—deep bass from a high-compliance 8" woofer with flexible-fold suspension; vivid mid-range, enhanced by tuned duct; and crystal-clear highs from a 3½" tweeter. Finished on four sides, they can be used in upright or horizontal position—lend themselves beautifully to any furniture arrangement. **Changer base and enclosures in mahogany, limed oak or walnut.** Shpg. wt., 95 lbs. *$10 Down.*
20 HF 586. *Specify Finishes.* **NET**............... **216.05**

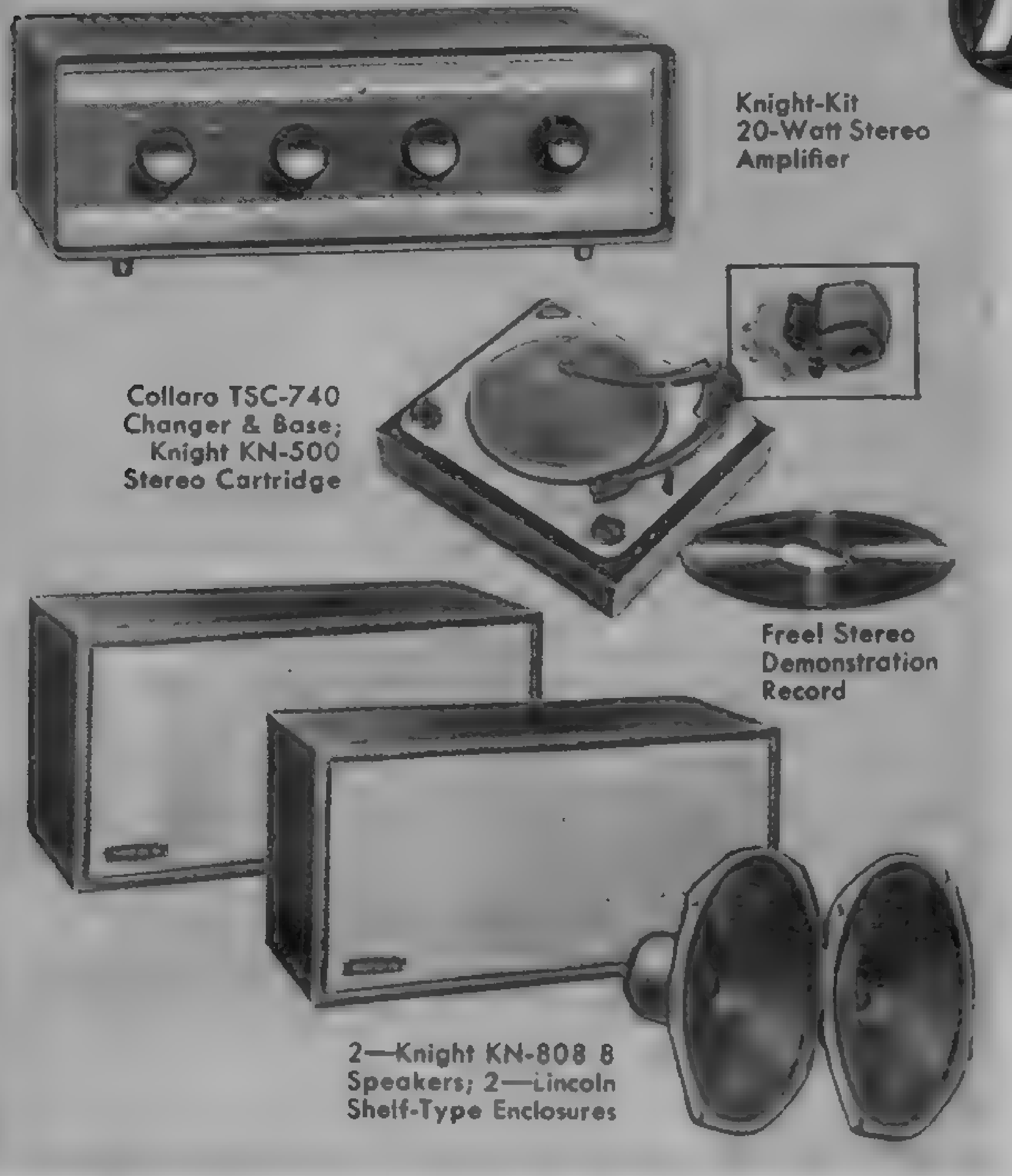
FM-AM-PHONO SYSTEM. Save $42.69. As above, but with **Knight KN-135B Stereo FM-AM Tuner.** Shpg. wt., 108 lbs.
20 HF 587. *Specify Finishes.* **NET**............. **283.60**

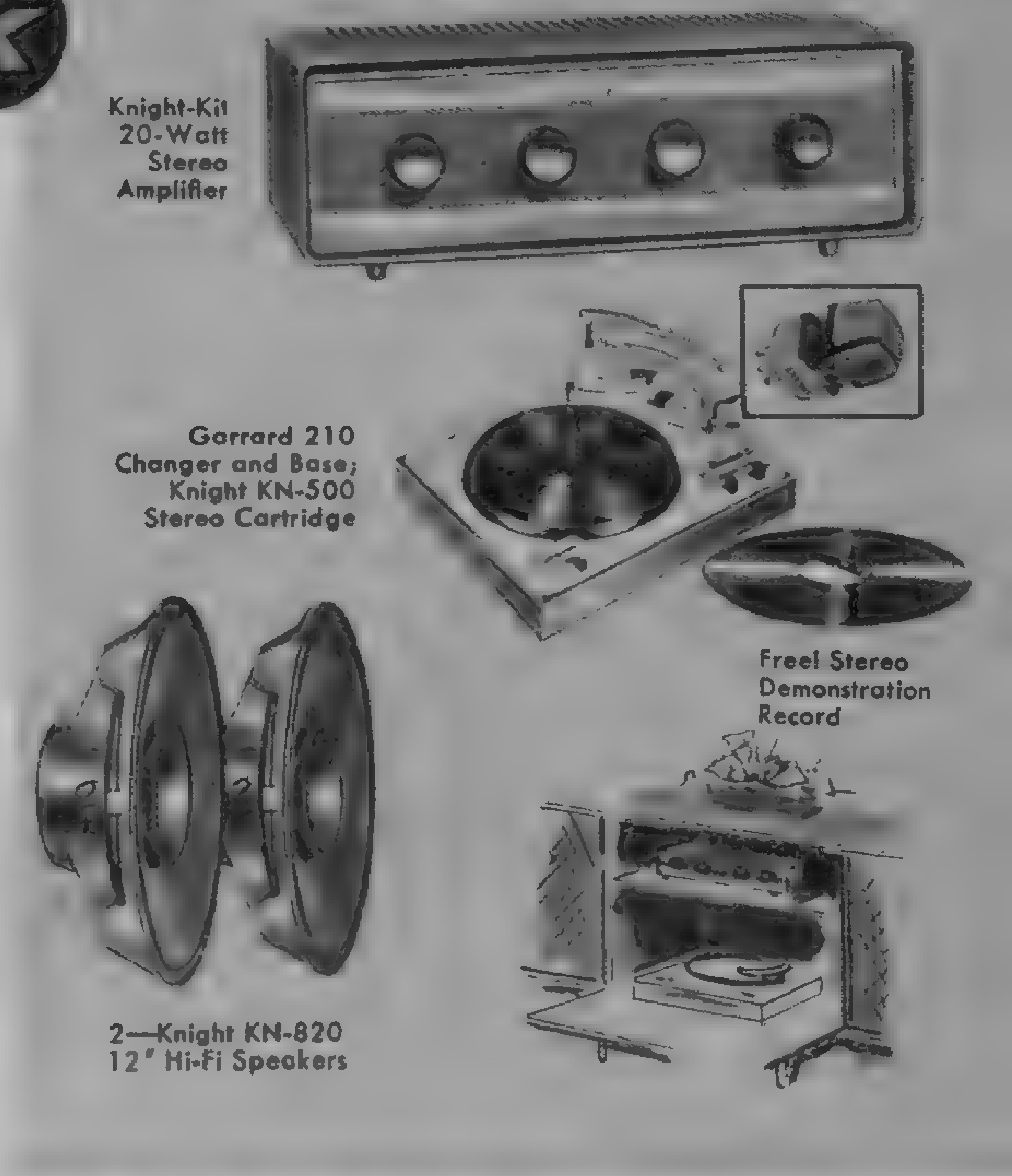
SAVE! DO-IT-YOURSELF STEREO HI-FI SYSTEMS featuring Knight-Kits

SAVE TWO WAYS! You save more—*in two important ways*—when you choose an Allied recommended "do-it-yourself" music system. You save by buying at Allied's special system price; and you pocket big savings by assembling the quality kits yourself.

EASIEST TO ASSEMBLE. Anyone can easily assemble a Knight-Kit "do-it-yourself" music system—even if they have had no previous experience with electronic equipment. Knight-Kits are famous for their clear, detailed instructions—*you can't go wrong!*




Knight-Kit 20-Watt Stereo Amplifier
Collaro TSC-740 Changer & Base; Knight KN-500 Stereo Cartridge
Free! Stereo Demonstration Record
2—Knight KN-808 8 Speakers; 2—Lincoln Shelf-Type Enclosures


Knight-Kit 20-Watt Stereo Amplifier
Garrard 210 Changer and Base; Knight KN-500 Stereo Cartridge
Free! Stereo Demonstration Record
2—Knight KN-820 12" Hi-Fi Speakers

20-Watt Stereo System with Shelf Speakers

Knight-Kit 20-Watt Stereo Amplifier Kit	$ 39.95
Collaro TSC-740 Record Changer and Base	46.14
Knight KN-500 Stereo Cartridge—Diamond Needle	12.95
Two Knight KN-808 Full-Range 8" Speakers	19.90
Two Lincoln L-150 Speaker Enclosures	23.90
TOTAL REGULAR CATALOG PRICE	$142.84
ALLIED SYSTEM PLAN PRICE	129.95
YOU SAVE	**$12.89**

SYSTEM PRICE $129.95

$5 down

Pocket substantial savings with this super-value stereo ensemble—selected by Allied's experts to bring you the most for your money. Centered around the Knight-Kit 20-watt stereo amplifier, these perfectly matched components deliver thrilling performance. The advanced-design, smartly styled amplifier features a host of controls and inputs. Collaro's TSC-740 is a smooth operating record changer that has gained wide acceptance among hi-fi fans—together with the Knight KN-500 cartridge with diamond needle, it captures the full magic of any stereo or monophonic microgroove record. Wonderful space-saver, too—employs the Lincoln L-150 shelf-type speaker enclosures with Knight KN-808 full-range speakers—delivers full-range sound in even the smallest of rooms. Also includes all special Allied system extras. **Changer base and speaker enclosures are available in your choice of mahogany, blonde or walnut finishes.** Shpg. wt., 72 lbs.

20 HF 502. *Specify Finish.* **ONLY**..............**129.95**

20-Watt Stereo System with 12" Speakers

Knight-Kit 20-Watt Stereo Amplifier Kit	$ 39.95
Garrard 210 Record Changer and Base	48.99
Knight KN-500 Cartridge—Diamond Needle	12.95
Two KN-820 Full-Range 12" Hi-Fi Speakers	33.90
TOTAL REGULAR CATALOG PRICE	$135.79
ALLIED SYSTEM PLAN PRICE	124.95
YOU SAVE	**$10.84**

SYSTEM PRICE $124.95

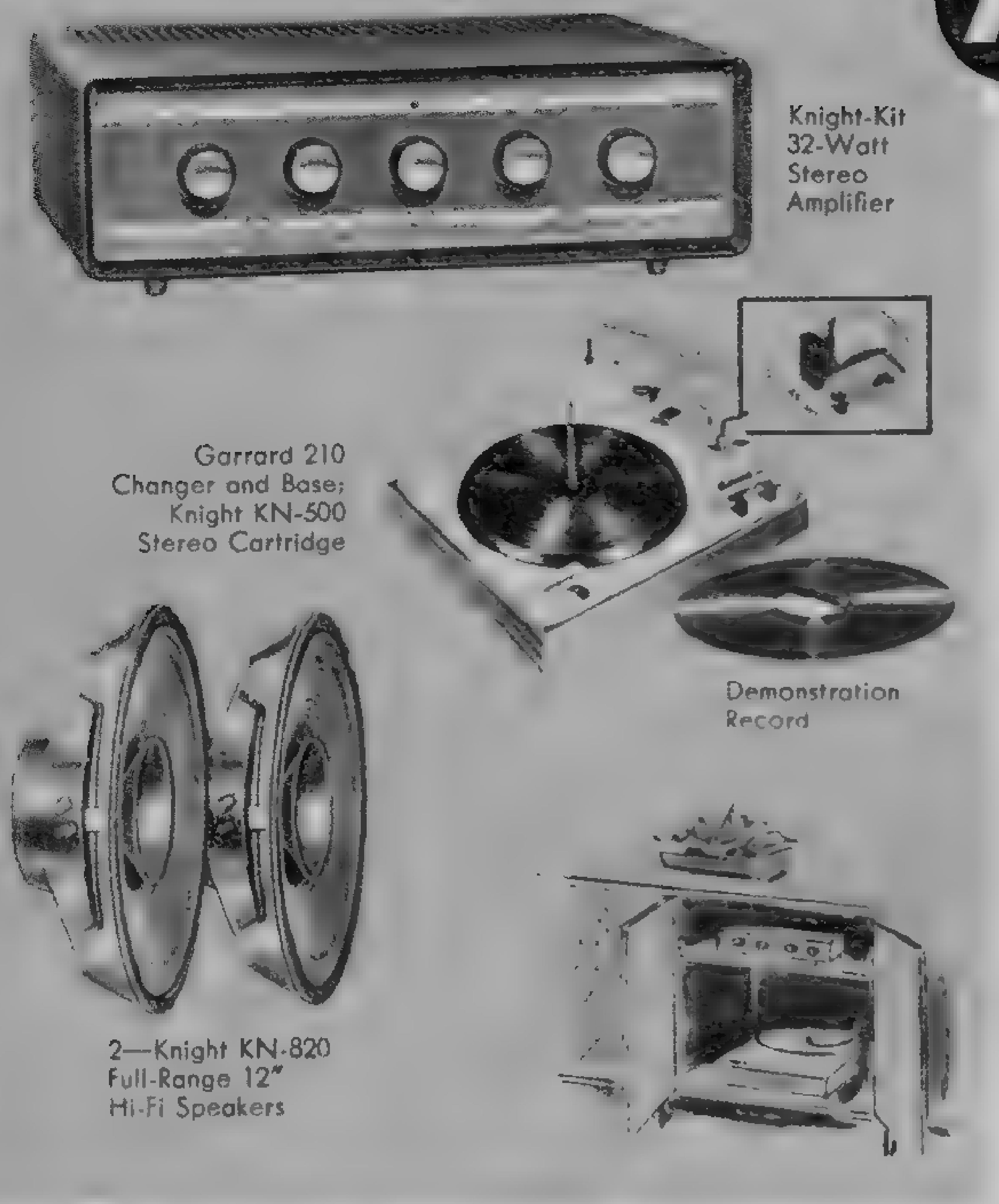
$5 down

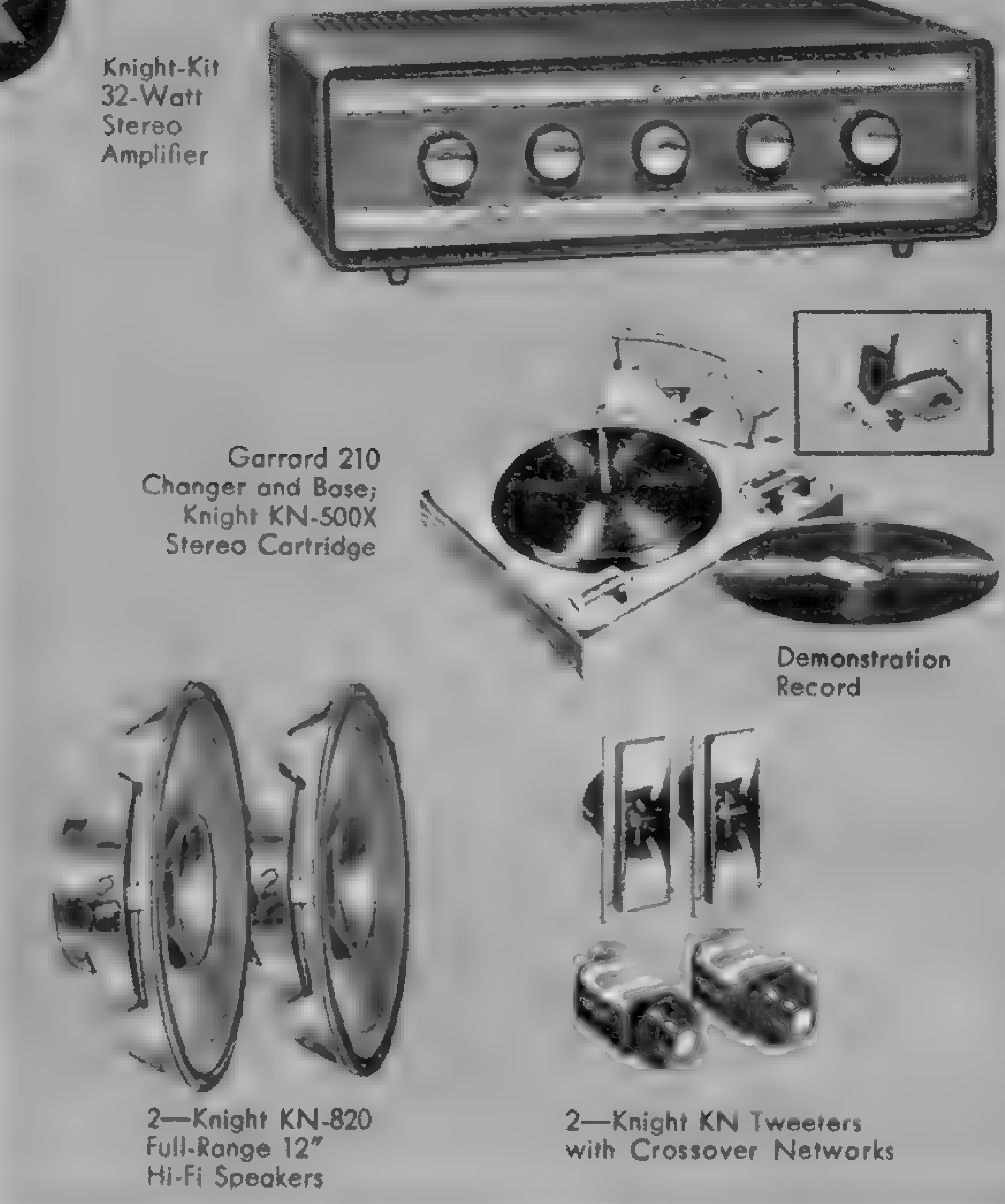
A remarkable value, this beautifully balanced stereo phono system is perfect for the budget-minded "do-it-yourselfer". Savings are impressive, too—you save by assembling the amplifier and you realize added savings with Allied's famous system price. Heart of the system is the smartly-styled Knight-Kit 20-watt stereo amplifier, a versatile unit featuring a complete array of controls and inputs. Garrard's 210 4-speed changer, complete with the Knight KN-500 stereo cartridge with diamond needle, provides sparkling reproduction from stereo or monophonic microgroove records. You can install the Knight KN-820 12" speakers in enclosures you've built yourself (system includes a booklet with construction plans on 8 enclosures), or custom-install the speakers in walls of the room. Additionally, you'll receive all of the famous Allied special system extras! **Changer base in mahogany, limed oak or walnut.** Shpg. wt., 48 lbs.

20 HF 503. *Specify Finish.* **ONLY**..............**124.95**

SAVE!
OWN AND ENJOY THE BEST

NEW DO-IT-YOURSELF STEREO HI-FI SYSTEMS


Knight-Kit 32-Watt Stereo Amplifier
Garrard 210 Changer and Base; Knight KN-500 Stereo Cartridge
Demonstration Record
2—Knight KN-820 Full-Range 12" Hi-Fi Speakers


Knight-Kit 32-Watt Stereo Amplifier
Garrard 210 Changer and Base; Knight KN-500X Stereo Cartridge
Demonstration Record
2—Knight KN-820 Full-Range 12" Hi-Fi Speakers
2—Knight KN Tweeters with Crossover Networks

Top Buy 32-Watt Stereo Phono System

Knight-Kit 32-Watt Stereo Amplifier Kit	$ 59.95
Garrard 210 Record Changer and Base	48.99
Knight KN-500 Cartridge—Diamond Needle	12.95
2—Knight KN-820 12" Hi-Fi Speakers	33.90
TOTAL REGULAR CATALOG PRICE	$155.79
ALLIED SYSTEM PLAN PRICE	139.95
YOU SAVE	**$15.84**

SYSTEM PRICE
$13995
$5 Down

As new as tomorrow, this value-packed 32-watt stereo phono system is ready for luxurious enjoyment today—and at two-way savings, too. You pocket big savings by buying at Allied's system plan price, and you gain additional savings by assembling the amplifier yourself. Furthermore, this superb array of carefully selected components provides you with complete flexibility—lets you install the speakers in enclosures you've built yourself (system includes a booklet with detailed construction plans on 8 enclosures), or custom-install the speakers in walls—all at added savings.

Amazingly versatile, the advance-design Knight-Kit 32-watt amplifier can accommodate any stereo or monophonic input—delivers that extra power to handle music of wide dynamic range with outstanding fidelity. Garrard's famous 210 changer, together with the Knight KN-500 stereo cartridge with .0007" diamond needle, reproduces any stereo or monophonic microgroove record with breath-taking clarity. Knight's KN-820 12" speakers employ two cones for full, rich sound. System extras include a stereo demonstration record, needle and record care booklet, all cables, etc. **Base in mahogany, limed oak or walnut.** Shpg. wt., 55 lbs.
20 HF 505. *Specify Finish.* **ONLY** 139.95

Deluxe 32-Watt Stereo Phono System

Knight-Kit 32-Watt Stereo Amplifier Kit	$ 59.95
Garrard 210 Record Changer and Base	48.99
Knight KN-500X Cartridge—Diamond Needle	17.95
2—Knight KN 12" Hi-Fi Speakers	33.90
2—Knight KN Tweeters and Crossovers	37.90
TOTAL REGULAR CATALOG PRICE	$198.69
ALLIED SYSTEM PLAN PRICE	179.50
YOU SAVE	**$19.19**

SYSTEM PRICE
$17950
$5 Down

Highlighted by the Knight-Kit superb 32-watt stereo amplifier, this system employs a host of quality-matched components—selected by Allied's experts to deliver first-rate performance. You make a substantial savings by building the amplifier yourself—and you get the benefit of Allied's system plan savings. The wide-range, high-fidelity response of the amplifier will bring out the full realism of your recordings. Its complete set of controls and full 32-watt output let you adjust tonal reproduction and volume to the exact degree that suits your taste. A standout by any measure of comparison!

The full-range speakers and tweeter assemblies can be installed in enclosures you've built yourself (system includes detailed construction plans for 8 enclosures)—or you can install the speakers in walls for a true custom system. The renowned, British-made Garrard 210 changer is supplied with the Knight KN-500X deluxe stereo cartridge (with .0005" diamond needle) installed, and tracking pressure perfectly adjusted. Together this combination will deliver optimum reproduction from any stereo or monophonic microgroove record. All Allied system extras are included. **Base in mahogany, limed oak or walnut.** Shpg. wt., 61 lbs.
20 HF 504. *Specify Finish.* **ONLY** 179.50

FEATURING SUPERIOR-QUALITY *knight-kit* COMPONENTS

Knight-Kit Deluxe 40-Watt Stereo Amplifier
Garrard 88/II Changer and Base; Knight KN-500X Stereo Cartridge
Demonstration Record
2—Knight KN—2000A 3-Way Hi-Fi Speaker Systems

Knight-Kit 40-Watt Stereo Amplifier
Garrard 210 Changer and Base; Knight KN-500X Stereo Cartridge; Stereo Record
Demonstration Record
2—Knight KN-800A 12" 3-Way Hi-Fi Speakers

Deluxe 40-Watt Stereo Phono System

Knight-Kit 40-Watt Stereo Amplifier Kit	$ 76.95
Garrard 88/II Record Changer and Base	63.99
Knight KN-500X Cartridge—Diamond Needle	17.95
2—Knight KN-2000A 3-Way Speaker Systems	169.00
TOTAL REGULAR CATALOG PRICE	$327.89
ALLIED SYSTEM PLAN PRICE	294.95
YOU SAVE	**$32.94**

SYSTEM PRICE

$294.95

$10 Down

For magnificent performance, striking styling and exceptional versatility, choose this outstanding ensemble—the finest 40-watt stereo system you can buy in money-saving kit form. Carefully selected by Allied's audio experts, this super-array of deluxe components gives you the benefit of important two-way savings. You save by assembling the amplifier and you realize added savings by taking advantage of Allied's famous system plan price. Superior by any standard of comparison, this deluxe system captures the full beauty and realism from stereo records—and lets you discover new vividness in your monophonic LP collection.

The superlative Knight-Kit 40-watt stereo amplifier is the ideal audio center—offers every control necessary for complete flexibility. Garrard's 88/II changer, with the Knight KN-500X stereo cartridge and diamond needle installed, brings out the full beauty of your record collection. Dazzling sound is assured by the two Knight KN-2000A 3-way high-compliance speaker systems—finished on all 4 sides for use in either upright or horizontal positions. All of the Allied system extras are included. **Changer base and speaker systems in mahogany, limed oak or walnut.** Wt., 136 lbs.

20 HF 506. *Specify Finish.* ONLY............ 294.95

Top-Value 40-Watt Stereo Phono System

Knight-Kit 40-Watt Stereo Amplifier Kit	$ 76.95
Garrard 210 Record Changer and Base	48.99
Knight KN-500X Cartridge—Diamond Needle	17.95
2—Knight KN-800A 12" 3-Way Hi-Fi Speakers	89.90
TOTAL REGULAR CATALOG PRICE	$233.79
ALLIED SYSTEM PLAN PRICE	209.50
YOU SAVE	**$24.29**

SYSTEM PRICE

$209.50

$10 Down

This value-packed 40-watt stereo ensemble combines breathtaking performance with maximum flexibility. You realize excellent savings, too—by easily assembling the amplifier yourself; by taking advantage of Allied's money-saving system price; and by installing the speakers in enclosures you've made yourself (plans for 8 different enclosures are included), or custom-installing the speakers in the walls for a distinctive musical center. With the Knight-Kit 40-watt amplifier as the heart of your system, you are assured of inputs and controls to handle any stereo or monophonic signal source—you'll be genuinely impressed.

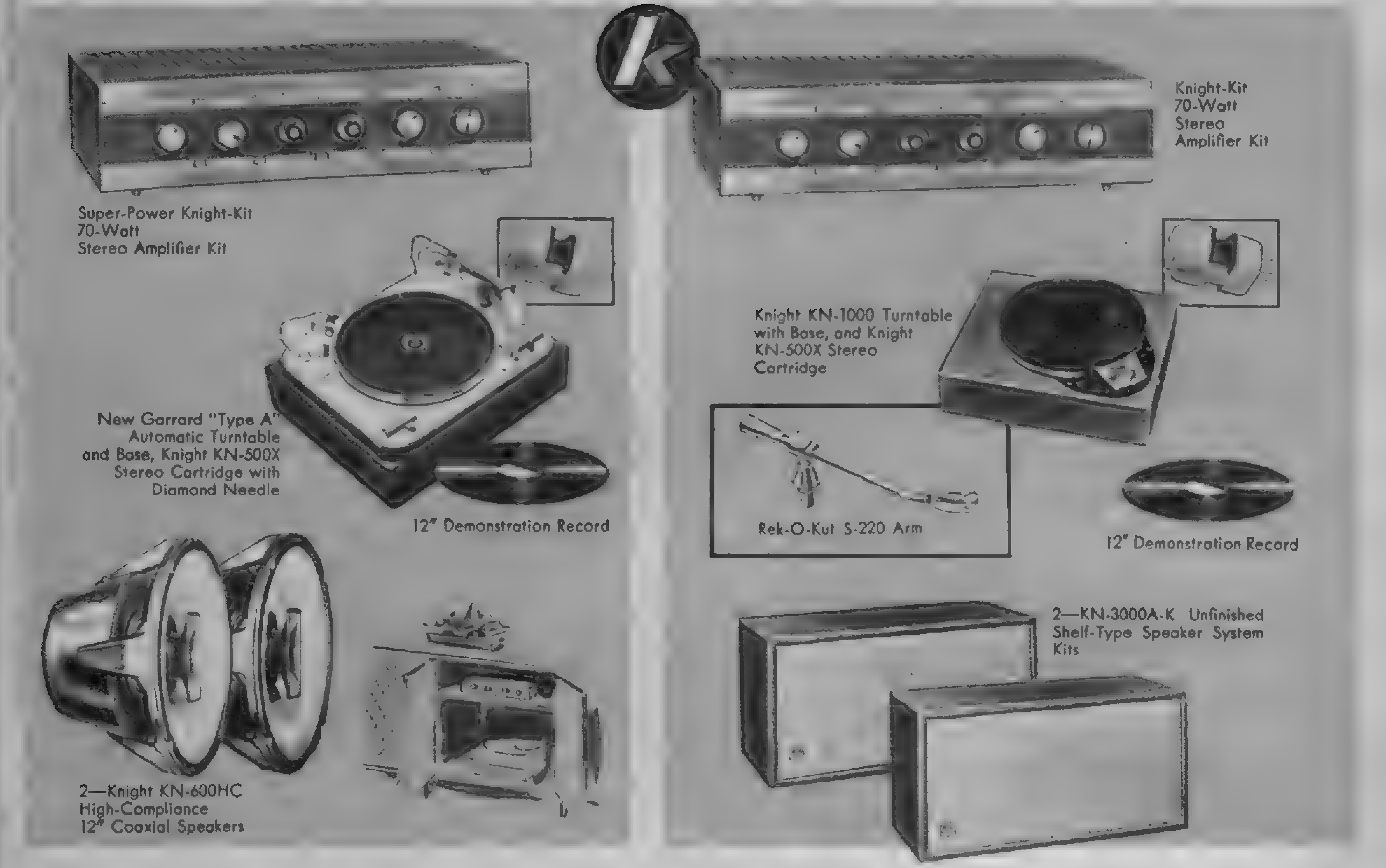
The British-made Garrard 210 offers ultra-smooth, quiet operation—together with the Knight KN-500X stereo cartridge with .0005" diamond needle, it captures the full splendor from any stereo or monophonic microgroove record. For remarkable response over the entire audible range, thrill to the two Knight KN-800A 12" 3-way speakers—you'll be amazed by the life-like reproduction they produce. System extras include a stereo demonstration record, booklet on record and needle care, and 30-feet of speaker wire. **Base in mahogany, limed oak or walnut.** Shpg. wt., 71 lbs.

20 HF 507. *Specify Finish.* ONLY............ 209.50

SAVE!

FINEST DO-IT-YOURSELF STEREO SYSTEMS

featuring deluxe knight-kit components


Super-Power Knight-Kit
70-Watt
Stereo Amplifier Kit
New Garrard "Type A" Automatic Turntable and Base, Knight KN-500X Stereo Cartridge with Diamond Needle
12" Demonstration Record
2—Knight KN-600HC High-Compliance 12" Coaxial Speakers
Knight-Kit 70-Watt Stereo Amplifier Kit
Knight KN-1000 Turntable with Base, and Knight KN-500X Stereo Cartridge
Rek-O-Kut S-220 Arm
12" Demonstration Record
2—KN-3000A-K Unfinished Shelf-Type Speaker System Kits

Super Power 70-Watt Stereo Phono System

Knight-Kit 70-Watt Stereo Amplifier Kit	$119.95
Garrard "Type A" Automatic Turntable & Base	73.99
Knight KN-500X Stereo Cartridge—Diamond Needle	17.95
2—Knight KN-600HC Coaxial 12" Speakers	129.00
TOTAL REGULAR CATALOG PRICE	$340.89
ALLIED SYSTEM PLAN PRICE	299.50
YOU SAVE	**$41.39**

SYSTEM PRICE [illegible]

$10 down

Highlighted by the deluxe Knight-Kit 70-watt stereo amplifier, this superb array of custom components is a tremendous value. You save two ways: first—the total cost of the system is $41.39 below the price of the components purchased separately; second—you save by assembling the amplifier kit yourself. In addition you get all the Allied system "extras" plus an informative booklet with detailed instructions and plans for constructing 8 different types of speaker enclosures.

Two 35-watt channels of the amplifier provide ample power for perfect reproduction from high-compliance speakers. Garrard's new automatic turntable offers the convenience of a changer with the high standards of a turntable. The Knight KN-500X cartridge is rigidly inspected at the factory to assure peak performance. Knight KN-600HC speakers give superb response throughout the audible range. **Changer base in choice of mahogany, limed oak or walnut. Shpg. wt., 114 lbs.**

20 HF 509. *Specify Finish.* **NET**..............**299.50**

70-Watt Shelf-Speaker Stereo System

Knight-Kit 70-Watt Stereo Amplifier Kit	$119.95
Knight KN-1000 Turntable & Base	54.45
Knight KN-500X Stereo Cartridge—Diamond Needle	17.95
Rek-O-Kut S-220 Pickup Arm	29.95
2—Knight KN-3000A-K Speaker Systems	199.00
TOTAL REGULAR CATALOG PRICE	$421.30
ALLIED SYSTEM PLAN PRICE	389.95
YOU SAVE	**$31.35**

SYSTEM PRICE $389.95

$10 down

Fine sound—top versatility—big savings—with this outstanding stereo high fidelity phono system. With the exception of the arm, every component in the system is Allied's own—developed by a team of knowledgeable audio experts whose sole goal is unmatched quality at an unbeatable price. Built around the Knight-Kit 70-watt amplifier, system also includes 2—Knight KN-3000 A-K High Compliance Speaker System kits, ready for fast finishing in shade of your choice. These speaker systems have been measured under lab conditions and are *actually recommended for use in professional applications.* Precision-built to close tolerances by famed British craftsmen, the Knight KN-1000 turntable features a 2-speed hysteresis-synchronous motor (33⅓ and 45 rpm). **Turntable base in choice of oiled walnut or unfinished Korina veneer.** With all Allied system "extras" including wire and cable, record care book, preset stylus pressure, stereo demonstration record, helpful instruction manual, etc. Shpg. wt., 140 lbs.

20 HF 508. *Specify Finish.* **NET**..............**389.95**

LOWEST COST DO-IT-YOURSELF [illegible] HI-FI SYSTEMS

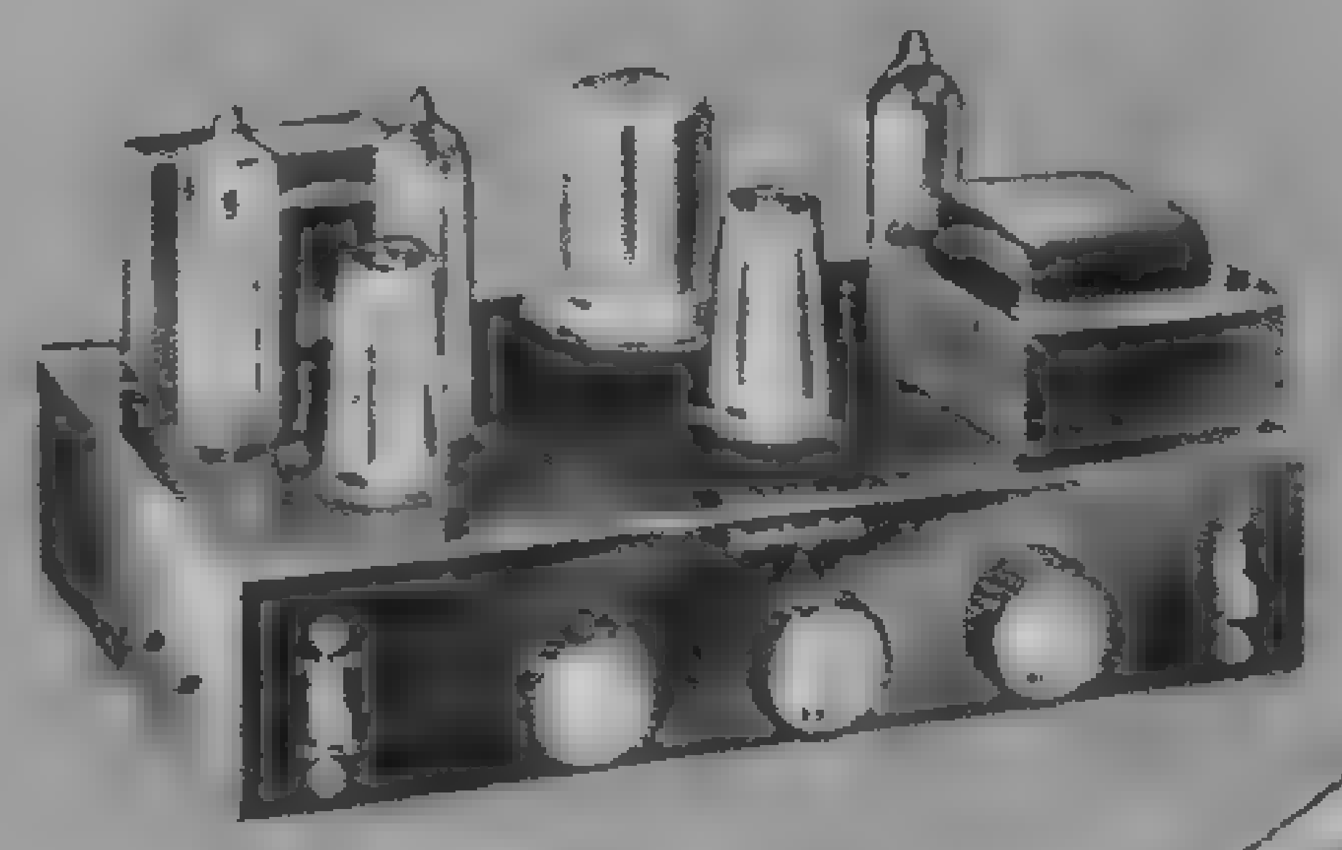
EASY TO ASSEMBLE . . . TRUE MONOPHONIC HIGH FIDELITY AT BIG SAVINGS

Super-Value 12-Watt Hi-Fi Phono System

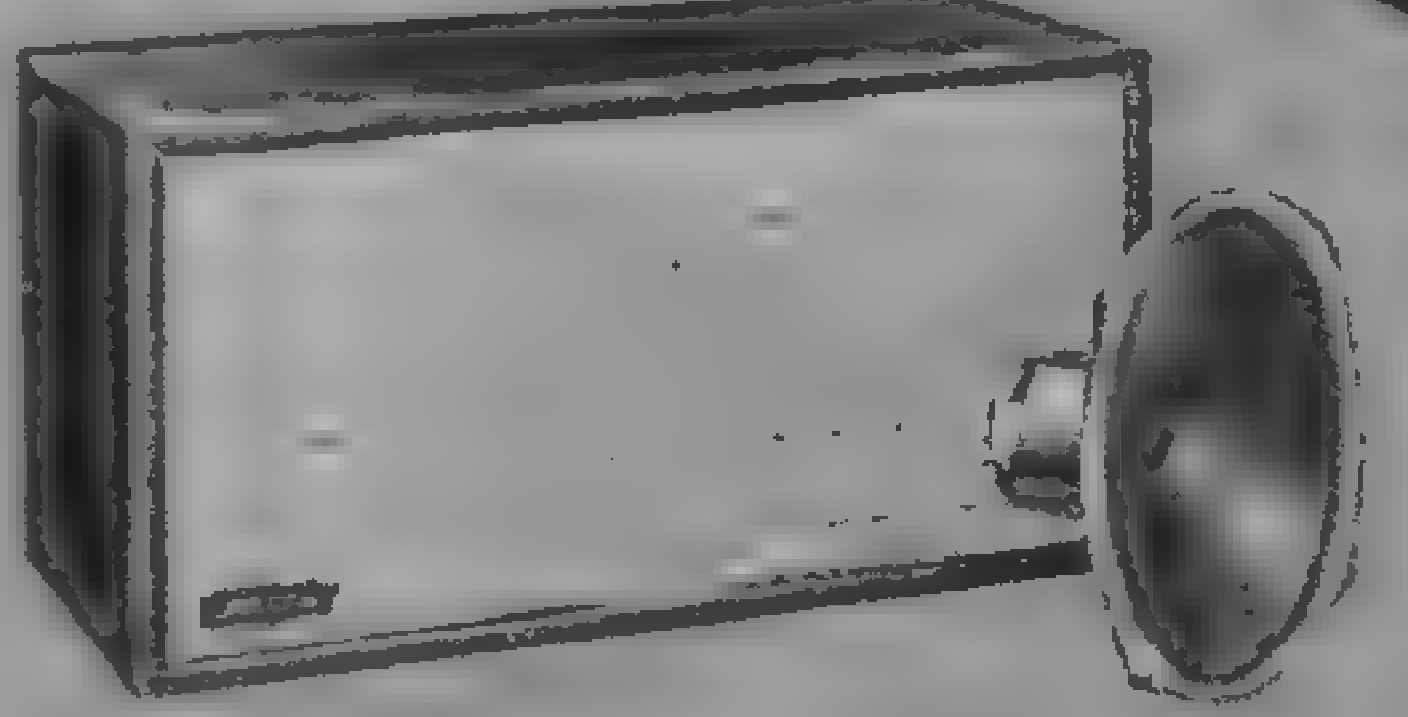
Knight-Kit 12-Watt Amplifier Kit	$19.95
Webcor TR1041-51 Changer & Metal Base with Astatic 13TX Cartridge with Diamond & Sapphire Needles	$36.51
Knight KN-808 Wide-Range 8" Speaker	$9.95
Lincoln L-150 Shelf-Type Enclosure	$11.95
TOTAL REGULAR CATALOG PRICE	$78.36
ALLIED SYSTEM PLAN PRICE	$72.50
YOU SAVE	**$5.86**

SYSTEM PRICE
$72.50
$5 down

Fine quality at rock-bottom price. System gives 12 watts of genuine high-fidelity sound. Webcor 4-speed changer comes with Astatic ceramic cartridge installed. Turnover cartridge has two needles (.0007" diamond and .003" sapphire), for playing records of all sizes and speeds. Knight KN-808 8" speaker has response of 50-12,000 cps. Enclosure may be placed anywhere. Changer comes with brown metal base. **Enclosure in mahogany, blonde or walnut.** With all system extras. Shpg. wt., 39 lbs.
20 HF 510. *Specify Finish.* NET .72.50


Knight-Kit 12-Watt Amplifier Kit

Webcor TR1041-51 Changer with Ceramic Cartridge, Dual Styli

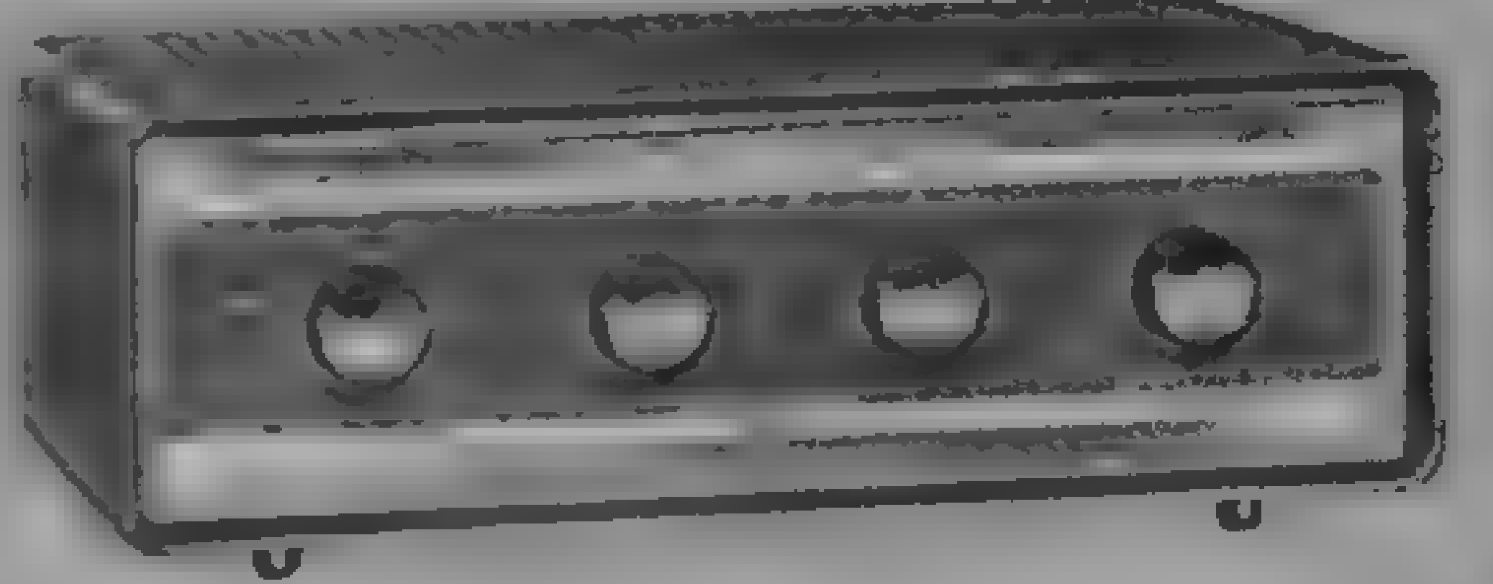

Knight KN-808 8" Speaker Installed in Lincoln L-150 Speaker Enclosure

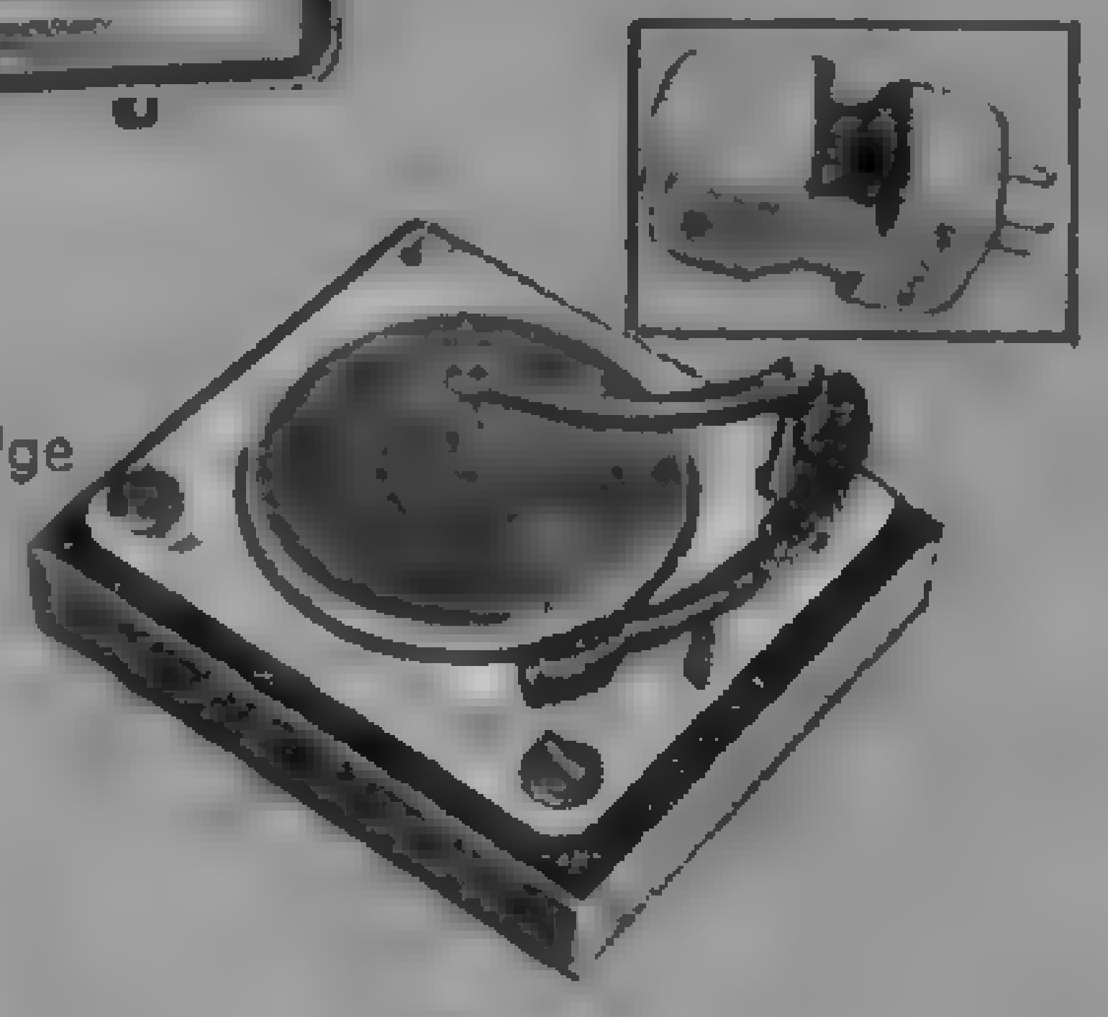
Popular 18-Watt Hi-Fi Phono System

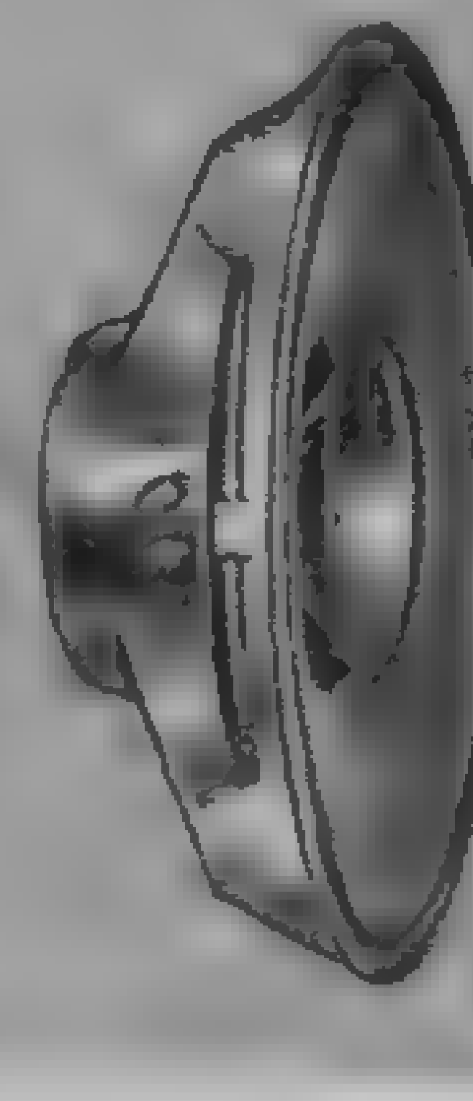
Knight-Kit 18-Watt Amplifier Kit	$39.95
Collaro TSC-740 Changer & Base	$46.14
Knight KN-500 Cartridge Diamond Needle	$12.95
Knight KN-820 Dual-Cone 12" Speaker	$16.95
TOTAL REGULAR CATALOG PRICE	$115.99
ALLIED SYSTEM PLAN PRICE	$104.95
YOU SAVE	**$11.04**

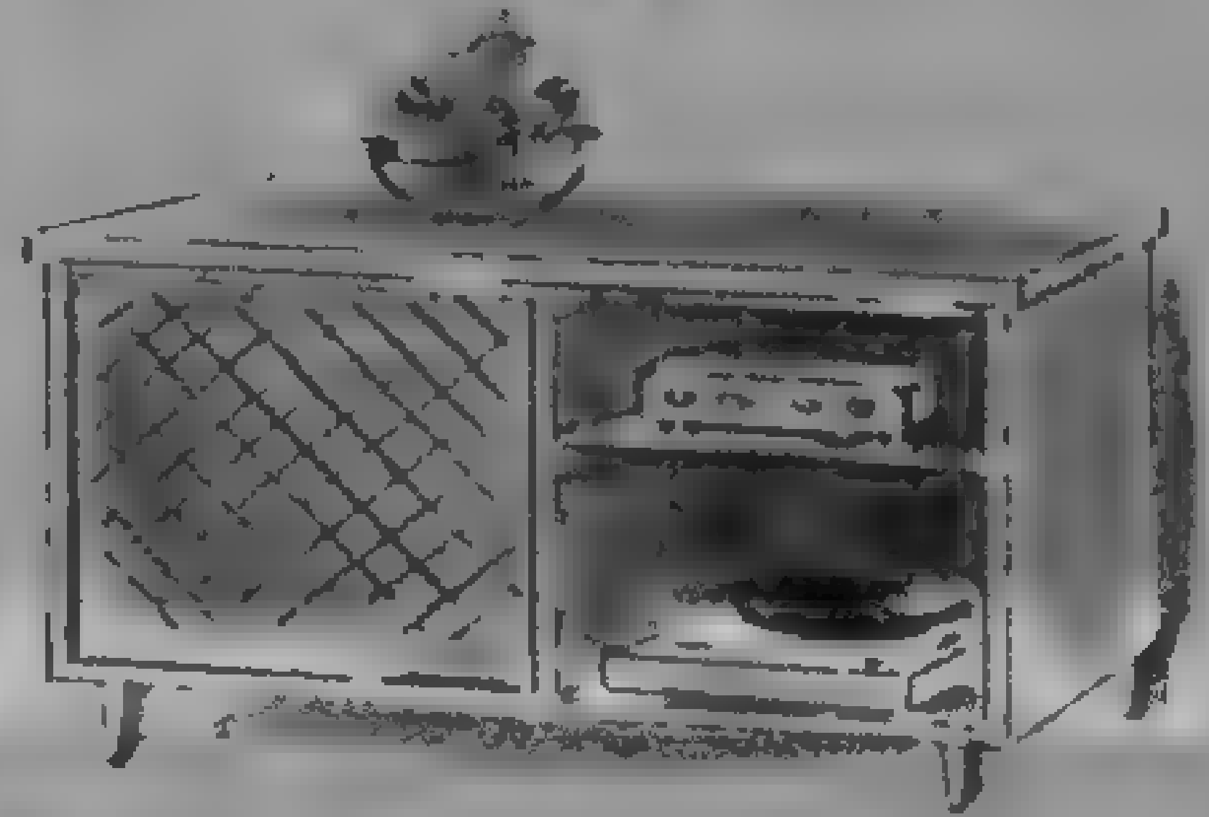
SYSTEM PRICE
$104.95
$5 down

This fine performing 18-watt phono system is just right for custom installation in cabinets, walls, etc. Featuring a group of best-selling components, it delivers fine quality reproduction throughout the listening range. Big double savings, too. Save on the cost of individual components purchased separately; save by assembling the amplifier kit yourself. 4-speed Collaro changer and Knight cartridge are both stereo wired—makes it simple and easy to convert to stereo at a later date. **Changer base in choice of mahogany, limed oak or walnut.** With all Allied system extras. Shpg. wt., 39 lbs.
20 HF 512. *Specify Finish.* NET................104.95


Knight-Kit 18-Watt Amplifier Kit


Collaro TSC-740 Changer on Base, plus Knight KN-500 Stereo Cartridge


Knight KN-820 12" Speaker

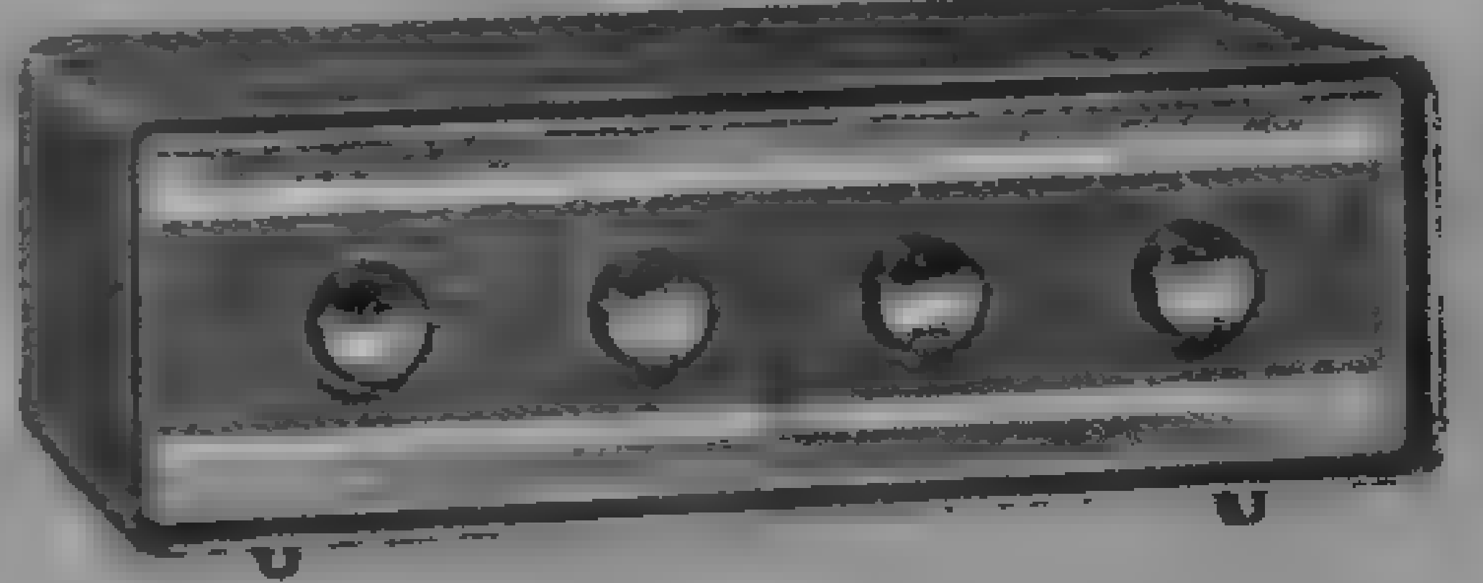


Deluxe 18-Watt Hi-Fi Phono System

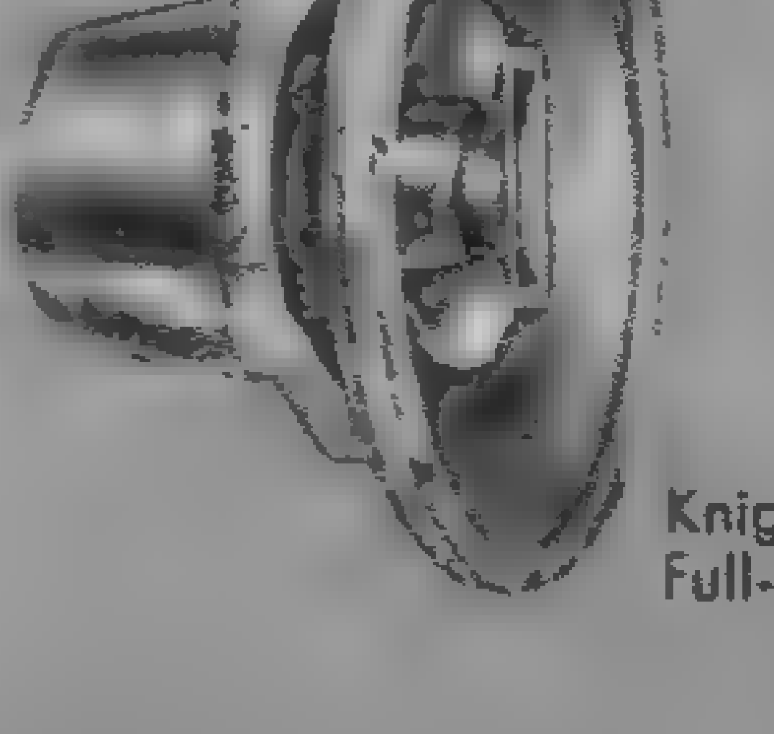
Knight-Kit 18-Watt Amplifier Kit	$39.95
Garrard 210 Changer & Base	$48.99
Knight KN-500X Cartridge—Diamond Needle	$17.95
Knight KN-800A 3-Way 12" Speaker	$44.95
TOTAL REGULAR CATALOG PRICE	$151.84
ALLIED SYSTEM PLAN PRICE	$134.95
YOU SAVE	**$16.89**

SYSTEM PRICE
$134.95
$5 down

Allied's finest monophonic system, this group of high-quality components provides 18 watts of audio output. Designed for monophonic listening now—can easily be converted to stereo at a later date. Both Garrard 210 4-speed changer and Knight KN-500X magnetic cartridge are wired for stereo and monophonic operation. Each KN-500X is rigidly inspected before shipment from the factory. KN-800A gives response from 35-15,000 cps. Complete with all system extras. **Changer base in mahogany, limed oak or walnut.** Shpg. wt., 48 lbs.
20 HF 511. *Specify Finish.* NET................134.95


Knight-Kit 18-Watt Amplifier Kit

Garrard 210 Changer with Base, KN-500X Cartridge


Knight KN-800A 3-Way Full-Range Speaker

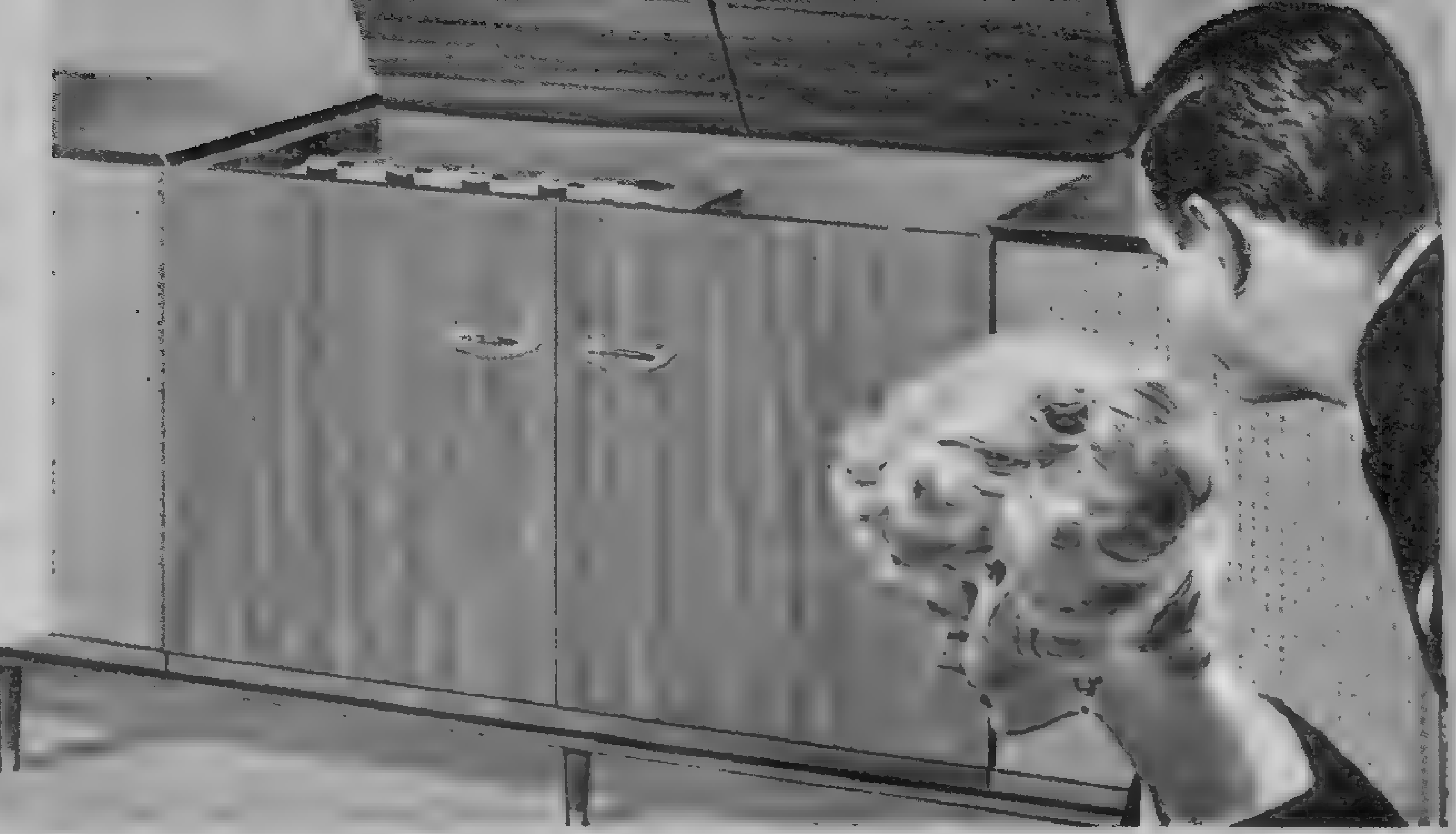
Buy On Allied's Easy Terms

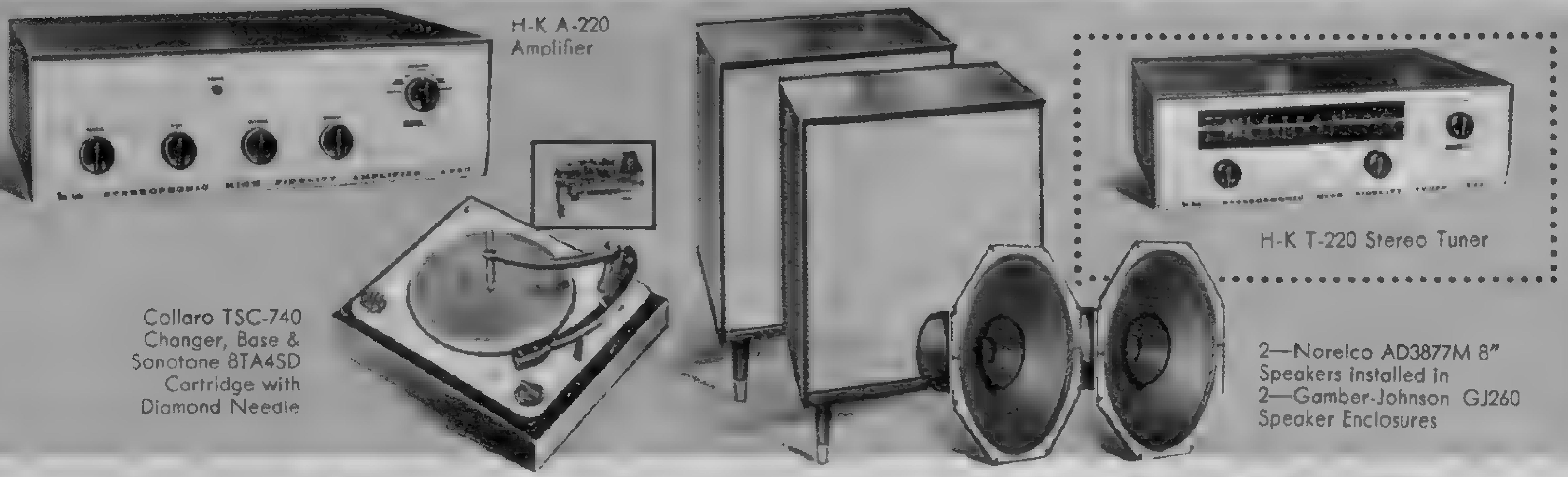
Best Buy

ALLIED-RECOMMENDED

STEREO HI-FI SYSTEMS WITH FAMOUS-NAME COMPONENTS

Enjoy the best that stereo has to offer with an Allied-recommended music system—yours at giant savings. Take advantage of Allied's Easy Payment Plan—your satisfaction is absolutely guaranteed.



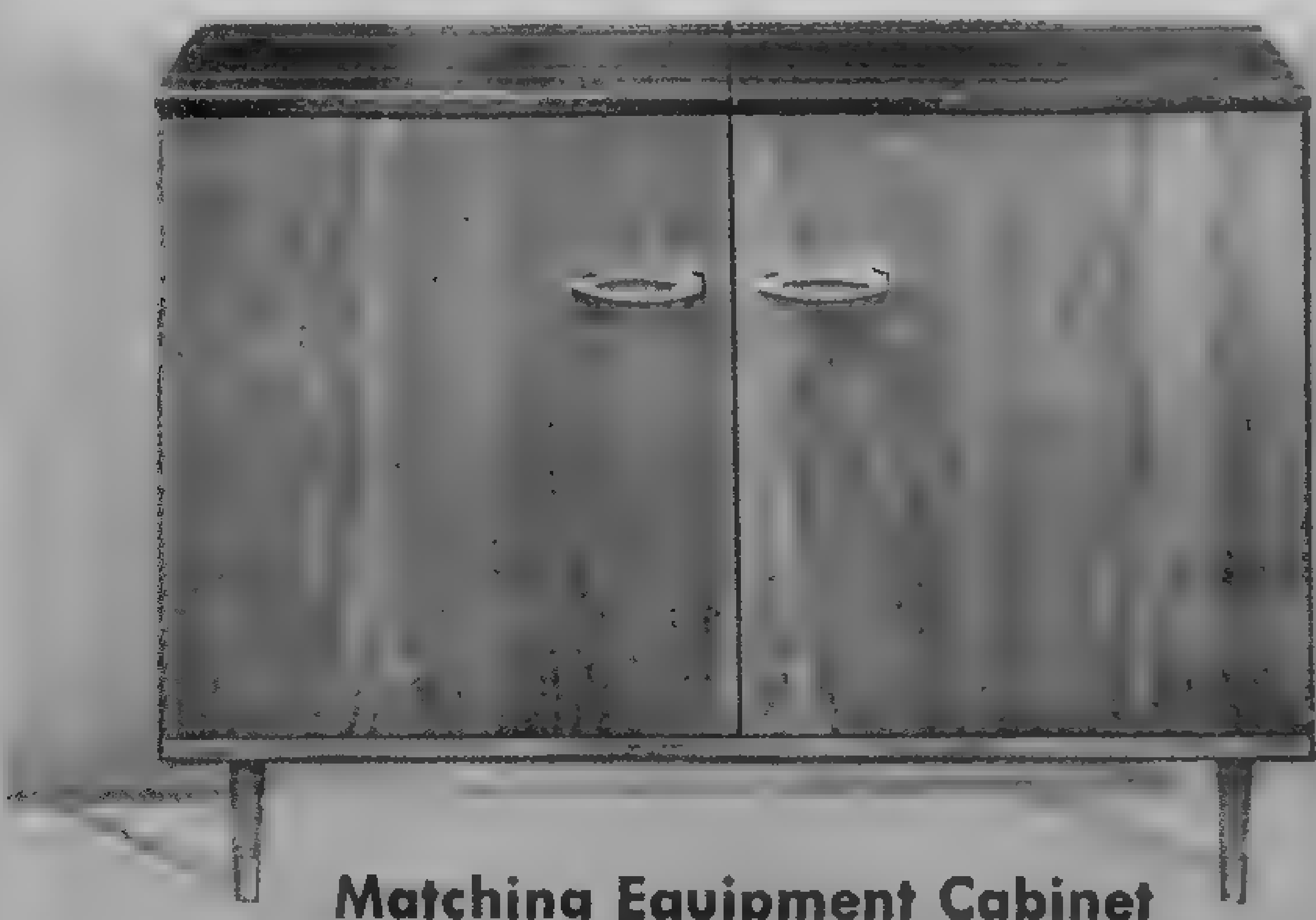

H-K A-220 Amplifier
Collaro TSC-740 Changer, Base & Sonotone 8TA4SD Cartridge with Diamond Needle
H-K T-220 Stereo Tuner
2—Norelco AD3877M 8" Speakers installed in 2—Gamber-Johnson GJ260 Speaker Enclosures

Stereo Hi-Fi Phono System Featuring Harman-Kardon 20-Watt Amplifier

ONLY **$203.95** **$10 down**

SAVE $52.91 Low in cost, high in performance—plus excellent savings over the total cost of components if purchased separately. Phono system includes: **Harman-Kardon A-220 "Lute" 20-Watt Stereo Amplifier; Collaro TSC-740 4-Speed Record Changer with Base; Sonotone 8TA4SD Stereo Cartridge with .0007" Diamond and .003" Sapphire Needles; two Norelco AD-3877M 8" Speakers installed in two Gamber-Johnson GJ260 Speaker Enclosures; and all system extras.** Excellent for custom-mounting in equipment cabinet, listed below. The A-220 delivers 10 watts per channel. **Speaker enclosures and changer base in mahogany or walnut.** Shpg. wt., 133 lbs. *Only $10 Down.*
20 HF 552. *Specify Finish.* NET 203.95

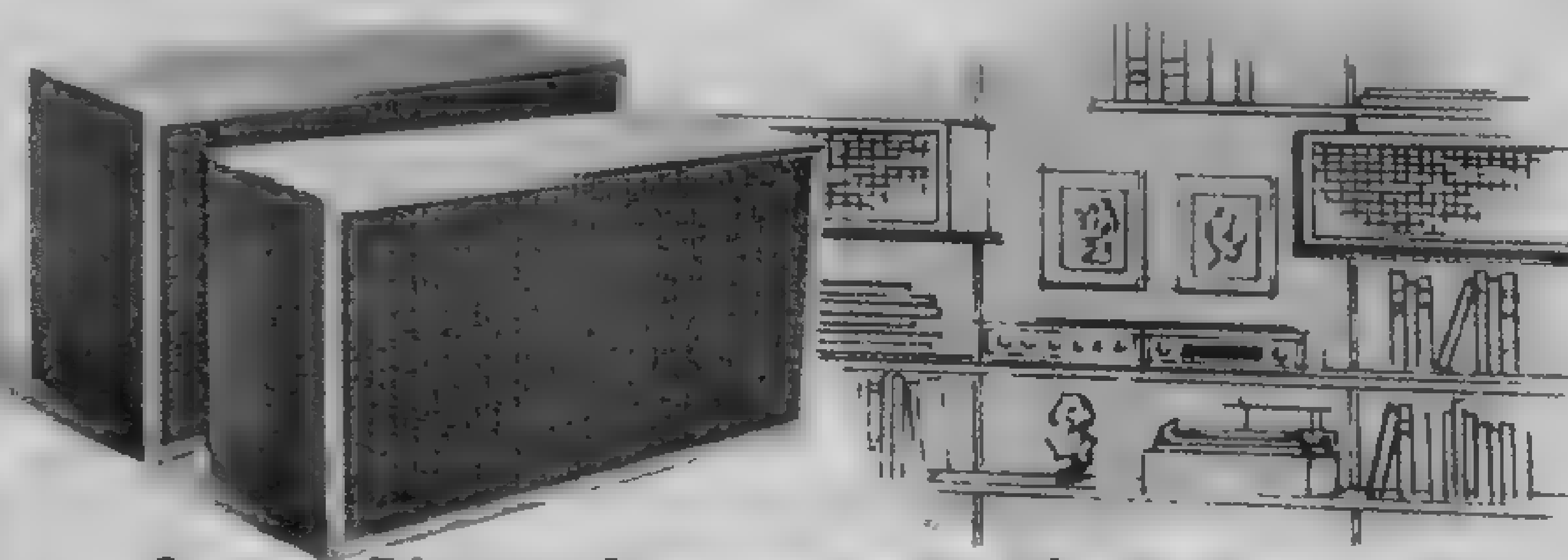
STEREO FM-AM PHONO SYSTEM. Above system plus H-K T-220 FM-AM Stereo Tuner—at big savings of $61.81. **Speaker enclosures and changer base in mahogany or walnut.** Shpg. wt., 143 lbs. *$10 Down.*
20 HF 553. *Specify Finish.* NET 299.95



Matching Equipment Cabinet

NET **$89.95** **$5 down**

GAMBER-JOHNSON GJ210. Highly-attractive equipment cabinet for custom-mounting stereo components. With blank front panel and blank motor board. **Mahogany or walnut veneer.** 26½x37x18¾". Wt., 93 lbs.
70 DZ 661-C. *Specify Finish.* NET 89.95



Stereo Phono System with Shelf Speakers

ONLY **$202.95** **$10 down**

SAVE $52.11 Perfectly matched stereo phono system as above, but with two alternate University S-80 2-way shelf-type speaker systems—at substantial savings. **Speaker systems and changer base in choice of mahogany or walnut.** A first-rate choice where space is limited. Components may be mounted in handsome cabinet at left. 66 lbs.
20 HF 550. *Specify Finish.* NET 202.95

STEREO FM-AM PHONO SYSTEM. System above, with Harman-Kardon T-220 FM-AM Stereo Tuner—you save $70.01. **Speaker systems and changer base in mahogany or walnut.** Shpg. wt., 76 lbs. *$10 Down.*
20 HF 551. *Specify Finish.* NET 289.95

Stereo Phono System Featuring Bogen 24-Watt Stereo Amplifier

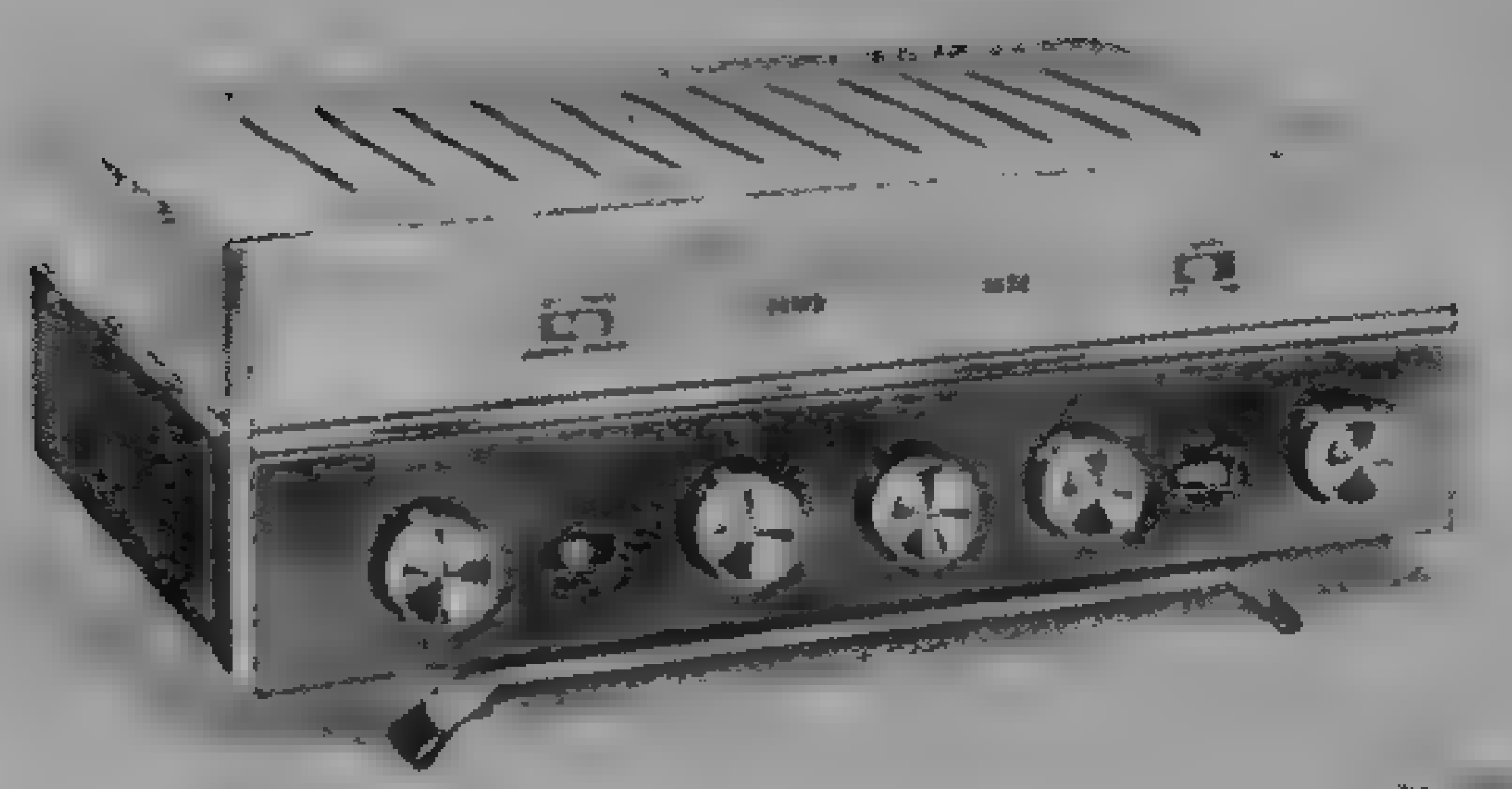
ONLY

$188.95

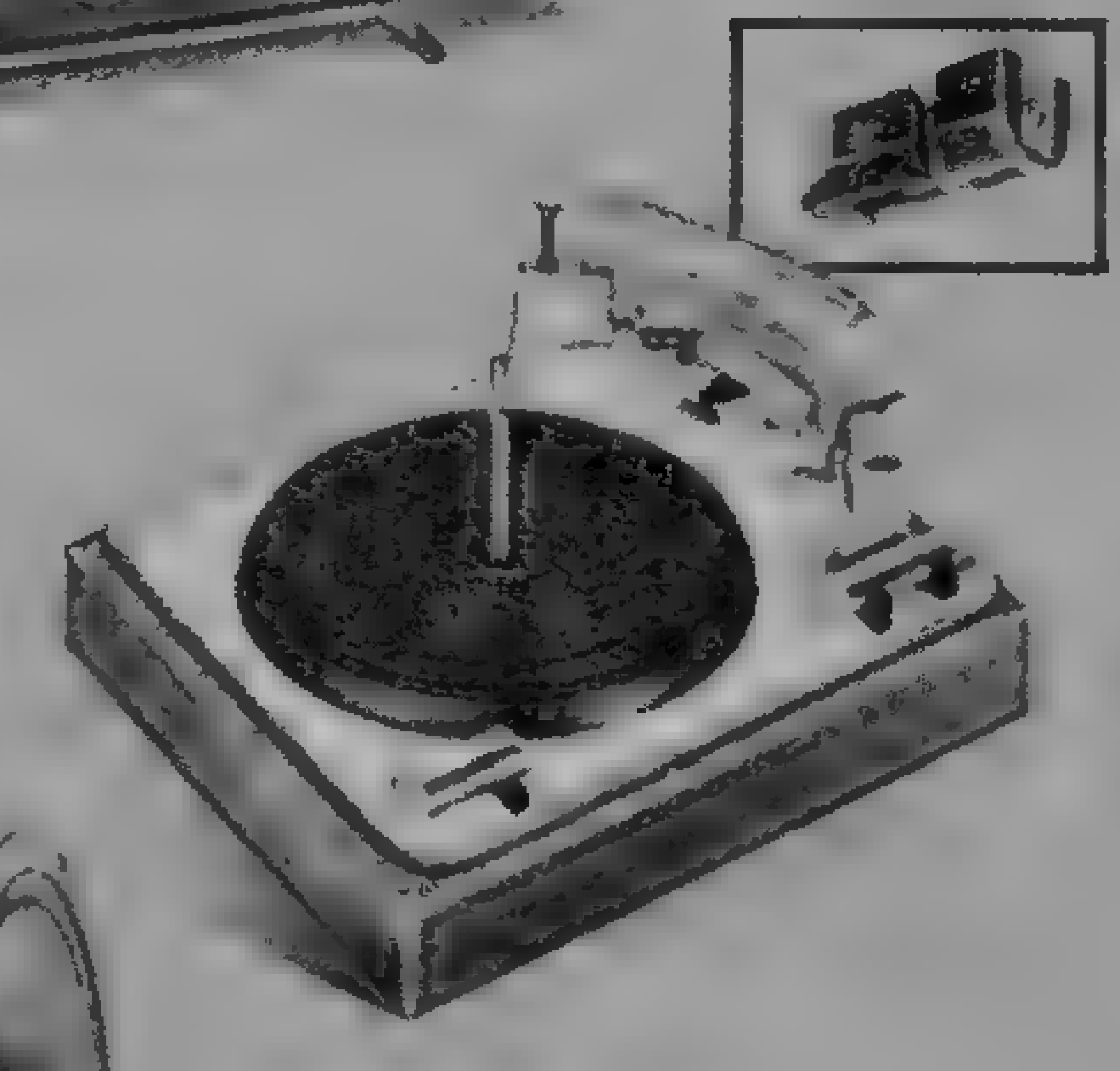
$5 down

SAVE $49.23 Bring thrilling stereo into your home—at substantial savings with Allied's famous "System Plan." Matched ensemble includes: **Bogen DB212 24-Watt Stereo Amplifier with Metal Cage; Garrard 210 4-Speed Changer and Base; E-V 31MD-7 Stereo Cartridge with Diamond LP Needle; 2—E-V LS-12 12" Hi-Fi Speakers, and all the system extras.** Mounts beautifully in Model 1000 cabinet, below. The DB212 delivers 12 watts per channel—accommodates any sound source. **Changer base in mahogany, limed oak or walnut.** Shpg. wt., 50 lbs. *$5 Down.*
20 HF 561. *Specify Finish.* **NET**................**188.95**

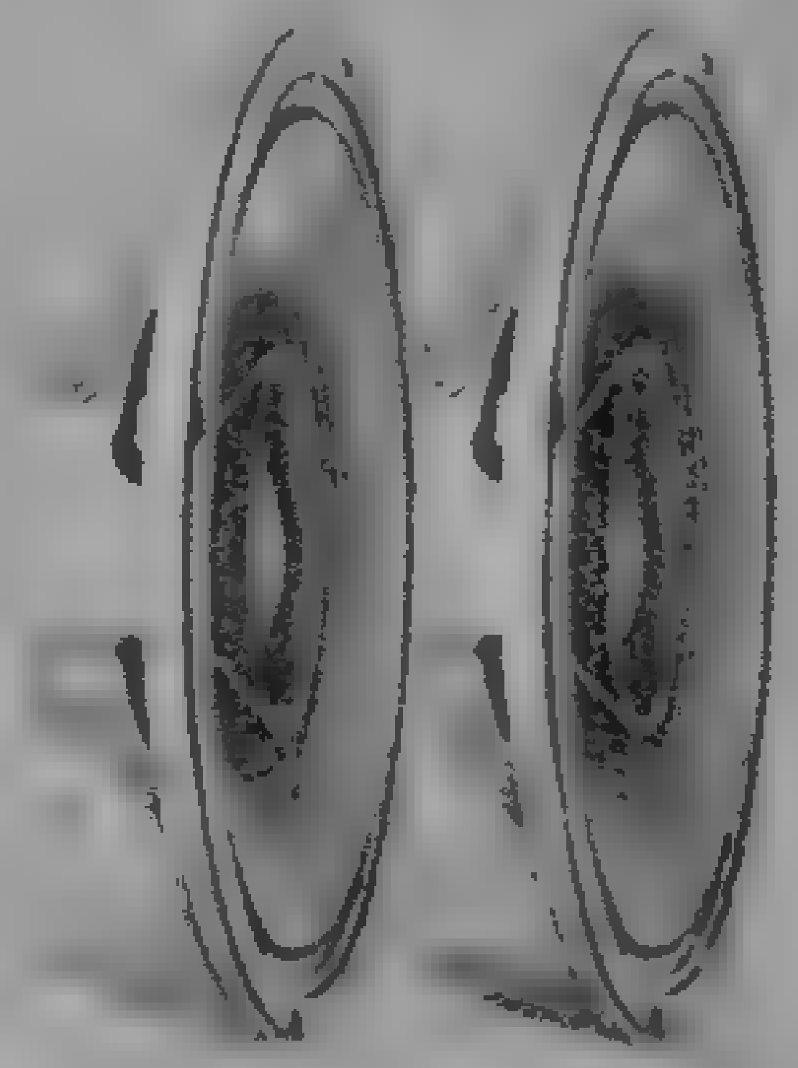
STEREO FM-AM-PHONO SYSTEM. Above system with Bogen ST442 FM-AM Stereo Tuner with metal case—you save $83.18. **Changer base in mahogany, limed oak or walnut.** Shpg. wt., 69 lbs. *Only $10 Down.*
20 HF 562. *Specify Finish.* **NET**................**312.00**



Bogen DB212 24-Watt Stereo Amplifier with Cage



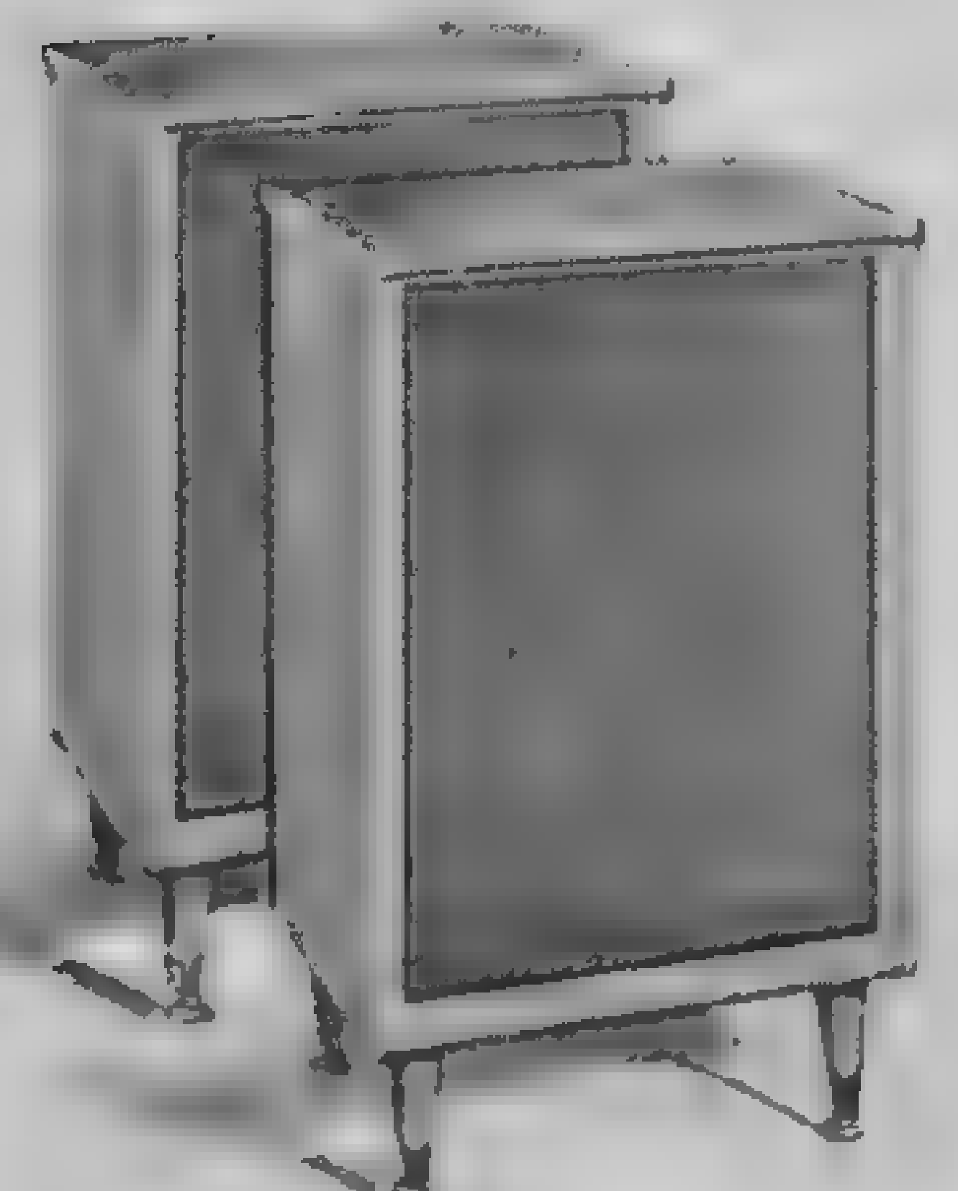
Garrard 210 Changer, Base, and E-V 31MD-7 Cartridge with Diamond Needle



2—Electro-Voice LS-12 12" Full-Range High-Fidelity Speakers

Bogen ST442 FM-AM Stereo Tuner

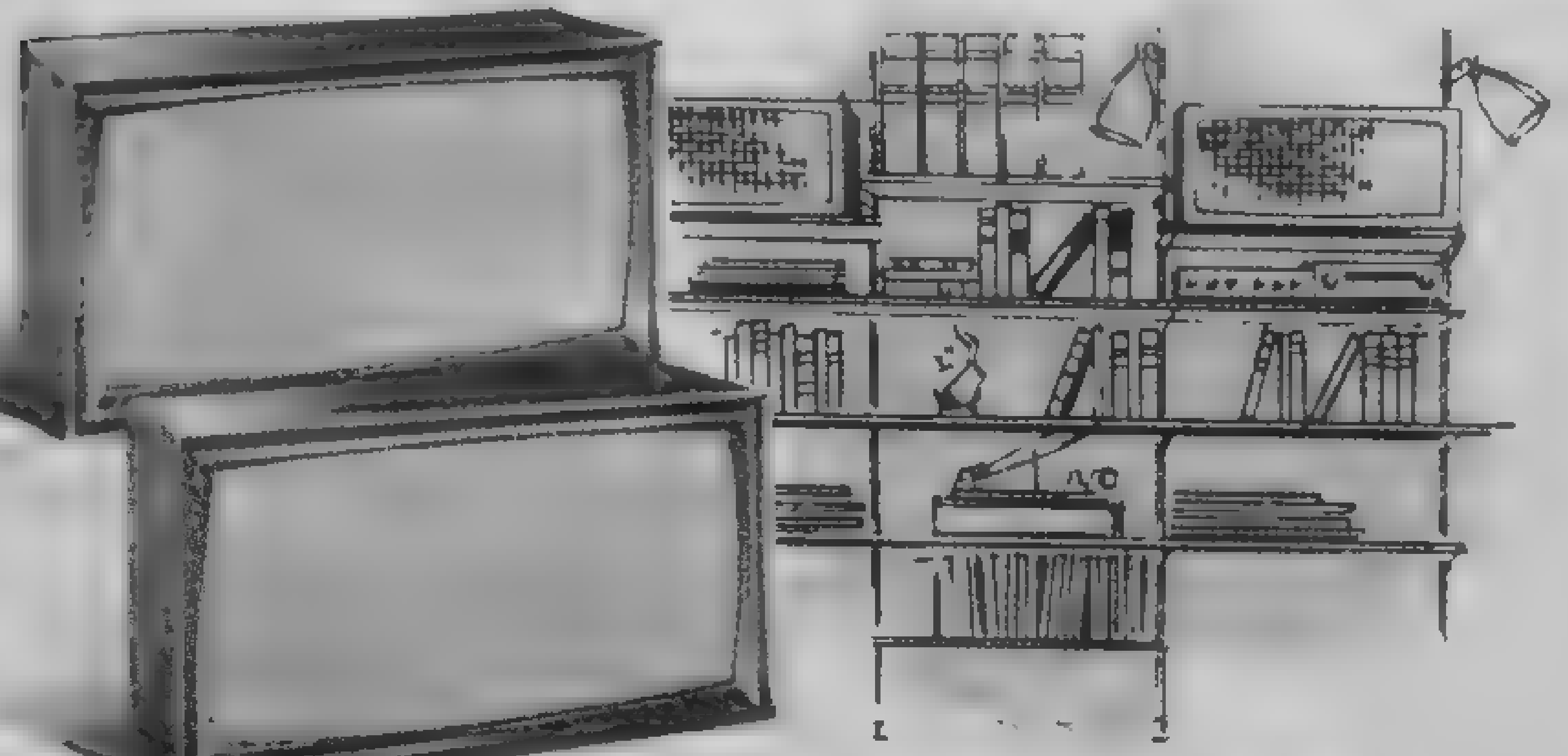
WITH SPEAKER ENCLOSURES



PHONO SYSTEM. Above system with two Rockford 101 speaker enclosures at savings of $72.68. **Enclosures and changer base in mahogany, blonde or walnut—specify.** Wt. 150 lbs.
20 HF 557. NET........**274.50**

FM-AM-PHONO SYSTEM. Above, with Bogen ST442 FM-AM Stereo Tuner and case. **Specify finish.** 167 lbs.
20 HF 558. NET......**399.95**

Money-Saving 24-Watt Stereo Phono System with Quality Shelf Speakers



Jensen DF-1 "Duette" 2-Way Speaker Systems—Deliver Sparkling Hi-Fi Sound—Save Space

ONLY

$268.50

$10 down

SAVE $70.46 Pocket giant savings on this complete stereo phono ensemble. Includes all of the expertly matched components described in phono system above, but has alternate, shelf-type Jensen DF-1 two-way speaker systems. **Changer base and speaker systems in choice of mahogany, blonde or walnut.** Shpg. wt., 99 lbs. *Only $10 Down.*
20 HF 559. *Specify Finish.* **NET**...............**268.50**

FM-AM PHONO SYSTEM. As above, but with Bogen ST442 FM-AM Stereo Tuner with case—you save $103.46. **Speaker systems and changer base in mahogany, blonde or walnut.** Shpg. wt., 116 lbs. *$10 Down.*
20 HF 560. *Specify Finish.* **NET**...............**392.50**

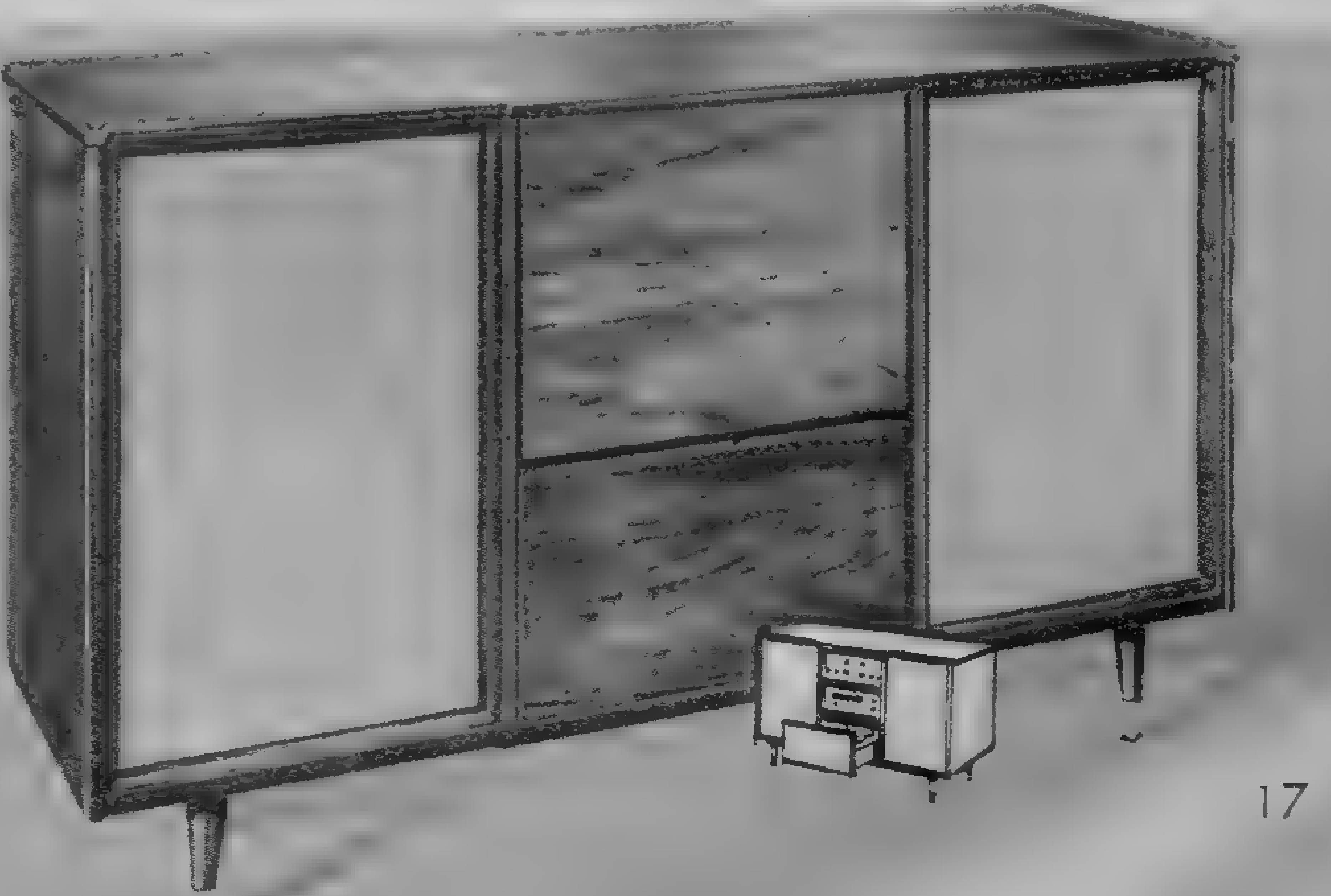
Rockford 1000 All-In-One Cabinet

NET

$175.00

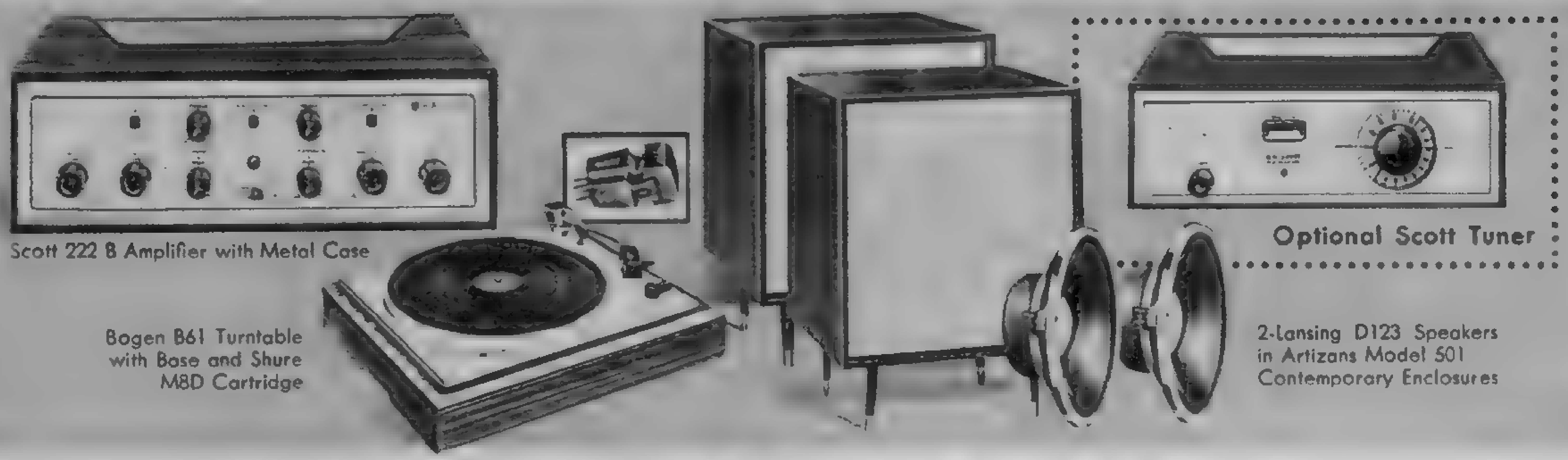
$5 down

Beautiful one-piece stereo equipment cabinet featuring neat, trim styling and space-saving design. Easily accommodates all of the components—including speakers—of the matched components listed at top of page. Upper compartment of the center section (with drop-front door), is 18⅜x18⅜x18"—houses the tuner and amplifier; with blank front panel. Lower pull-out section has blank board for custom-mounting changer. Enclosure sections are acoustically designed to deliver full-range response. 32½x54x18". **In mahogany, limed oak or walnut.** Shpg. wt., 135 lbs. *$5 Down.*
70 DZ 461C. *Specify Finish.* **NET**........**175.00**



PLAN YOUR MUSIC SYSTEM WITH ATTRACTIVE COMPONENT CABINETRY

Whatever your taste in fine furniture, Allied has cabinetry to convert your system into a striking custom installation. See our cabinet listings.


Scott 222 B Amplifier with Metal Case
Bogen B61 Turntable with Base and Shure M8D Cartridge
Optional Scott Tuner
2-Lansing D123 Speakers in Artizans Model 501 Contemporary Enclosures

Money-Saving 24-Watt Stereo Phono System

ONLY

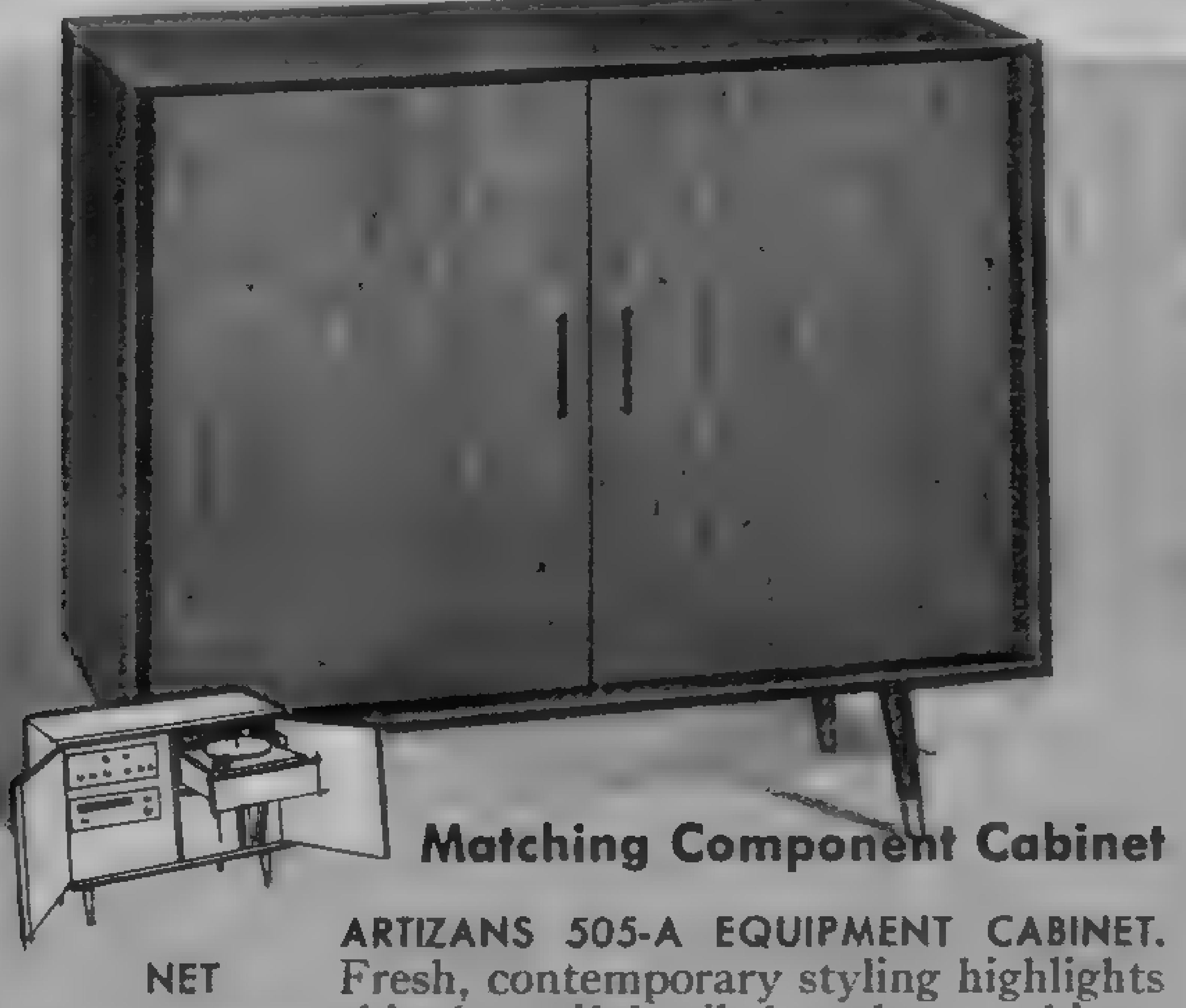
$417.50

$10 down

SAVE $100.17 This superb-performing stereo phono system combines the traditional excellence of such famous names as Scott, Bogen, Shure and Lansing with a sleek, stylish newcomer—Artizans enclosures. In addition to substantial savings, you receive all Allied "system extras." Each component has been perfectly matched by Allied's own audio experts to provide full-range, flawless stereo. Amplifier provides 12 watts per channel for a full 24 watts of stereo or monophonic sound.

System includes: **Scott 222-B 24-Watt Stereo Amplifier with Metal Case; Bogen B61 Turntable with Walnut Base; Shure M8D Magnetic Stereo Cartridge with .0007" Diamond Stylus, installed in arm; two James B. Lansing D123 Speakers installed in two Artizans 501 Oiled Walnut Speaker Enclosures.** Shpg. wt., 149 lbs.
20 HF 571. *Only $10 Down.* **NET**..............**417.50**

FM-PHONO SYSTEM. Save $137.07. As above, plus Scott 314 FM Tuner with metal case. Shpg. wt., 164 lbs.
20 HF 572. *Only $10 Down.* **NET**..............**517.50**



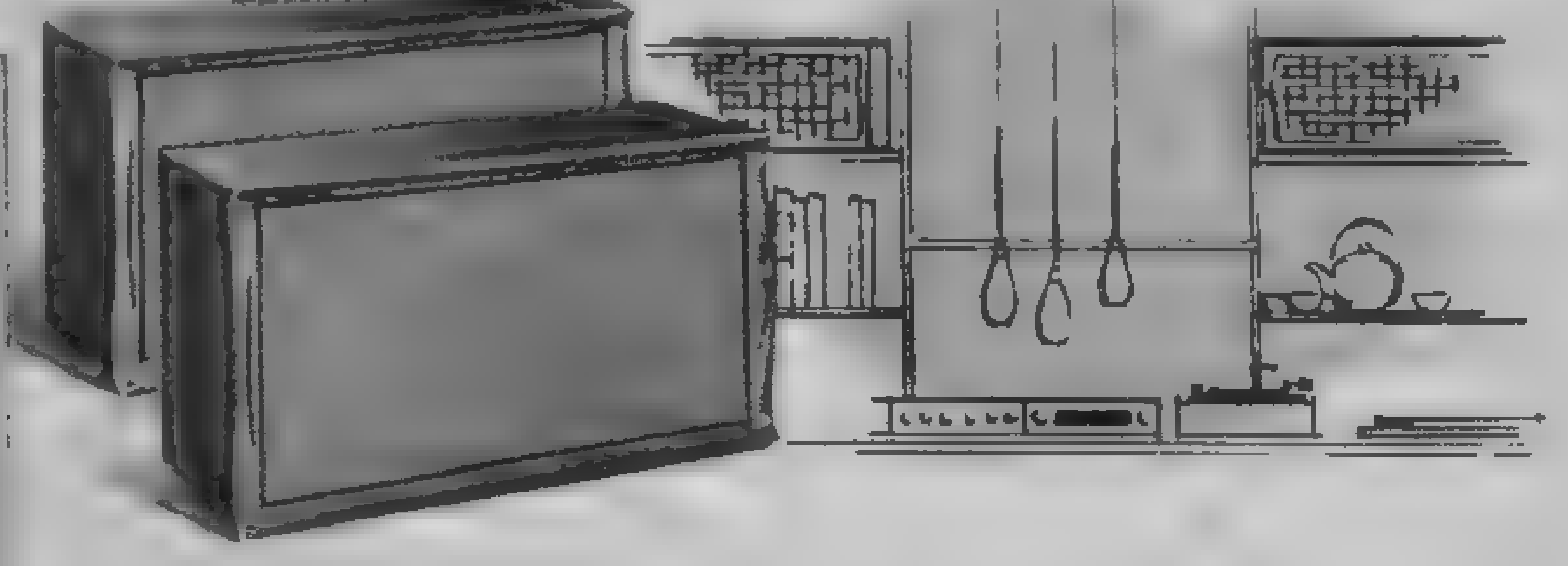
Matching Component Cabinet

NET

$115.00

$5 down

ARTIZANS 505-A EQUIPMENT CABINET. Fresh, contemporary styling highlights this beautiful oiled walnut cabinet. Matches Artizans enclosures above. Left side (behind ½" blank panel), 22⅛x16⅝x14". Right side has pull-out drawer with blank board plus record space. Overall, 30¼x35¾x17¾". 90 lbs.
70 DZ 003. **NET**............**115.00**



Above System with Shelf-Type Speakers

ONLY

$378.50

$10 down

SAVE $99.77 Includes all of the components in the Scott 24-Watt Phono System listed above, but with Jensen TR-10 Shelf-Type Speaker systems in place of Lansing speakers and Artizans enclosures. Compact, beautifully styled speaker system units are ideal for use in room dividers, on tables, mantels, etc. Perform equally well in highboy or lowboy position. **In mahogany, tawny ash or walnut—specify choice when ordering.** Shpg. wt., 115 lbs.
20 HF 573. *Specify Finish.* **NET**..............**378.50**

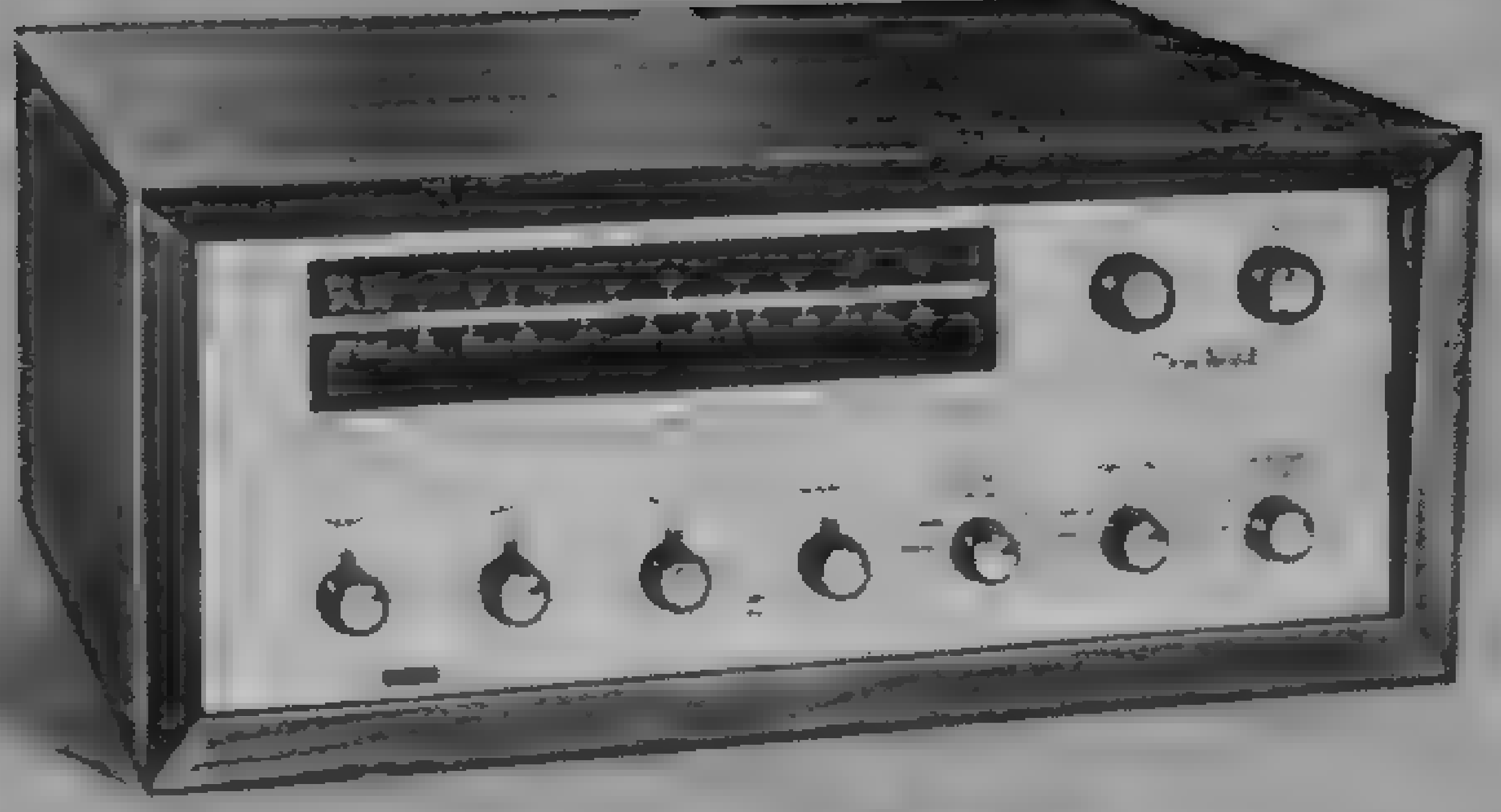
FM-PHONO SYSTEM. Save $126.22. As above, plus Scott 314 Tuner with metal case. Shpg. wt., 130 lbs.
20 HF 574. *Specify Finish.* **NET**..............**479.95**

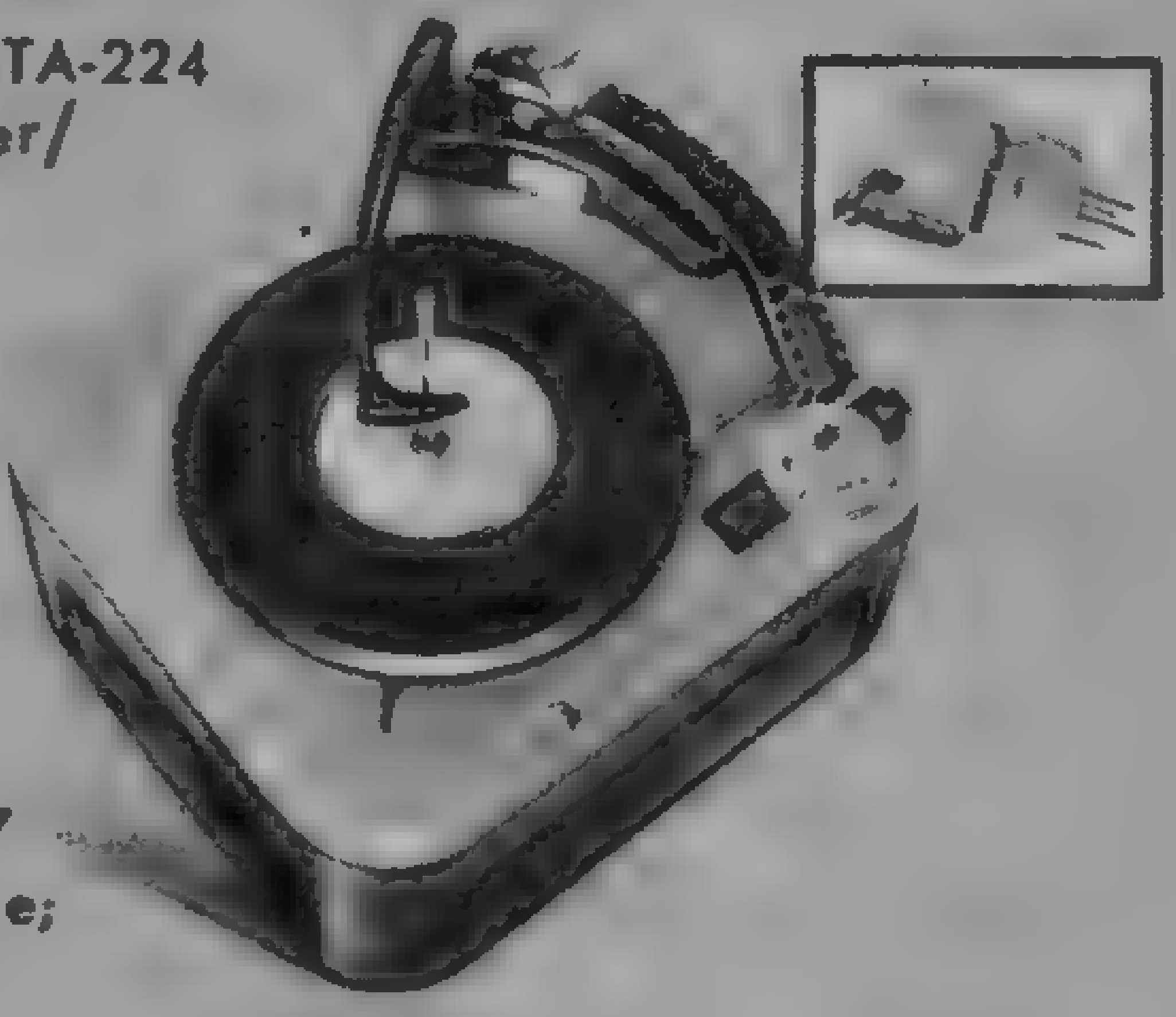
30-Watt Stereo FM-AM-Phono System with Harman-Kardon TA-224 Receiver

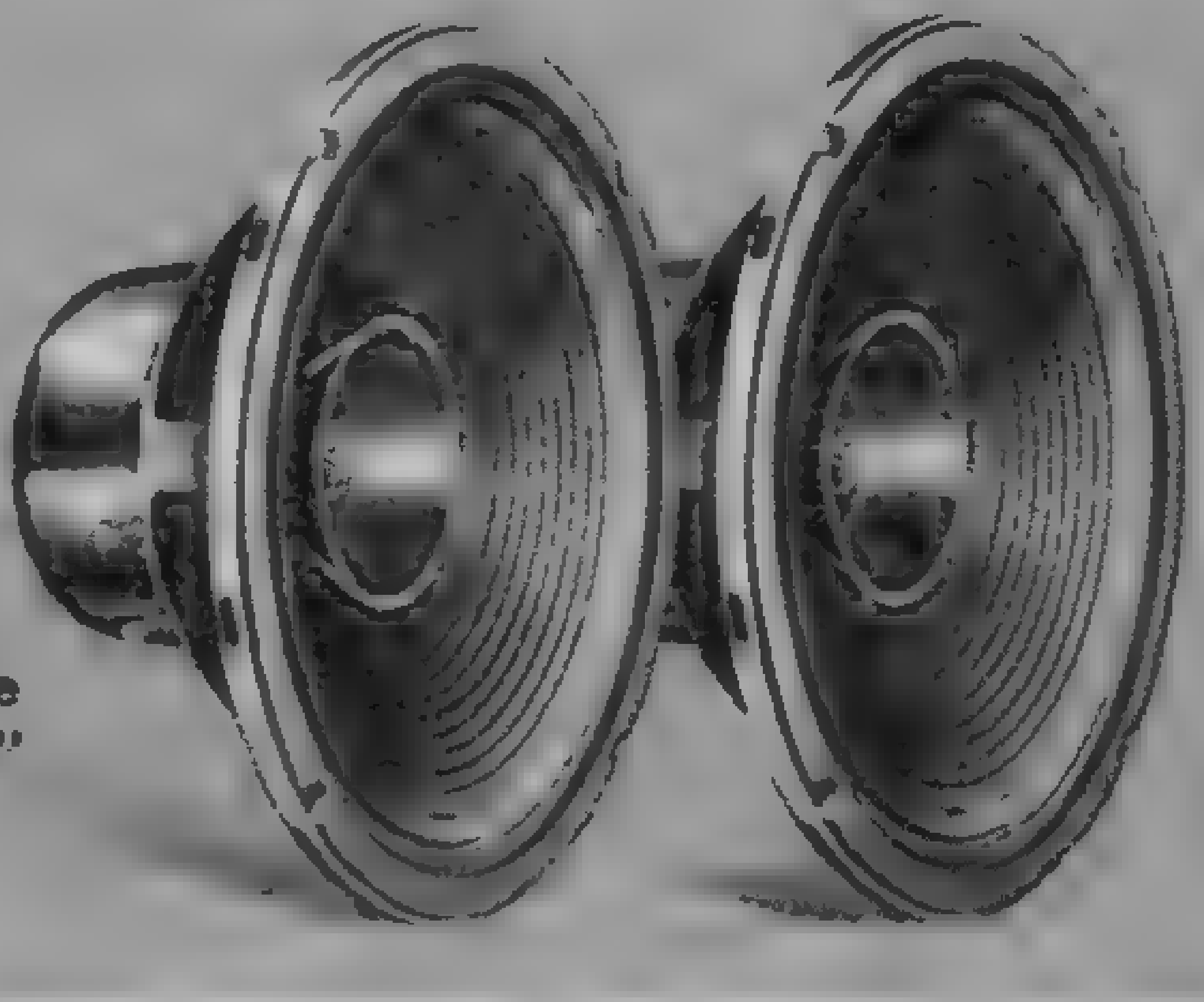
ONLY
$277^50
$10 down

SAVE $73.57 This custom stereo music ensemble is ideal in installations where speakers are wall-mounted or placed in custom-designed enclosures. "Heart" of the system is the H-K TA-224 Stereo Receiver—combination FM-AM tuner and 30-watt stereo amplifier all on a single compact chassis. Allows you to listen to stereo FM-AM simulcasts as well as stereo records. System includes: **Harman-Kardon TA-224 Stereo Receiver with Metal Case; Webcor 1031-27 Stereo Record Changer with Brown Metal Base; Pickering 90 Stereo Magnetic Cartridge with .0007" Diamond needle installed in arm; Two Electro-Voice SP-12B 12" Speakers.**

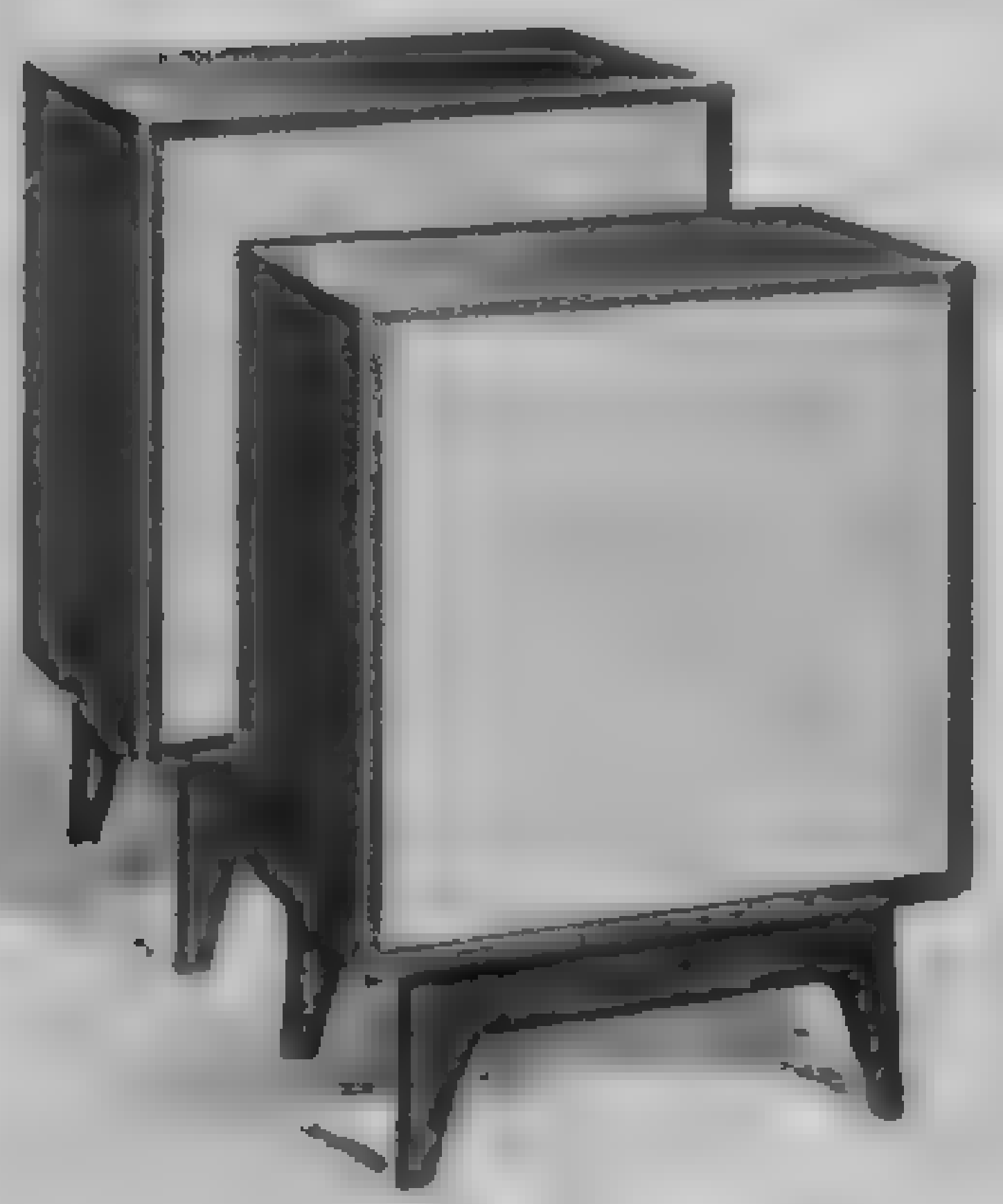
All components in the system are perfectly matched to the Barzilay H-100 Component Cabinet shown at bottom of page. System is also available with floor-standing enclosures (below). Shpg. wt., 70 lbs.
20 HF 554. *Only $10 Down.* NET. 277.50


Harman-Kardon TA-224
30-Watt Amplifier/
FM-AM Tuner


Webcor 1031-27
Changer with Base;
Pickering 90 Cartridge Installed

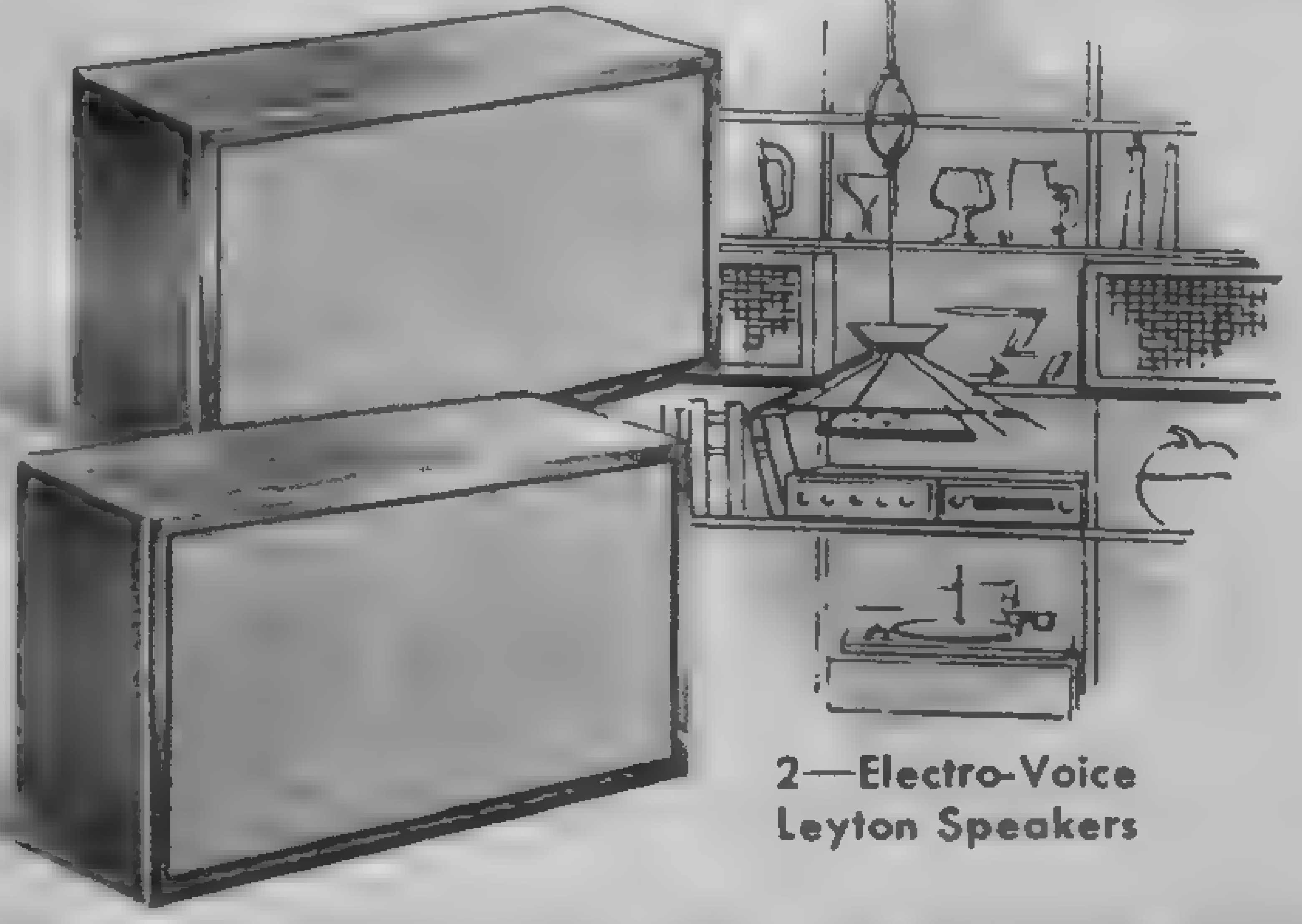

Two Electro-Voice
SP-12B "Radax"
Hi-Fi Speakers

WITH FLOOR-TYPE ENCLOSURES



Save $115.97 on the cost of individual components purchased separately. Includes all the outstanding components shown above, plus 2—Barzilay 1962B enclosures. Finished in elegant oiled walnut, with smart contrasting cane grilles. Speakers are installed—ready to use. Shpg. wt., 150 lbs.
20 HF 555. NET. . .435.00

Versatile 30-Watt Stereo FM-AM-Phono System with Shelf Speakers


2—Electro-Voice
Leyton Speakers

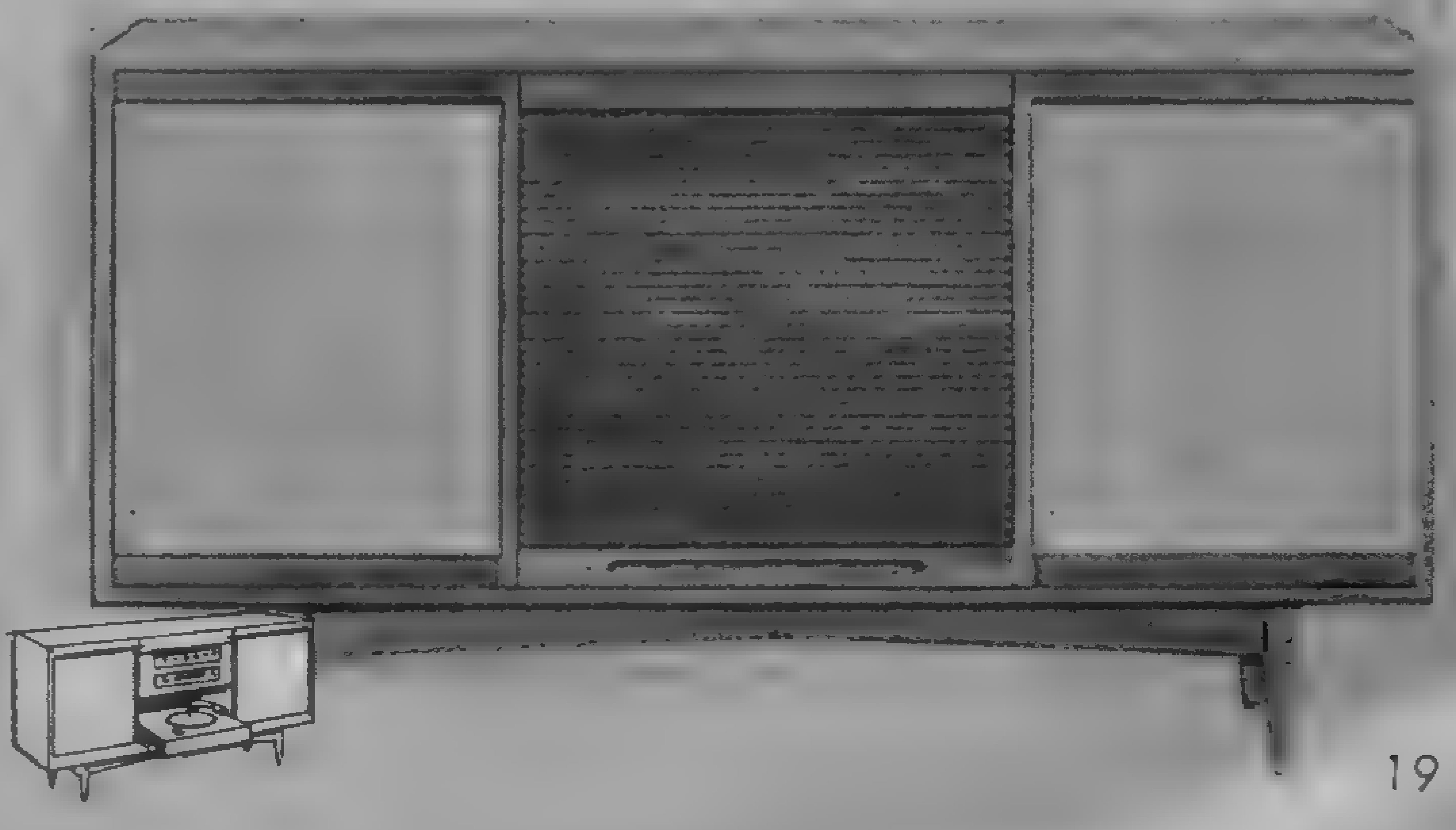
ONLY
$354^50
$10 down

SAVE $93.59 This compact, space-sparing system gives you unlimited placement possibilities. Includes all components shown above, but with Electro-Voice Leyton shelf-type 2-way speaker systems in place of the SP-12B speakers. Leyton systems are each only 14⅛" high, 24" wide and 12" deep. Finished on four sides, they give excellent performance placed in either lowboy or highboy positions. Set them along a wall, in corners or on a bookshelf or mantel. Give an elegant appearance in room dividers, etc. **Enclosures are available in choice of hand-rubbed mahogany or walnut finishes—specify when ordering.** Complete with all system "extras." Shpg. wt., 112 lbs.
20 HF 556. *Only $10 Down.* NET. 354.50

Barzilay H-100 Component Cabinet

NET
$179^50
$5 down

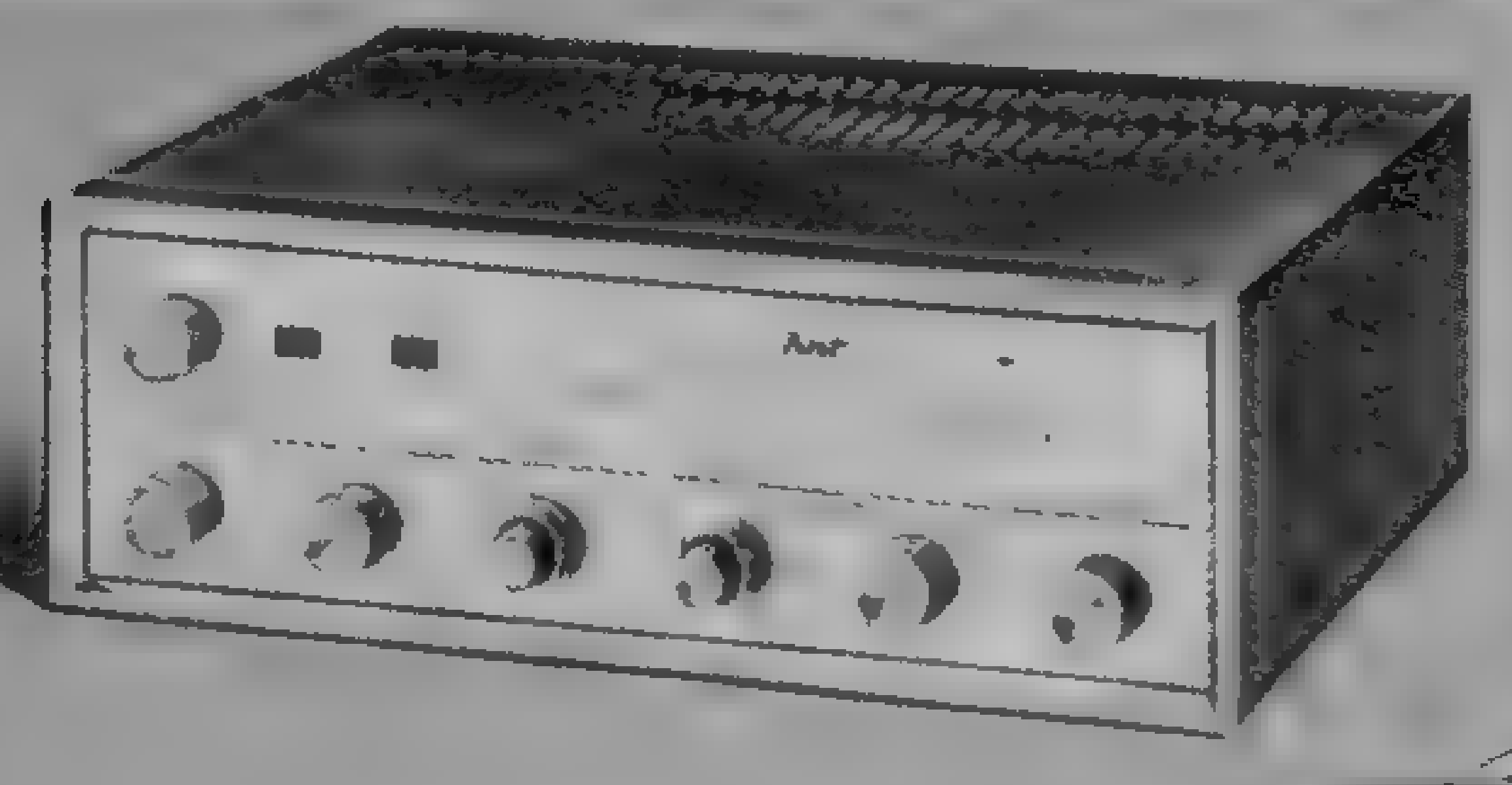
Exciting contemporary styling—expert craftsmanship and sound acoustic design keynote this "all-in-one" cabinet. Roll-up door conceals drawer with blank board for any record changer or turntable. Also has removable blank front panel, 22" wide and 10" high (15" behind panel) and tuner amplifier shelf. Speaker enclosures are pre-cut for 12" speakers. Unit is finished in elegant oiled walnut. Size, 32x60x18" (includes 8" legs). Shpg. wt., 135 lbs.
70 DZ 023. *$5 Down.* NET. 179.50



ALLIED-RECOMMENDED STEREO SYSTEMS

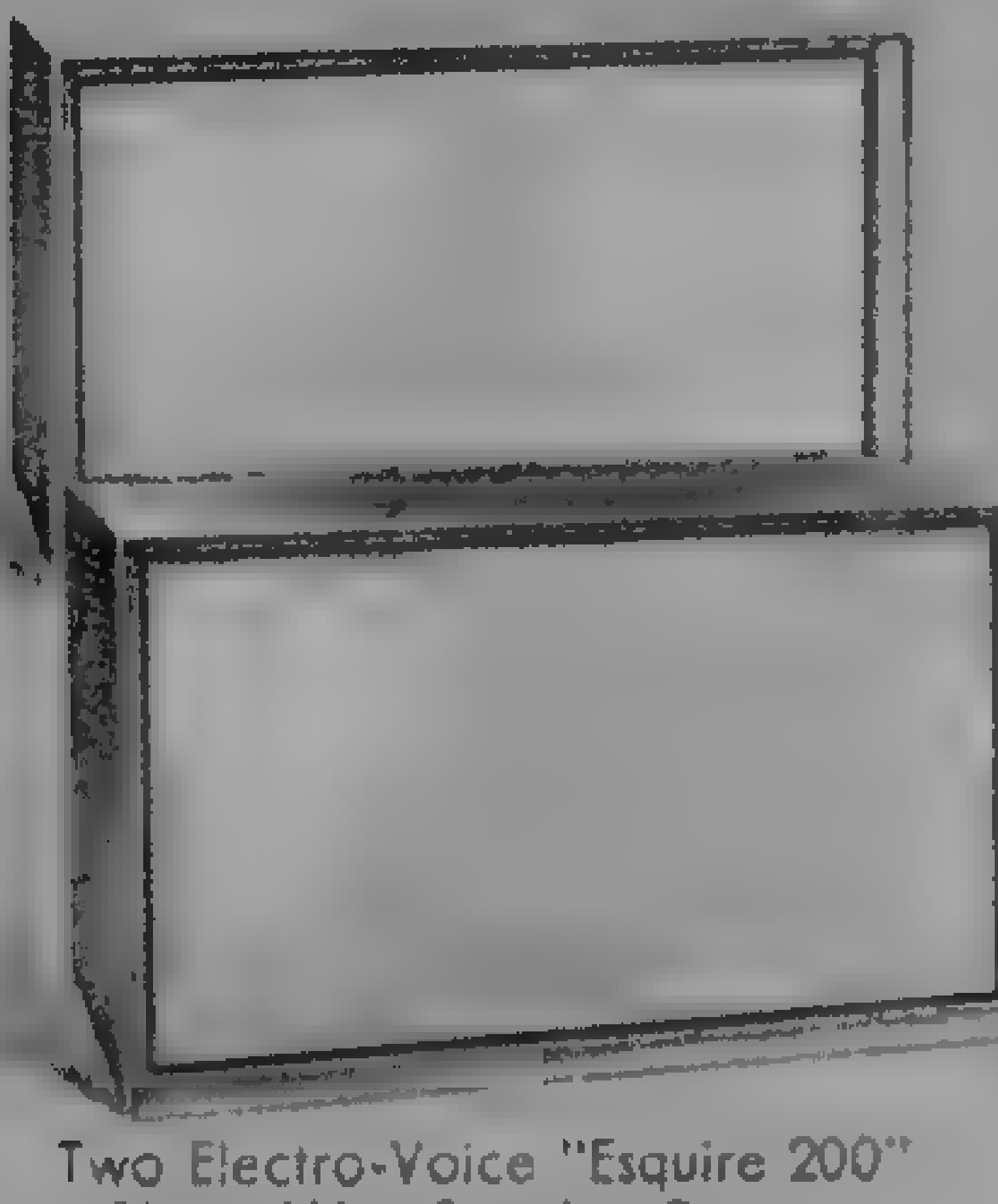
SELECTED WITH THE MUSIC LOVER IN MIND

The high-fidelity stereo music systems shown on these two pages were selected specifically for those who insist on the finest. Each of these systems consists of truly deluxe units that have been carefully matched in quality, performance, styling and operating characteristics. Individually, each component is of custom quality, superbly designed to play its part in a magnificent system. The most distinguished names in the industry have been brought together to give you high-fidelity at its best—music reproduction without compromise.



Pilot 240 30-Watt Stereo Amplifier

Garrard 4HF Manual Player with Base; G.E. VR-227 Cartridge, .0007" Diamond Needle



Two Electro-Voice "Esquire 200" Three-Way Speaker Systems

Pilot 480 Stereo FM-AM Tuner

30-Watt Stereo Phono System

ONLY

$\$373^{95}$

$10 down

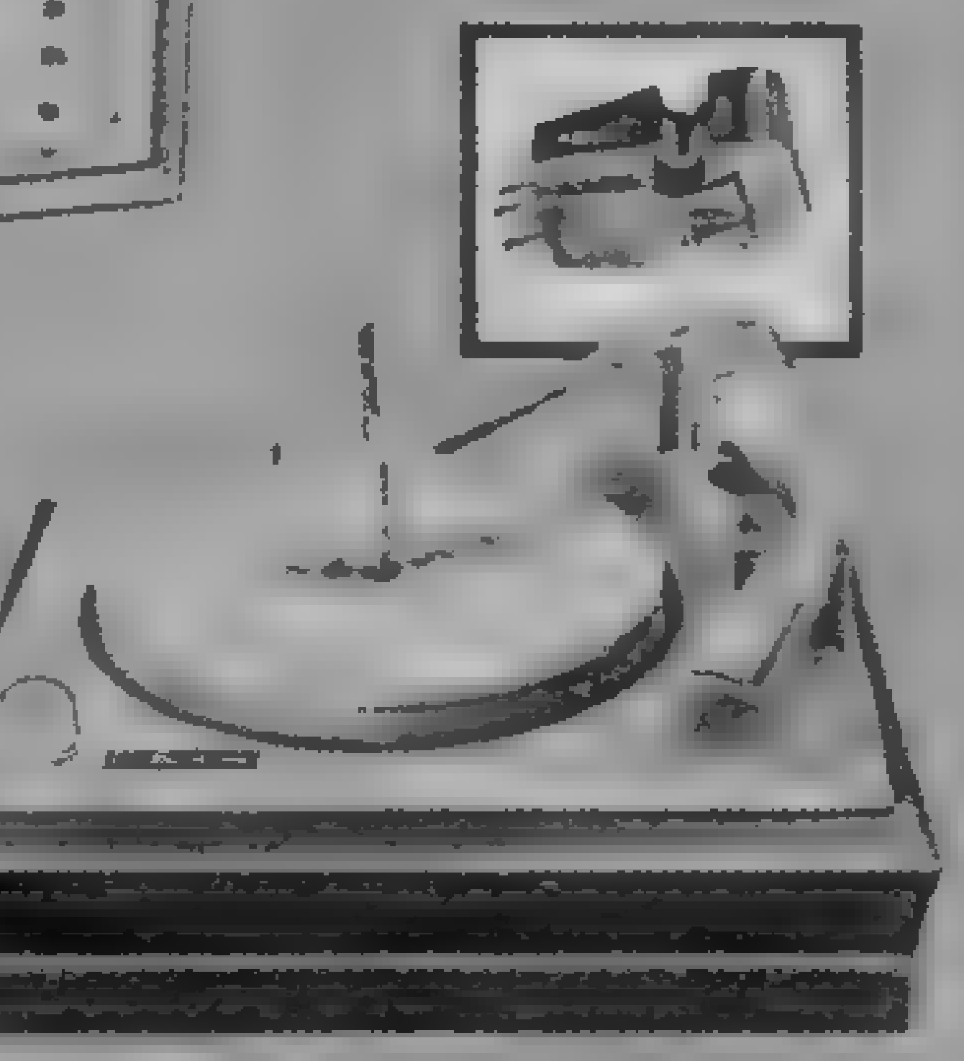
SAVE $99.87 On total cost of components purchased separately! Centered around the first-rate Pilot 30-watt stereo amplifier, this perfectly matched stereo phono system includes a host of wanted features. You get a full array of controls and inputs, plus Pilot's unique automatic shut-off switch which permits the record changer to turn off the amplifier automatically, after the last record has played.

System includes: **Pilot Model 240 30-Watt Stereo Amplifier with Case; Garrard 4HF Manual Player with Wood Base; G.E. VR-227 Magnetic Cartridge with .0007" Diamond Needle; two E-V "Esquire 200" 3-Way Speaker Systems; plus all of Allied's System Extras.**

The amplifier is beautifully styled in gold and black, while the 4-speed Garrard player features matching, black, chrome and white styling. E-V speaker systems are finished on four sides. **Player base and speaker systems in mahogany, limed oak or walnut.** Shpg. wt., 120 lbs. *$10 Down.*
20 HF 565. *Specify Finishes.* **NET**............373.95

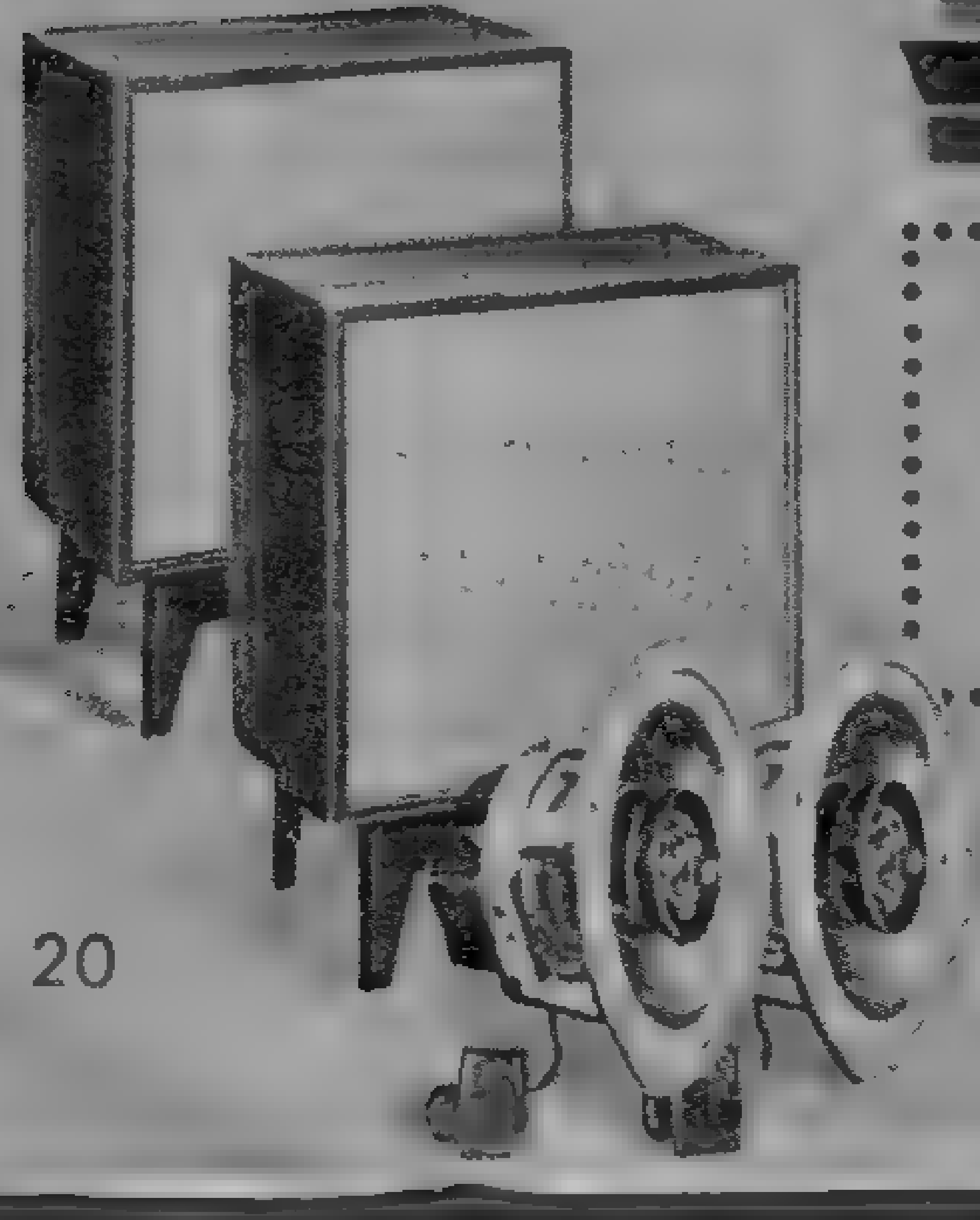
FM-AM-PHONO SYSTEM. System savings of $133.37. Includes all components of system above, **plus Pilot Model 480 Stereo FM-AM Tuner.** Has separate, independent FM and AM sections, and provision for adding FM multiplex adapter. Shpg. wt., 144 lbs. *$10 Down.*
20 HF 566. *Specify Finishes.* **NET**............499.95

Bogen AP-40 40-Watt Stereo Ampifier



Glaser-Steers GS-400 Record Changer with Wood Base; Shure M8D Cartridge with .0007" Diamond Needle

Bogen TP-40 Stereo FM-AM Tuner



2—University 312 12" Speakers in 2—Barzilay 1962B Enclosures

40-Watt Stereo Phono System

ONLY

$\$494^{50}$

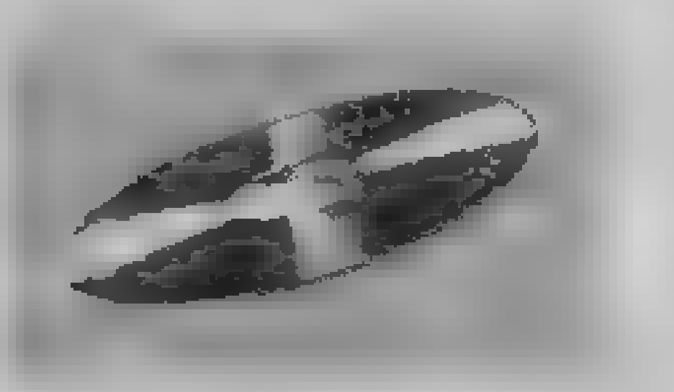
$10 down

SAVE $131.20 On total cost of components purchased separately! This system features some of the newest and finest hi-fi components available—gives you stereo or monophonic sound reproduction of cleanest quality. System includes: **Bogen AP-40 40-Watt Stereo Amplifier with Metal Case; Glaser-Steers GS-400 Changer with Wood Base; Shure M8D Magnetic Cartridge with .0007" Diamond Needle; and two University 312 12" Speakers installed in two Barzilay 1962B Speaker Enclosures.** Bogen's new amplifier has an illuminated indicator panel that instantly shows program sources and respective channels being used. Barzilay speaker enclosures employ a beautiful Danish Modern cradle base and imported Philippine grille fabric. **Changer base in ebony only; speaker enclosures in oiled walnut only.** Shpg. wt., 170 lbs.
20 HF 563. *Only $10 Down.* **NET**............494.50

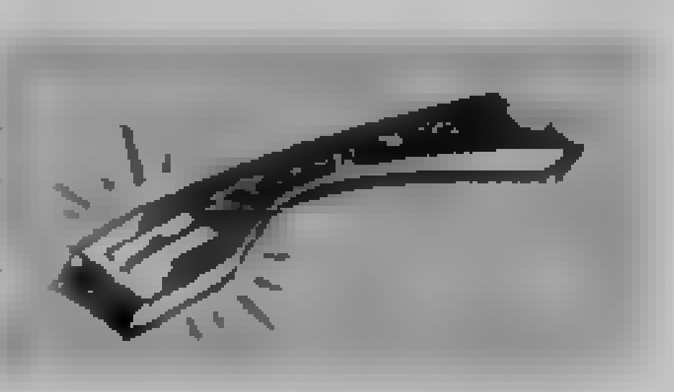
FM-AM-PHONO SYSTEM. System savings of $171.65! As above, but also includes **new Bogen TP-40 Stereo FM-AM Tuner with Metal Case.** Wt., 190 lbs.
20 HF 564. *Only $10 Down.* **NET**............653.50

ONLY $10 DOWN On any of the systems shown on these two pages. Allied's convenient Easy Pay Plan lets you choose regular or extended terms too!

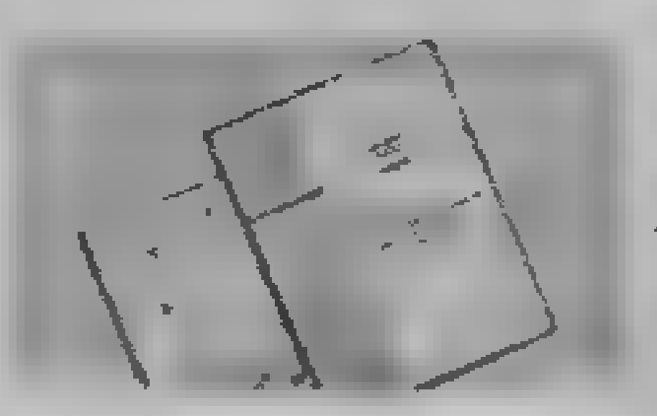
YOU GET ALL THESE "EXTRAS" IN ALLIED HI-FI SYSTEMS AT NO EXTRA COST



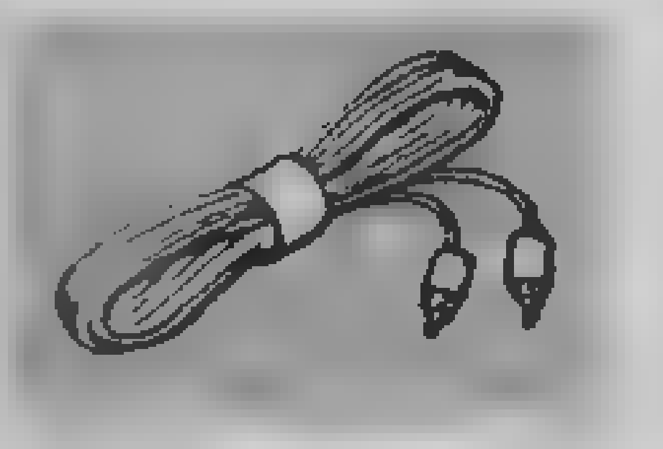
Free 12" Stereo Record. A marvelous demonstration record that contains a variety of musical selections, plus such dynamic sounds as train in motion, etc.



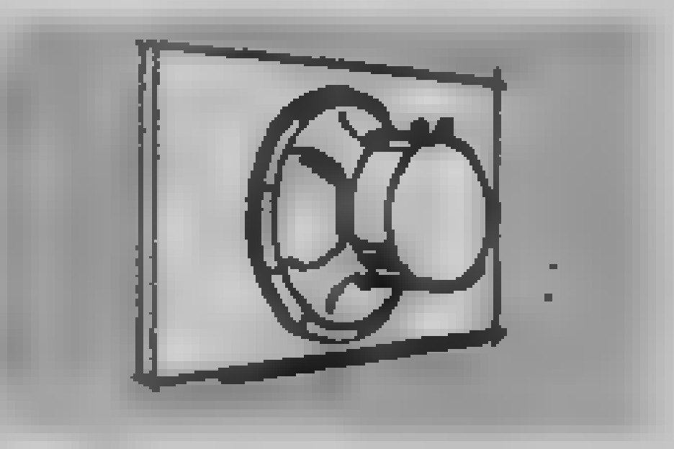
Pre-Set Stylus Pressure. Stylus pressure of turntable or changer is carefully pre-set by our technicians. No critical adjustments for you to make.



Helpful Manuals. An instruction book to help you get the most from your hi-fi system, plus manufacturer's booklets for each component in the system.



Cables and Connectors. Everything you need; two 15-ft. speaker cables, plus connecting cables. Color-coded plugs and receptacles—easy to connect!



Speakers Mounted. Securely fastened in place in the speaker enclosure (s) of your choice on all but do-it-yourself enclosure kits. Saves time, trouble.

Record and Needle Care Booklet plus Stereo Record and Tape Catalog. Walco's informative booklet on stylus care; Allied's listings of records and tapes.

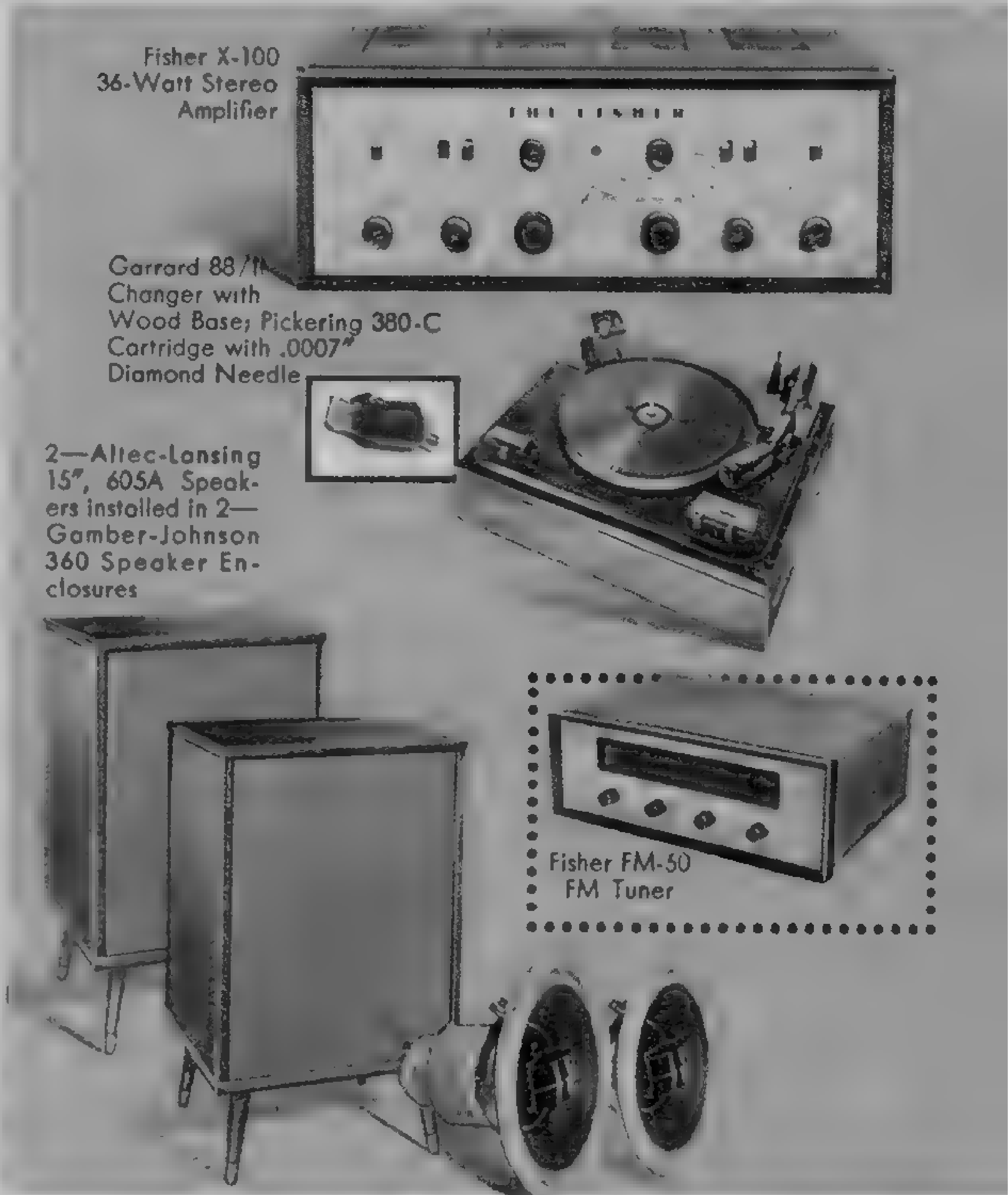
36-Watt Stereo Phono System

ONLY **$572.50** **$10 down**

SAVE $150.69 On total cost of components purchased separately! Featuring a blue-ribbon cast of components, this system can take a place in the most luxurious of settings. Fisher's X-100 combines a stereo master audio control with 36-watt stereo amplifier, to give you a total of seventeen front-panel controls and switches, including switch-controlled center-channel output, scratch and rumble filters, etc. Traditional Fisher styling lives up to its reputation for beauty too! System includes: **Fisher X-100 36-Watt Stereo Amplifier with Metal Case; Garrard 88/II Record Changer with Wood Base; Pickering 380-C Cartridge with .0007" Diamond Needle; two Altec-Lansing 605A 15" Duplex Speakers, installed in two Gamber-Johnson 360 Speaker Enclosures; plus all system extras.**

The British-made Garrard changer is a model of quiet operation and smooth record-handling. Pickering's 380-C cartridge offers superb performance and mu-metal shielding. The Altec speakers are world-renowned as hi-fi listening standards. **Changer base and speaker enclosures in mahogany and oiled walnut.** 195 lbs.

20 HF 569. *Specify Finish.* NET..............572.50


Fisher X-100 36-Watt Stereo Amplifier
THE FISHER
Garrard 88/II Changer with Wood Base; Pickering 380-C Cartridge with .0007" Diamond Needle
2—Altec-Lansing 15", 605A Speakers installed in 2—Gamber-Johnson 360 Speaker Enclosures
Fisher FM-50 FM Tuner

FM-AM-PHONO SYSTEM. System savings of $182.64! Includes all of the components above, plus **the Fisher FM-50 FM Tuner with Case.** Extremely sensitive; has four IF stages with full limiting action, plus inter-station noise muting control. Shpg. wt., 210 lbs. *$10 Down.*

20 HF 570. *Specify Finish.* NET..............686.00

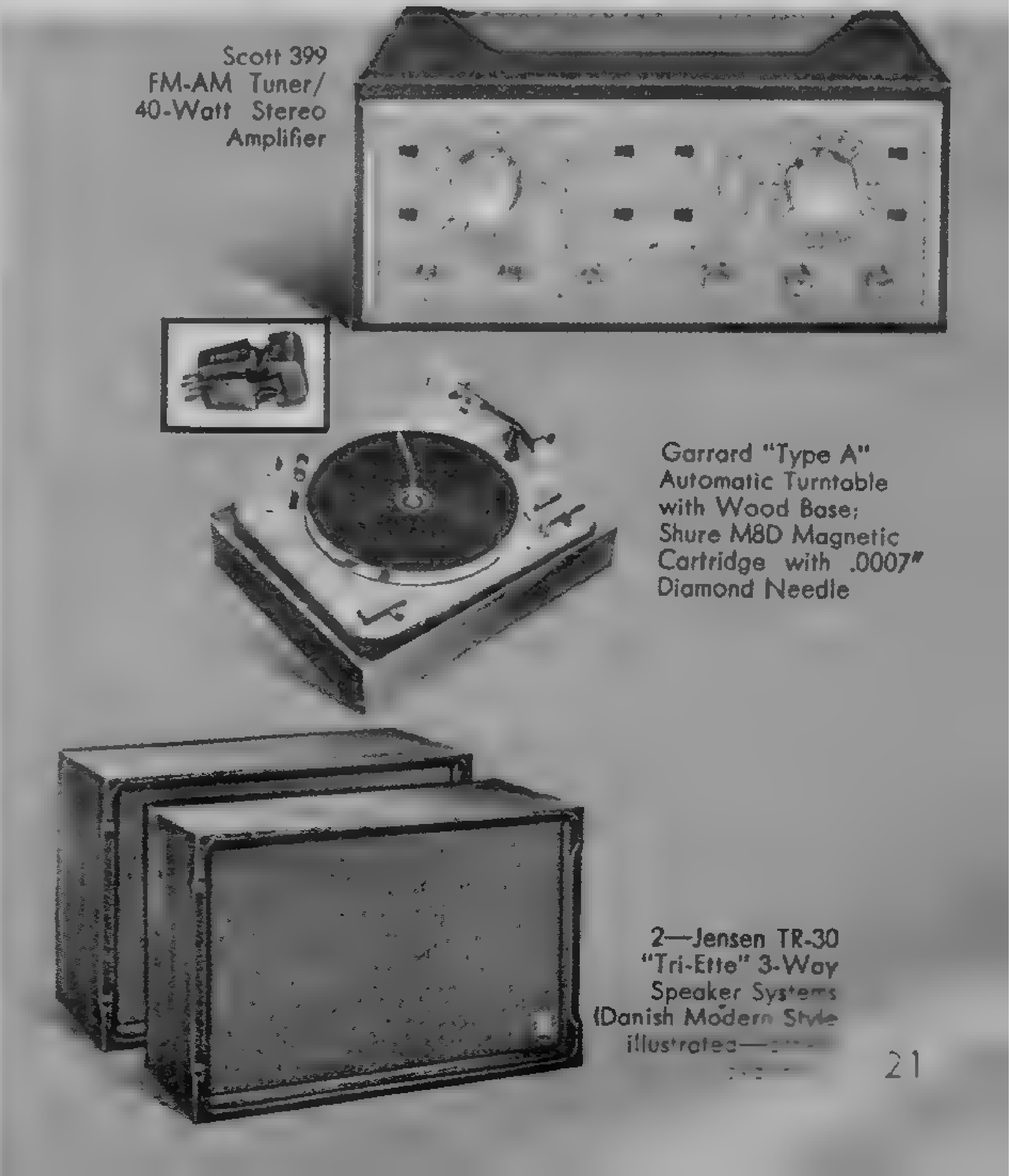
FM-AM-Phono Stereo System

ONLY **$654.00** **$10 down**

SAVE $175.06 On this super-quality, complete FM-AM-Phono system! Offers the brilliant performance that only component high-fidelity can give you, with the flexibility of installation that these space-saving units make possible. System includes these deluxe components: **Scott 399 Stereo FM-AM Tuner/40-Watt Stereo Amplifier with Metal Case; Garrard "Type A" Lab Series Automatic Turntable with Wood Base; Shure M8D Magnetic Cartridge with .0007" Diamond Needle; and two Jensen TR-30 "Tri-Ette" 3-Way Speaker Systems.**

Scott's magnificent 399 tuner/amplifier gives you an FM-AM tuner and 40-watt stereo amplifier on a single chassis. Garrard's "Type A" changer is actually an automatic record changer with professional turntable specifications. Jensen's TR-30 speaker systems are available in four styles and finishes: Traditional (mahogany), Contemporary (limed oak), French Provincial (cherry) and Danish Modern (oiled walnut)—grille cloths vary to match styling. Changer base in mahogany, blonde or walnut. **Please be sure to specify enclosure styles and finishes when ordering.** Shpg. wt., 146 lbs.

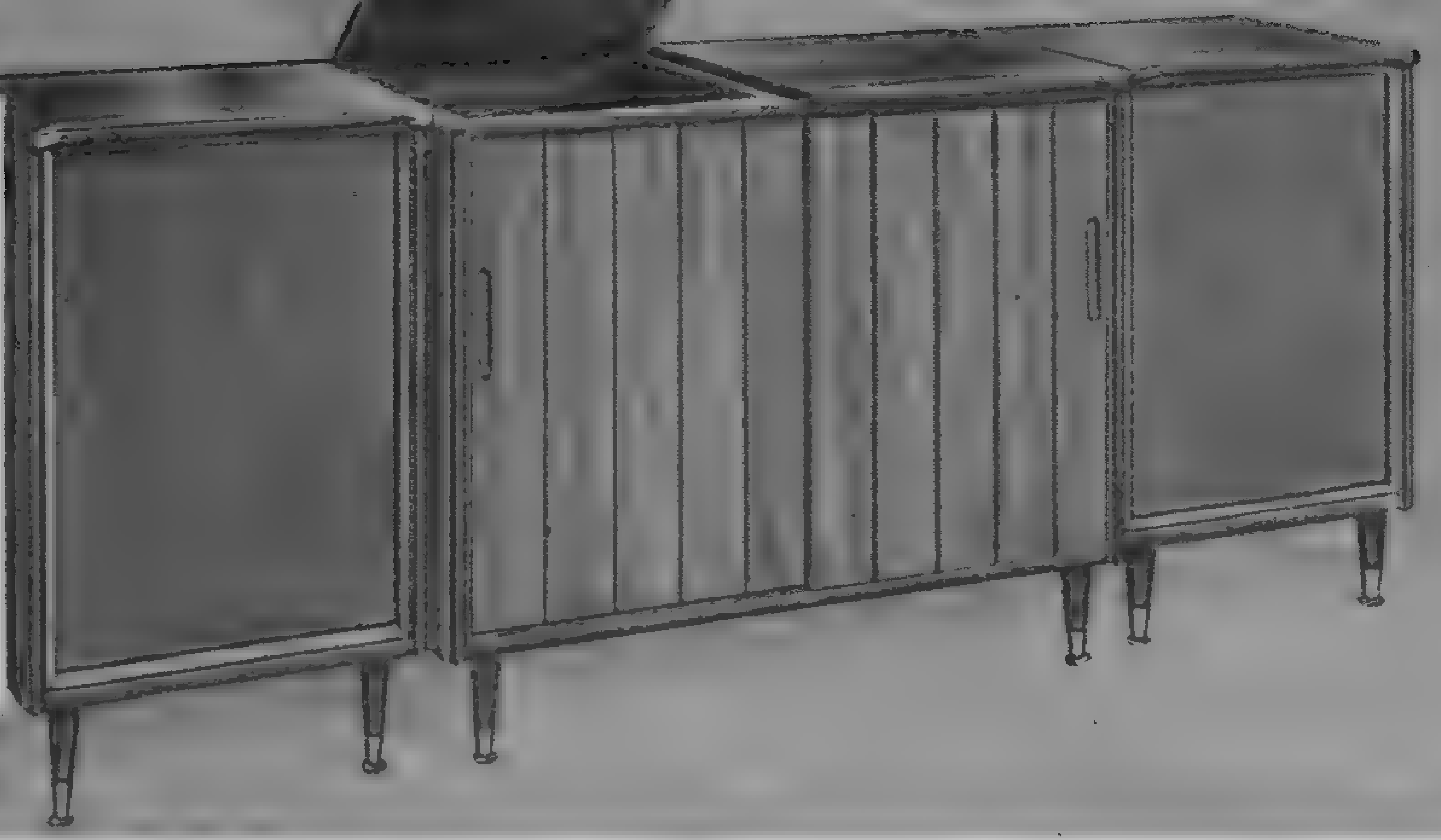
20 HF 575. *Only $10 Down.* NET..............654.00

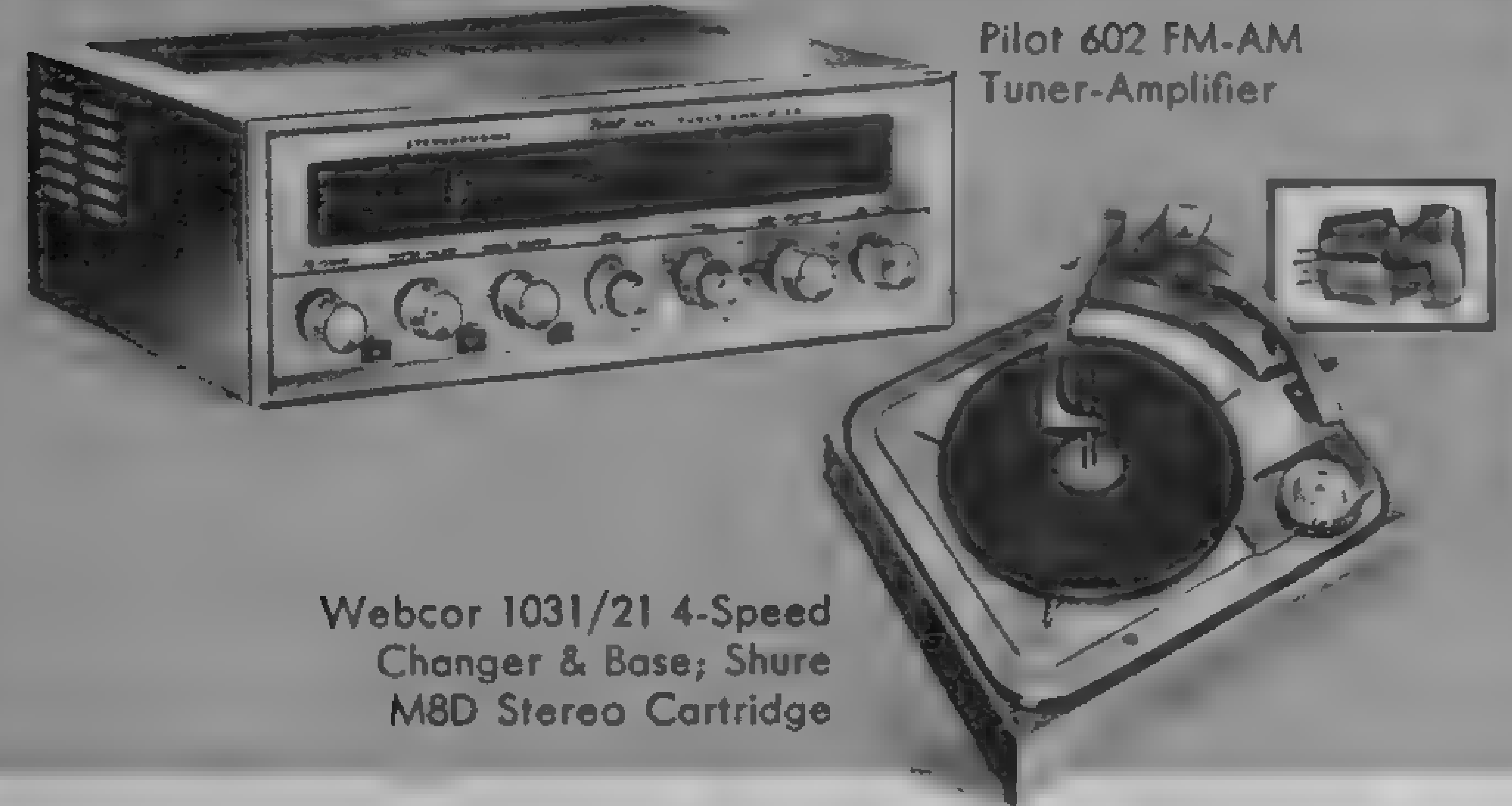

Scott 399 FM-AM Tuner/40-Watt Stereo Amplifier
Garrard "Type A" Automatic Turntable with Wood Base; Shure M8D Magnetic Cartridge with .0007" Diamond Needle
2—Jensen TR-30 "Tri-Ette" 3-Way Speaker Systems (Danish Modern Style illustrated—

15-DAY TRIAL, MONEY-BACK GUARANTEE with any Allied Music System. Place your order on our regular cash terms or Easy Pay Plan—your satisfaction is absolutely guaranteed.

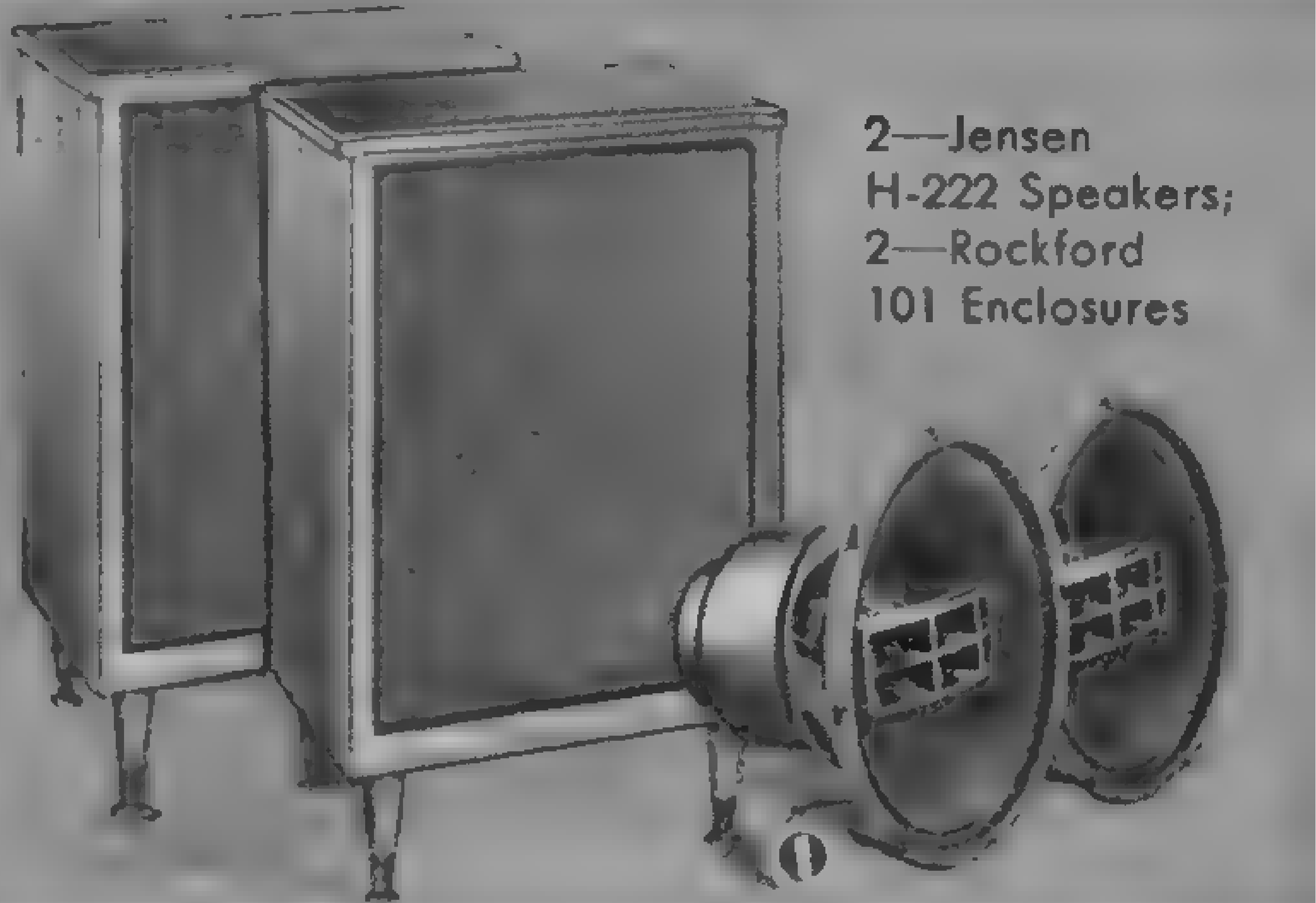
FINE EQUIPMENT CABINETRY TO HOUSE YOUR STEREO SYSTEM

Allied stocks the world's largest selection of fine furniture cabinetry to house your music system. Whatever your taste—distinctive design, striking styling, eye-catching elegance—you'll find the cabinet of your choice listed in this section of the catalog.




Pilot 602 FM-AM Tuner-Amplifier

Webcor 1031/21 4-Speed Changer & Base; Shure M8D Stereo Cartridge


2—Jensen H-222 Speakers; 2—Rockford 101 Enclosures

Deluxe FM-AM-PHONO Stereo System Featuring Pilot 602 Tuner-Amplifier

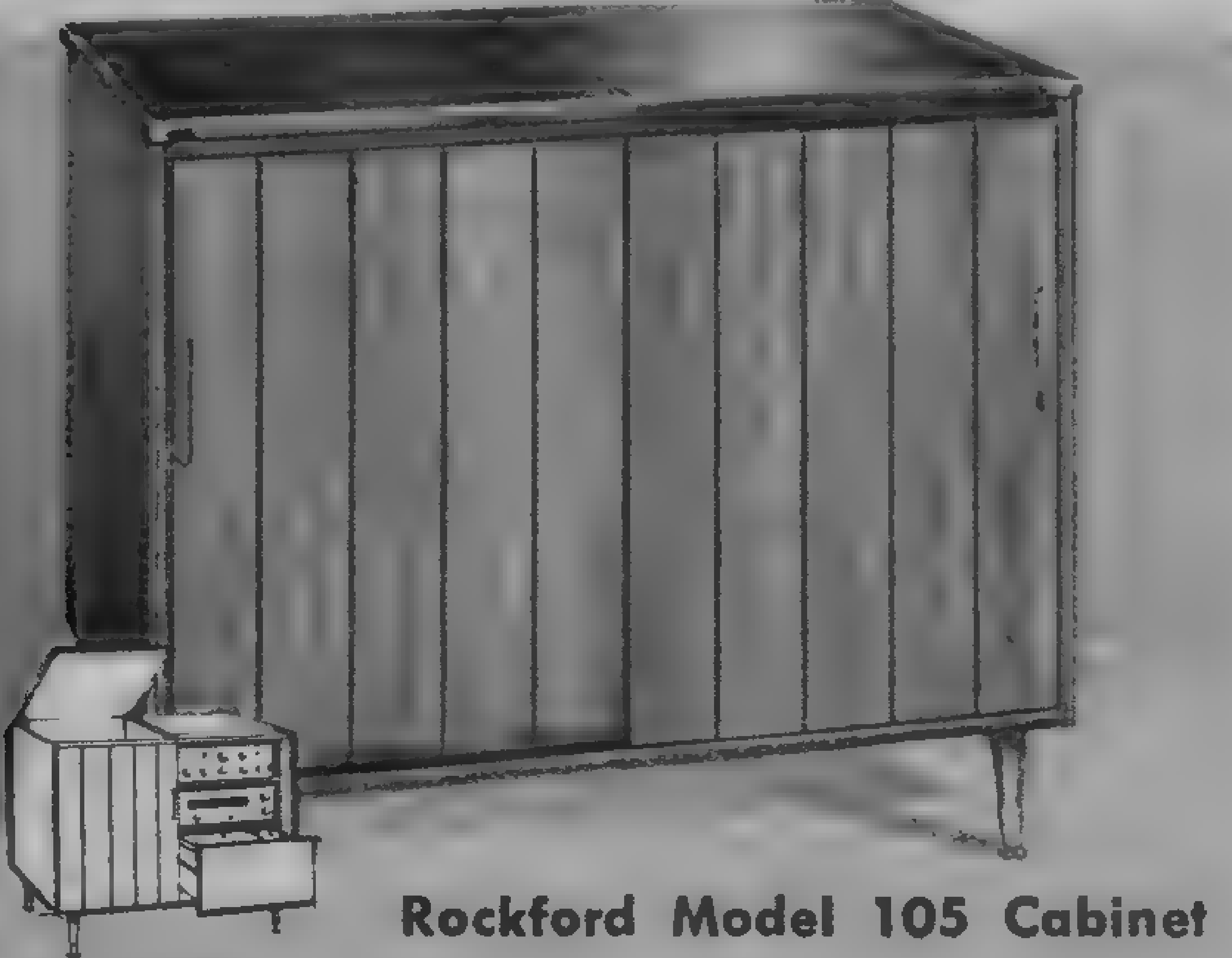
ONLY

$439.50

$10 down

SAVE [illegible] Sparkling stereo sound with this marvelous array of matched and balanced components—at substantial savings over the total cost of components if purchased separately. Centered around Pilot's all-in-one 602 FM-AM stereo tuner/30-watt stereo amplifier, this fine music ensemble delivers full-dimensional sound from both FM-AM broadcasts and records. Ultra-smart styling makes this system ideal for any furnishing mode.

Complete system includes: **Pilot 602 Stereo FM-AM Tuner/Stereo 30-Watt Amplifier; Webcor 1031/21 4-Speed Record Changer and Base; Shure M8D Stereo Cartridge with Diamond LP Needle; two Jensen H-222 12" Coaxial Hi-Fi Speakers; two Rockford 101 Speaker Enclosures; plus all of Allied's famous system extras.** Excellent for custom-mounting in equipment cabinet listed below, left. Changer and base finished in golden beige and brown. **Speaker enclosures in choice of mahogany, blonde or walnut.** Shpg. wt., 167 lbs. *$10 Down.*
20 HF 567. *Specify Finish.* **NET**..............439.50



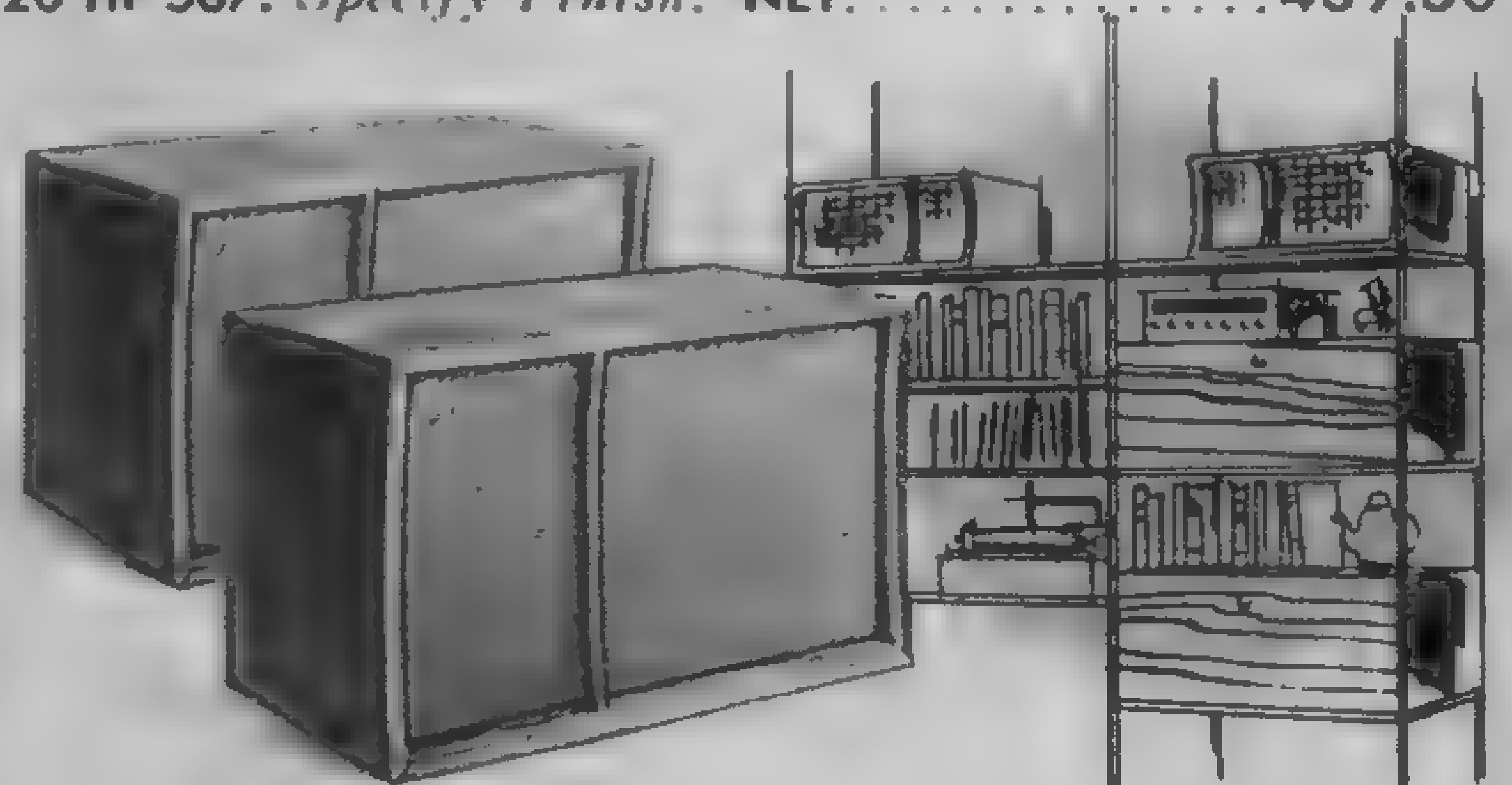
Rockford Model 105 Cabinet

NET

$119.95

$5 down

A master-crafted equipment cabinet designed to house all components of a stereo system except the speakers. Also has ample space for record storage. 32½x40x19½". Finished in hand-rubbed veneers to grace any motif. **In mahogany, blonde or oiled walnut—specify.** Wt., 113 lbs.
70 DZ 463C. *$5 Down.* **NET**..119.95



Above System with Alternate Speakers

ONLY

$426.50

$10 down

Same deluxe FM-AM-Phono stereo music ensemble described above, but with two Wharfedale '60 speaker systems in place of the Jensen speakers and Rockford enclosures—yours at big savings of $113.39. Wharfedale's newest shelf-type speaker system employs the sand-filled baffle principle for full, rich bass response. Features a highly effective combination of specially designed 3" tweeter, 12" woofer plus crossover network. Excellent for either vertical or horizontal placement. **Speaker enclosures in mahogany or oiled walnut.** Shpg. wt., 133 lbs. *$10 Down.*
20 HF 568. *Specify Finish.* **NET**..............426.50

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you get more for your money in every way with

KNIGHT
A PRODUCT OF ALLIED RADIO CORPORATION

high-fidelity components

Built to Allied's highest standards, you get more in features, performance and enduringly attractive styling . . . more in overall quality and dependability. You get maximum value for your hi-fi dollar.

[illegible]

You get quality that is absolutely equal to the best, yet you pay far less because:

- ✓ Knight components are an Allied exclusive—designed and built to the highest audio standards. You buy DIRECT from us—savings made possible by direct selling are passed on to you . . .
- ✓ Our leading position in electronics enables us to produce, stock, and distribute Knight hi-fi products in tremendous quantities. This means minimum cost per unit—and far less cost to you . . .
- ✓ Our leadership in hi-fi enables us to know the needs of music lovers everywhere—and to translate this knowledge into actual audio instruments without costly trial-and-error.

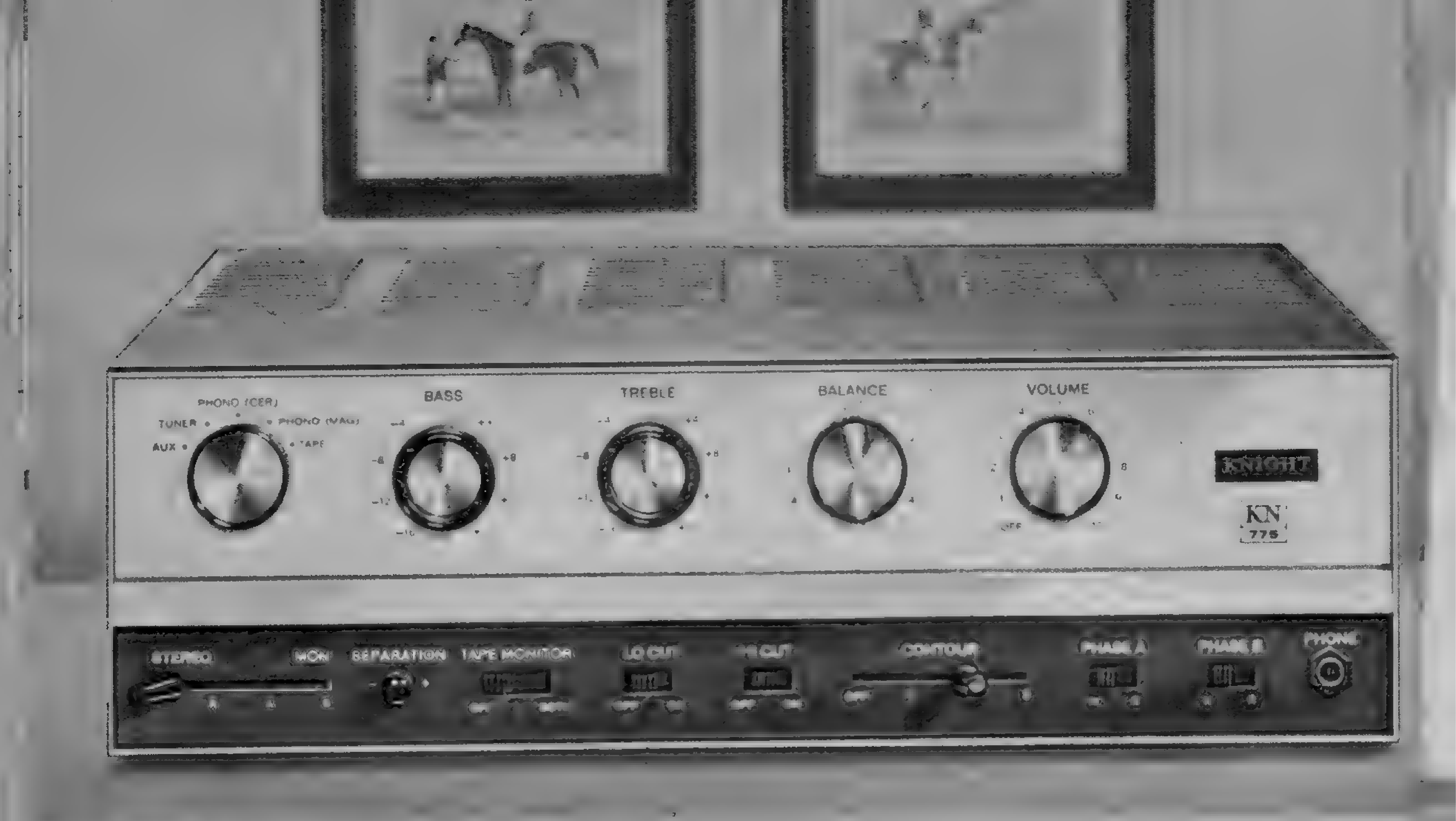
advanced design, verified specifications. Skilled engineers employ every advancement in audio science . . . leading electronic and acoustic labs are consulted . . . first-rank industrial stylists complete the design. Final specifications are verified by the Knight development-engineering team.

rigid quality control. Manufacture of Knight hi-fi components is entrusted to experienced, well-equipped facilities in the U.S. or England. Our deep interest in your satisfaction demands rigid inspection and test at every stage of manufacture. That's why we guarantee performance to meet or exceed our published specifications.

Money-Back Guarantee

If within 15 days you are not completely satisfied with your Knight high-fidelity component, return it. We will promptly refund your full purchase price, less only transportation charges.

Full One-Year Warranty . . . Knight components are also covered by Allied's one-year warranty against defects in material and workmanship. When you buy Knight, you can buy with complete confidence.



KNIGHT

New 75-Watt Stereo Amplifier—A Design Classic

NET

KN 775 **$169⁵⁰**

$5 down

CERTIFIED 96-WATT IHFM MUSIC POWER RATING

- ✓ Conservative 37½-Watt Per Channel Power Rating—The Most Powerful Knight Hi-Fi Amplifier Ever Made
- ✓ Military-Type Terminal Board Construction for Unsurpassed Circuit Reliability
- ✓ Dependable, Hermetically-Sealed Silicon Rectifiers for Exceptional Power Regulation

- New Terminal Board Construction as Used in High-Reliability Scientific and Military Equipment
- Special-Design Output Circuitry; Maximum Power and Lowest Distortion
- Extra Output Terminals for Third Channel Stereo Use Without Employing an Extra Amplifier
- New Stereo Headphone Jack on Front Panel Automatically Shuts off Regular Speakers; Has Safety-Gate Circuit
- New Tape Monitor Switch for Stereo Recording; Can Be Used to Monitor Both Channels, or Either Channel Separately While Recording
- New Dual Volume Control—Prevents Overload and Improves Signal-to-Noise Ratio
- Unconditionally Guaranteed for One Full Year—The Finest, Most Powerful Knight Stereophonic Amplifier
- Conservatively Rated, Premium-Grade Components Used Throughout; Rugged Transformers Total 21 Lbs.

Always in step with the times, and constantly in touch with every field of electronics, superb Knight engineering has incorporated the finest and most advanced techniques in the creation of this incomparable stereo amplifier. The KN-775 includes every feature, every specification demanded for exacting fidelity of reproduction. All component parts operate at well below maximum ratings for great stability and extremely long life. Four high-precision EL34 audio output tubes are used in its advanced output circuitry for extremely linear operation—check its outstanding hi-fi specifications on the following page.

In addition to the latest circuit developments, the KN-775 offers these outstanding features: provision for an optional center-channel speaker for a third (mixed) channel of sound with no need for an extra amplifier—may also be used with an extension speaker for monophonic listening in another room; Dual Phasing switches permit phase matching of all three speakers for best bass reproduction and authentic stereo; special headphone jack on front panel which automatically silences speakers when headphones are plugged in for private stereo listening—electronic "safety-gate" circuit reduces headphone volume, regardless of amplifier setting, to prevent blasting of sound or damage to headphones.

New Tape Monitor switch permits you to monitor your own stereo tape recordings, as you record; accepts new Knight KN-701 Reverberation Unit. Positive circuit-breaker protection—no fuses to replace, ever! The KN-775 is equipped with a massive, solid aluminum front panel in gleaming gold finish; case (included), is color-styled in a highly pleasing beige. Made in U.S. 4⅞x15¾x15⅛". For 110-120 v., 50-60 cycle AC. Shpg. wt., 36 lbs.
35 DU 773. *Only $5 Down.* NET..........................169.50

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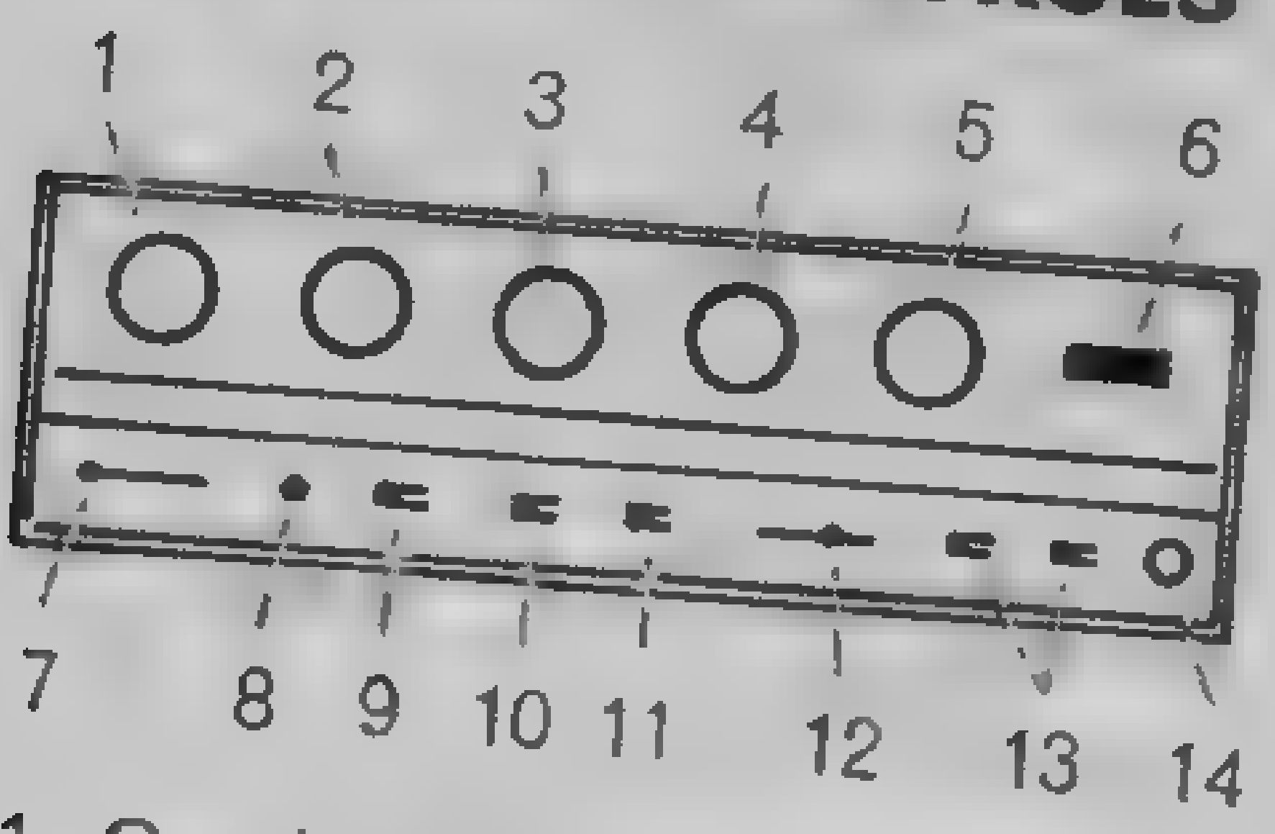
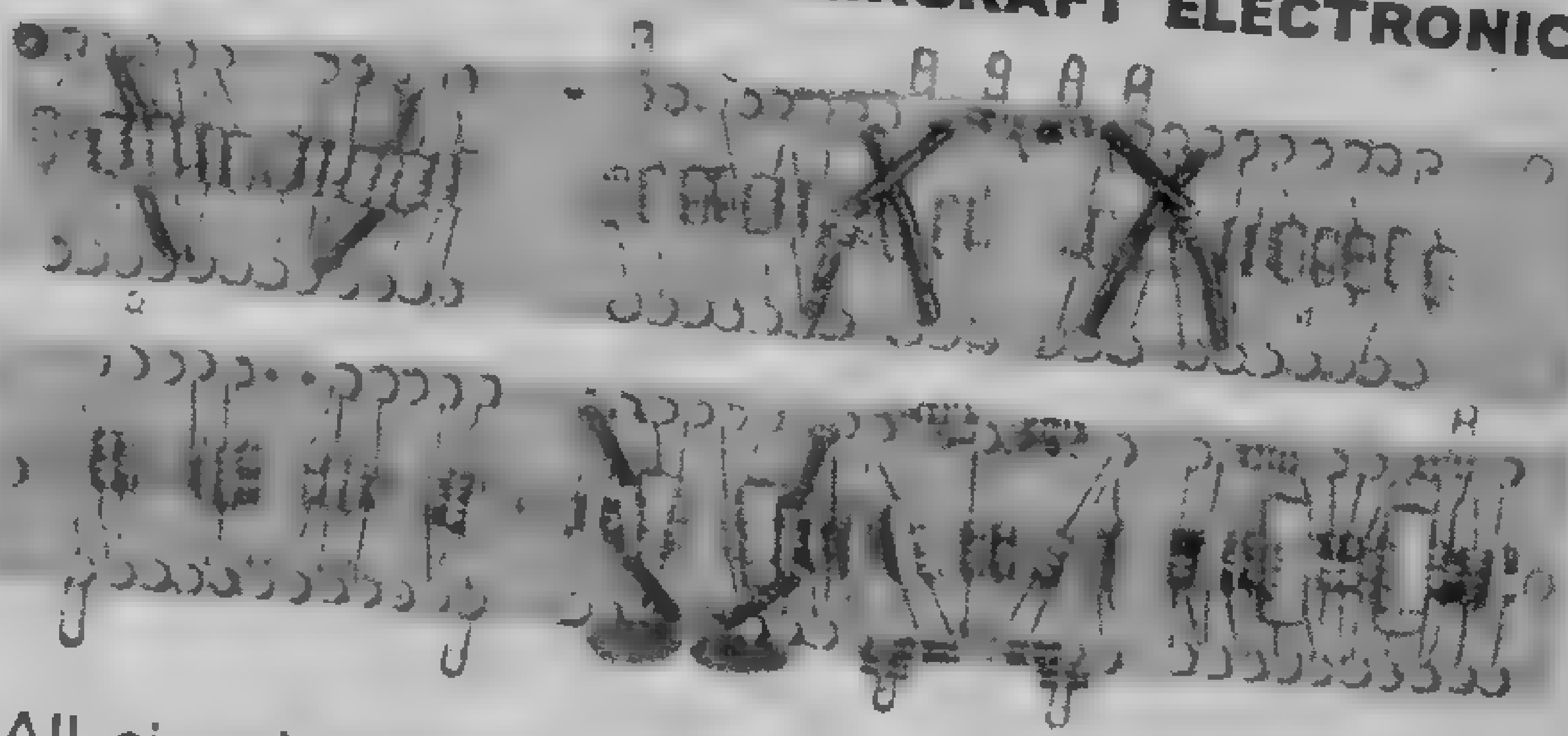
ALL YOU'LL EVER NEED IN STEREO CONTROLS



1. One-knob Input Selector switch.
2. Dual-concentric Bass controls.
3. Dual-concentric Treble controls.
4. Stereo Balance control.
5. Dual Master Volume control.
6. Pilot light Off-On Indicator.
7. Stereo Reverse and Function (Mode) selector switch.
8. Stereo Separation control.
9. Tape Monitor switch.
10. Bridge-T Rumble filter.
11. Bridge-T Scratch filter.
12. 4-position Loudness-Contour selector switch.
13. Dual Phasing switches.
14. Stereo Headphone jack.

Military-Type Terminal Board Circuitry

AS USED IN MISSILE AND AIRCRAFT ELECTRONICS



All signal circuitry of the KN-775 is mounted on terminal boards, completely isolated and shielded from power circuitry, virtually eliminating possibility of hum pickup. This type of construction ends sagging or shifting of leads or components—all tolerances are held to rigid limits. Accidental "shorts" are eliminated and uniformity of performance is absolutely assured. Every KN-775 offers the same superior operation.

SPECIFICATIONS

Rated Power Output: 37.5 watts per channel; minimum IHFM music power, 96 watts. Maximum usable power per channel, 60 watts.

Frequency Response: ±0.5 db, 25 to 20,000 cps at 37.5 watts per channel. IHFM power bandwidth, 15 to 85,000 cps.

Harmonic Distortion: Less than 0.5% at full rated output.

IM Distortion: Less than 2% at 37.5 watts.

Hum and Noise: 83 db below full rated output (Aux); —83 db (Tuner); —63 db (Phono); —54 db (Tape).

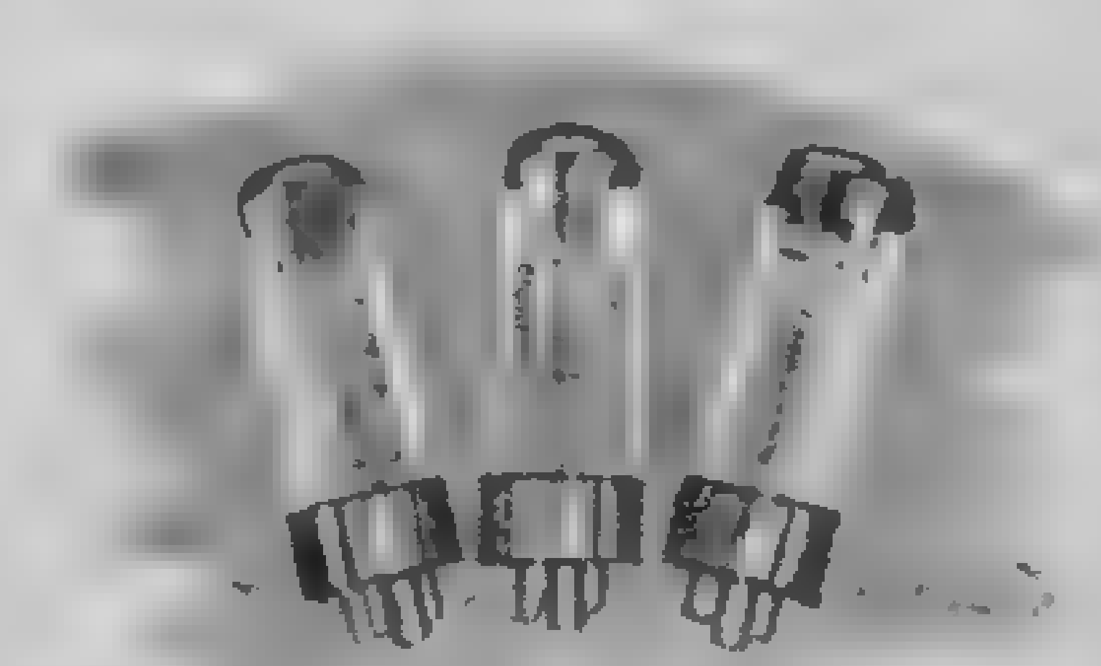
Sensitivity: Aux, Ceramic, Phono, and Tuner inputs, 200 mv; Magnetic Phono, 4.5 mv; Tape Head, 3.55 mv. (Figures denote sensitivity for full rated output.)

Tube Complement: 6—7330/ECC83/12AX7 premium-type twin-triodes; 4—EL34 high-precision screen-grid tetrodes; selenium-bridge filament rectifier; hermetically sealed silicon HV rectifiers.

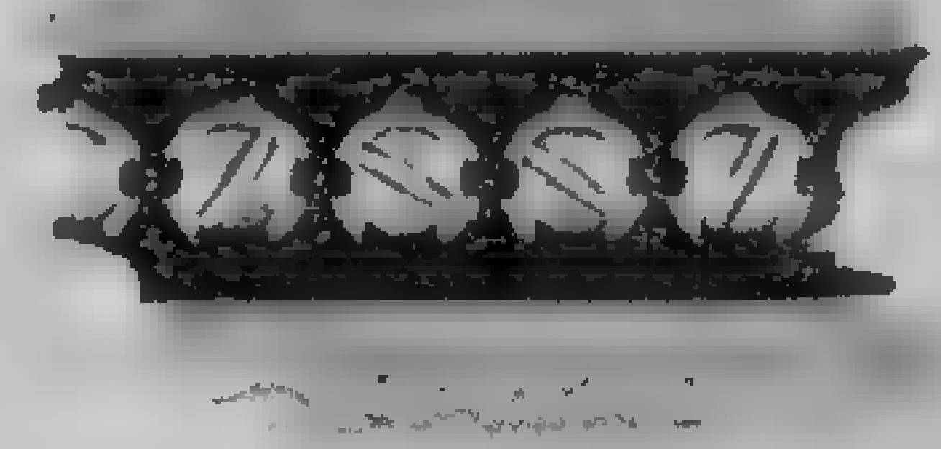
Output Impedances: 4, 8, and 16 ohms each channel; plus center-channel output. Input Level Controls (6); Mag Phono, Tuner and Aux.

Guaranteed for One Full Year

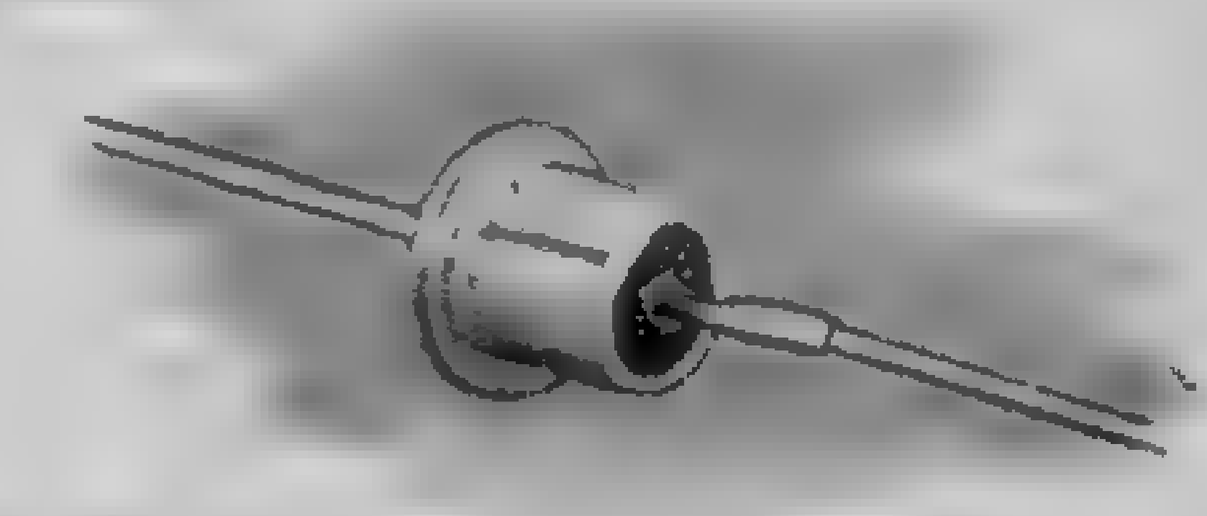
Feature Highlights of the KN-775 Amplifier



TREMENDOUS POWER; LOW DISTORTION
Gives you all the *clean power* you will ever need—develops a peak punch of over 50 watts per channel, RMS!



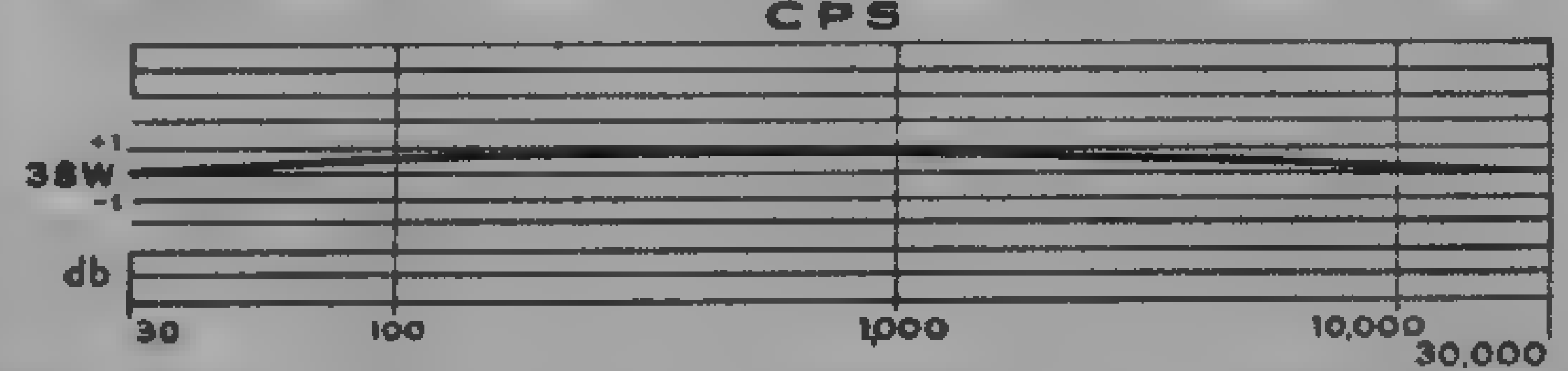
TERMINALS FOR ADDING MID-CHANNEL SPEAKER
Terminals for connecting an optional center-channel speaker—no need to add an extra amplifier for this purpose.



NEW SILICON RECTIFIERS
Cool-running and dependable, these new hermetically sealed, military-type units provide extremely efficient power regulation and reliable service.

NEW STEREO HEADSET JACK
Located on the front panel for easy accessibility; features Safety-Gate circuit. (See Knight speaker pages for stereo headset.)

GRAPHIC PROOF OF LINEAR OPERATION



Note the response curve in the graph above. Even at high power outputs, you get flawless reproduction, with phenomenally low distortion—positive proof of performance!

KNIGHT

Supreme Quality—Our Finest Stereo FM-AM Tuner

PERFORMANCE AND FEATURES COMPARE TO TUNERS COSTING MUCH MORE

KN 125B

ONLY

$139.95

$5 DOWN

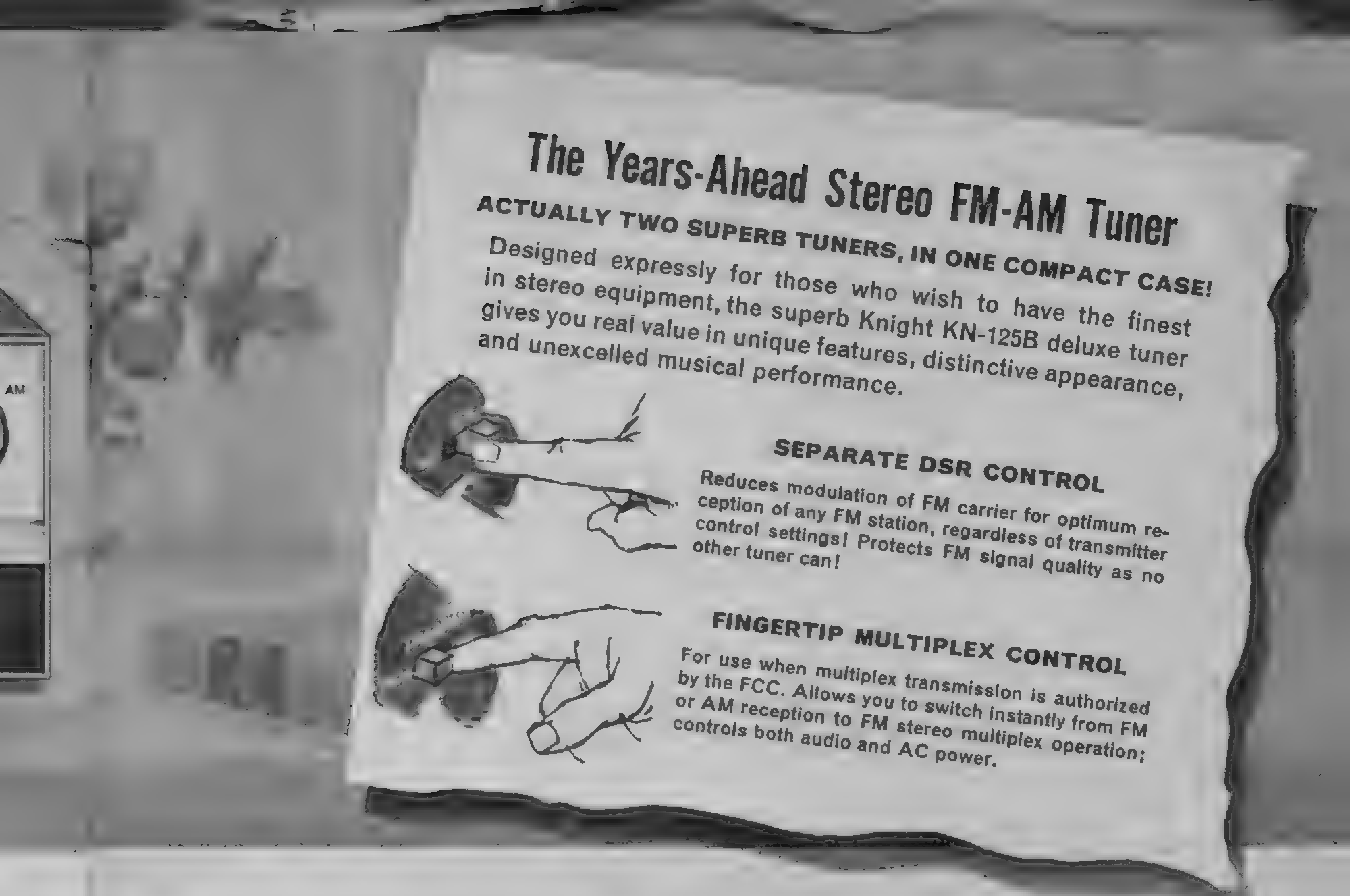
CHECK THESE FEATURES:

- Original DSR corrective inverse feedback—acclaimed by leading national electronic publications and audio authorities—with panel control for complete command of FM signal quality.
- Multiplex Control—permits instant switching from FM or AM to FM Multiplex when adapter is used.
- Low-Noise 50-Ohm Antenna Input for fringe-area FM reception.
- Three-position bandwidth control for AM listening.
- Extra-bright 6FG6/EM84 cathode ray, bar-type tuning indicators.
- Handsome beige case with clear dial and frost-gold panel.
- Superb performance and specifications, backed by Allied's unconditional, one-year guarantee.
- Fully checked for electrical safety.

Designed by an outstanding engineering team, the highly rated KN-125B Stereo FM-AM Tuner employs original, forward-looking features that provide superb broadcast reception. Behind its distinctive control panel, a highly sensitive 12-tube circuit delivers AM and FM sound of unparalleled clarity. Dynamic Sideband Regulation (DSR) gives you almost complete mastery over FM transmission quality. It allows you to correct the modulation level of the FM carrier for distortionless reception, actually overriding transmitter controls! DSR works just like inverse feedback in an amplifier, and is an important, Knight-pioneered advance in FM tuner design. If you enjoy listening to the wealth of fine musical programming regularly broadcast by FM stations, this unique feature alone will make the KN-125B your wisest choice in a stereo tuner.

Another premium feature, Fingertip Multiplex Control, is incorporated on the front panel of the KN-125B. This switch automatically turns on any associated multiplex adapter that is self-powered. It switches audio circuits to feed FM multiplex stereo to your stereo amplifier with fingertip ease (when this mode of transmission is approved by the FCC). Low-noise 50-ohm antenna input (for use with shielded antenna lead-in), provides improved FM reception in fringe areas; enables you to obtain maximum signal-to-noise ratio. Sensitivity at these terminals is 1.2 microvolts for 20 db of quieting. Both FM and AM sections use tuned RF stages for best pickup of weak stations.

AM section of the KN-125B features: 3-position AM bandwidth switch; 10-kc whistle filter; and 4-microvolt sensitivity. Separate, high-visibility cathode ray tuning indicators for pin-point FM and AM tuning; weighted, smooth-action flywheel tuning. Beautifully styled, the KN-125B comes with attractive beige metal case; panel is frosted gold and charcoal-beige anodized aluminum for enduring beauty. Size, 4⅞x15¾x11¾" (plus 1" for loopstick). Made in U.S. For 110-120 v., 50-60 cycle AC. Wt., 21 lbs.
35 DU 777. *Only $5 Down.* NET........................139.95



The Years-Ahead Stereo FM-AM Tuner

ACTUALLY TWO SUPERB TUNERS, IN ONE COMPACT CASE!

Designed expressly for those who wish to have the finest in stereo equipment, the superb Knight KN-125B deluxe tuner gives you real value in unique features, distinctive appearance, and unexcelled musical performance.

SEPARATE DSR CONTROL

Reduces modulation of FM carrier for optimum reception of any FM station, regardless of transmitter control settings! Protects FM signal quality as no other tuner can!

FINGERTIP MULTIPLEX CONTROL

For use when multiplex transmission is authorized by the FCC. Allows you to switch instantly from FM or AM reception to FM stereo multiplex operation; controls both audio and AC power.

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SPECIFICATIONS

FM Section: Tuned RF stage, two limiters, discriminator, automatic frequency control (AFC).

Sensitivity: 2½ µv for 20 db of quieting. Sensitivity at 50-ohm terminals is 1.2 µv for 20 db of quieting.

Harmonic Distortion: Unmeasurable (below residual noise).

IM Distortion: Less than 0.25% for signal inputs over 20 µv.

AM Section: Tuned RF stage, 10-kc whistle filter.

AM Sensitivity: 4 µv for 20 db signal-to-noise ratio.

Controls: AM Tuning; FM Tuning; Selector (FM, FM-AM Stereo, AM); AM Bandwidth Selector (Sharp, Medium, Broad); DSR; Multiplex Switch; AFC Off-On; DSR Off-On; and Off-On.

Antenna Inputs: 300 and 50-ohm.

Outputs: Four cathode-follower outputs —2 equipped with level controls.

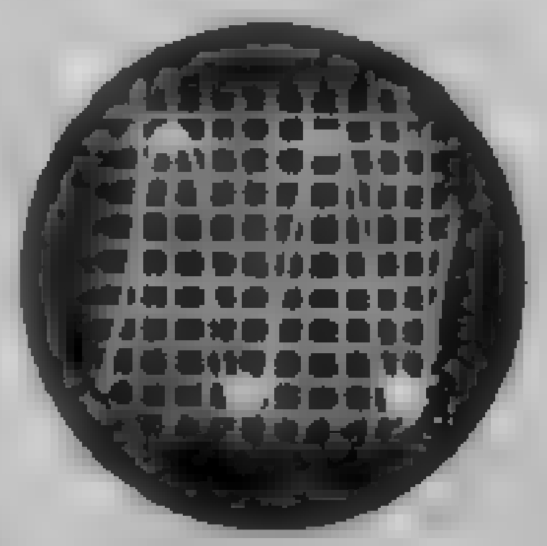
Other Features: Gear-driven tuning capacitors; flywheel tuning; DSR indicator light.

Tubes: 12, plus 2—6FG6/EM84 cathode-ray, bar-type tuning indicators; EZ80 rectifier.

Guaranteed for One Full Year

KNIGHT-PIONEERED EXTRA-VALUE FEATURES

DSR Brings You Superior FM Reception



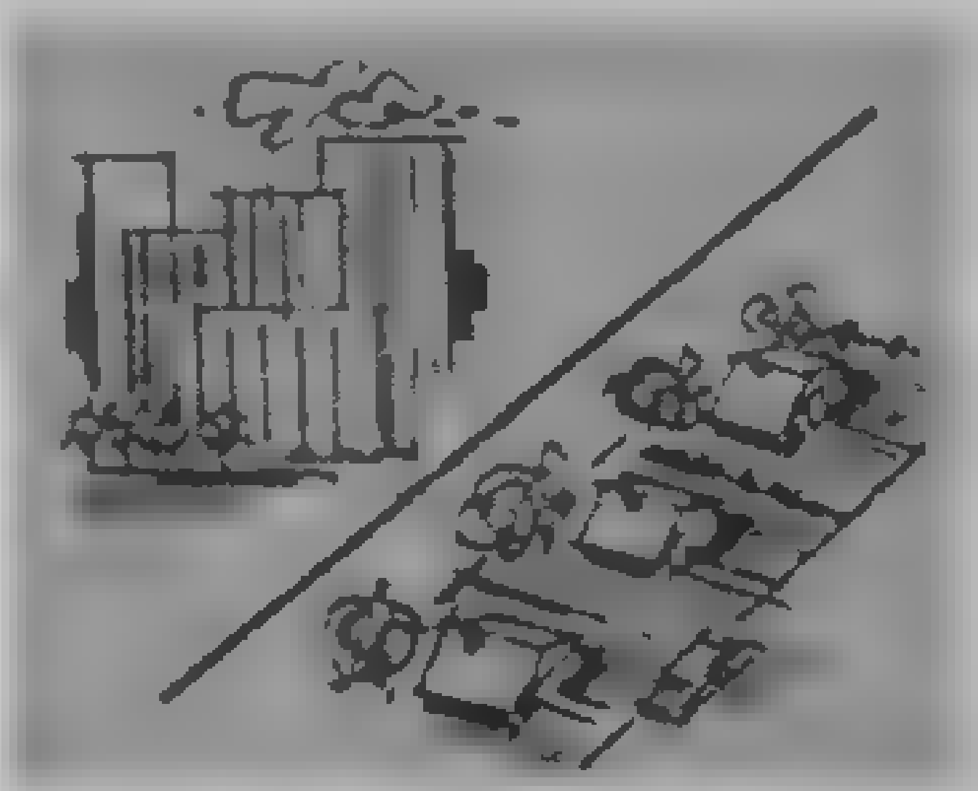
THESE ACTUAL OSCILLOSCOPE PHOTOS PROVE IT

Unretouched photos taken at ±150 kc deviation—over-modulated to double the FCC maximum—and at a signal strength of only 18 microvolts. A 1000-cycle test tone was transmitted.

High-quality FM tuner without DSR. Note the distorted peaks and valleys of the waveform shown on the oscilloscope screen.

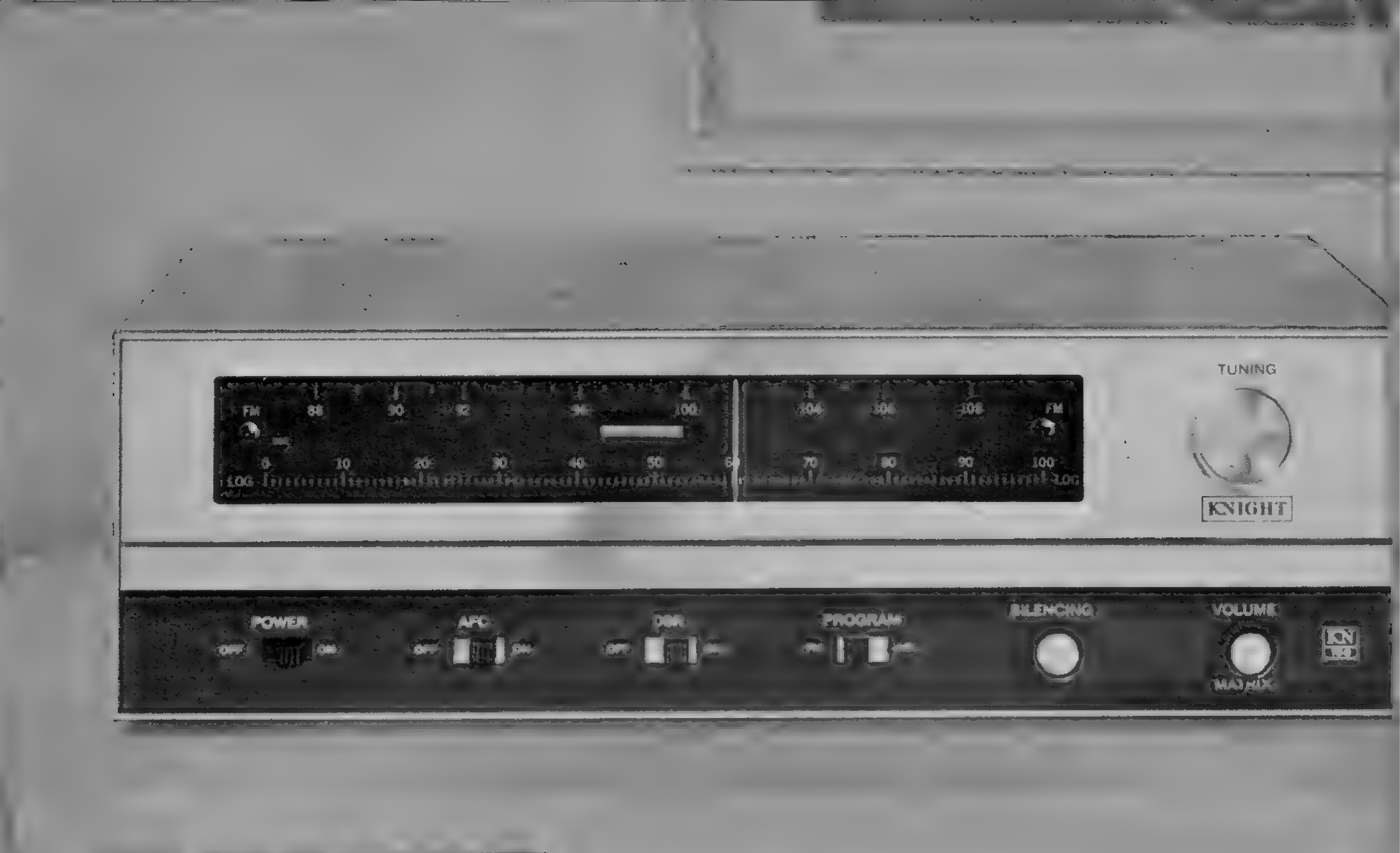
The KN-125B under identical conditions, with DSR switched "off". Distortion is still evident, though not quite as severe.

KN-125B under same test, DSR "on". Scope shows a perfect picture, free of distortion and identical to broadcast signal.



50-Ohm Input—Ideal for Noisy or Fringe-Area Use. In addition to the standard 300-ohm antenna input, the KN-125B features 50-ohm antenna input. Permits use of shielded coaxial cable for maximum signal-to-noise ratio and noise-free reception.

"Magic-Eye" Tuning Indicators. Two 6FG6/EM84 "tuning eye" cathode-ray tubes are used for precise FM and AM tuning. A vivid beam of blue light opens in the center when you're "off" station—closes to narrow width when you're "on" station. This highly effective visual tuning feature assures you of center-channel reception.



KNIGHT

New Super-Sensitive FM Tuner—Monitor Quality!

UNPARALLELED FM BROADCAST RECEPTION WITH HIGHEST FIDELITY

KN 150

ONLY $119.95

$5 down

- Features Allied's famed DSR corrective feedback circuit for FM reception that challenges the costliest receivers made.
- New, built-in power supply for multiplex adapter, plus space for including adapter on chassis.
- New, automatic visual indicator shows when stations are making a stereo multiplex broadcast.
- New automatic audio shutoff when signal is absent, for noise-free tuning between stations.
- New cascode front end; usable sensitivity of 1 μv for 20 db of quieting.
- Automatic "lock-in" of stations with super-sensitive AFC action.
- New discriminator coil design for lowest distortion; less than 0.25%.
- New front-panel level control for convenience when tape recording; tuner may be fed directly into basic amplifier.
- Cathode follower output permits using output cable up to 100 ft. in length.
- Easy tuning with EM84 indicator, plus flywheel weighted tuning knob.

A dazzling new basic FM tuner with a touch of space-age electronics in its design. The full 10-tube circuit of the KN-150 gives you the premium design of broadcast station monitor tuners—at an unusually low price. It costs you less now—and you'll appreciate its obsolescence-proof design later on! Among its future-challenging features is full provision for the addition of a multiplex adapter—spare room is provided on the chassis to accommodate the adapter, and a power supply for this adapter is already included! You'll be money ahead with the KN-150 when a multiplex system is FCC-approved—and you'll benefit right now from its high-grade engineering, fine components and superior performance.

In addition, this magnificent tuner—*automatically* shows you, by means of a panel light indicator, when an FM station is broadcasting a multiplex signal . . . *automatically* eliminates distortion caused by weak signals or over-modulation at the station, with its superb DSR circuitry . . . *automatically* shuts off audio portion of the circuit, in the absence of a signal, to eliminate noise between stations when you're tuning across the dial . . . and *automatically* "locks on" the station of your choice with extra-sensitive AFC action for perfect tuning!

The KN-150 displays remarkable ability in pulling in weak-signal FM stations. It features new, low-noise cascode front-end for optimum sensitivity—1.0 microvolt for 20 db of quieting, measured at 300-ohm terminals—a *guaranteed* specification. Improved discriminator coil design for lowest distortion and cleanest FM signal.

Every KN-150 is individually sweep-aligned (RF, IF and discriminator), and precisely tested at the factory—positive assurance that each of these phenomenal tuners not only measures up to published performance specifications, but is the equal of the laboratory-engineered model. Attractively styled metal case with beige finish; front panel is solid aluminum, styled in gold and charcoal brown. Made in U. S. Size, 4⅝x15 9/16x11⅜". For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.
35 DU 779. *Only $5 Down.* NET........................119.95

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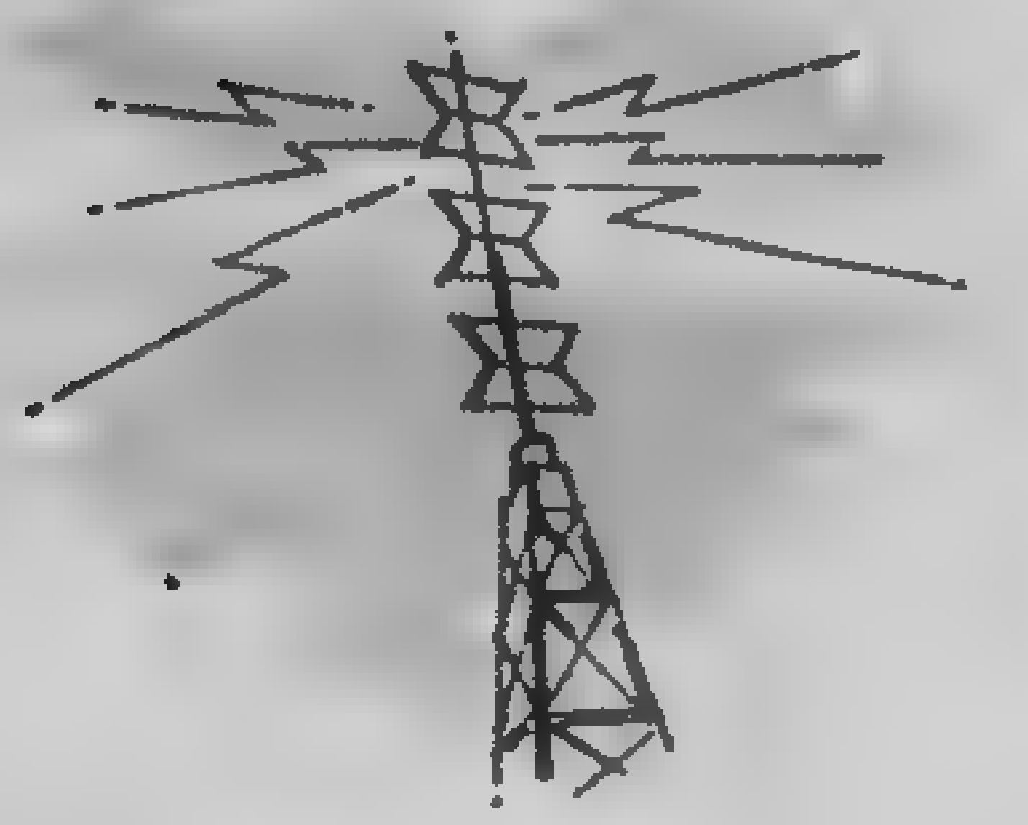
sensational new KNIGHT FM Tuner with superior engineering and performance at low cost

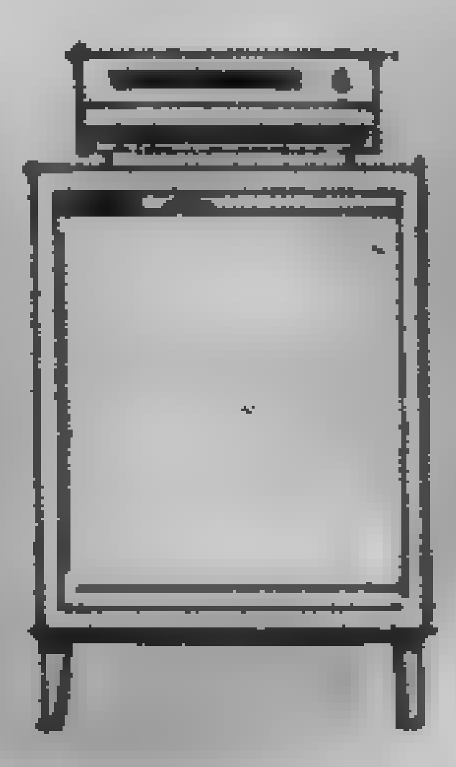


automatically

. . . reduces modulation of FM carrier for optimum reception of any FM station, regardless of station transmitter settings. Knight-pioneered, Dynamic Sideband Regulation, a major FM circuit advance is featured on deluxe tuners.

automatically

. . . eliminates annoying noise, hiss and roaring between stations when you are tuning across the dial, by shutting off the audio portion of the circuit in the absence of a signal. You get velvety silence until you're "on station!"



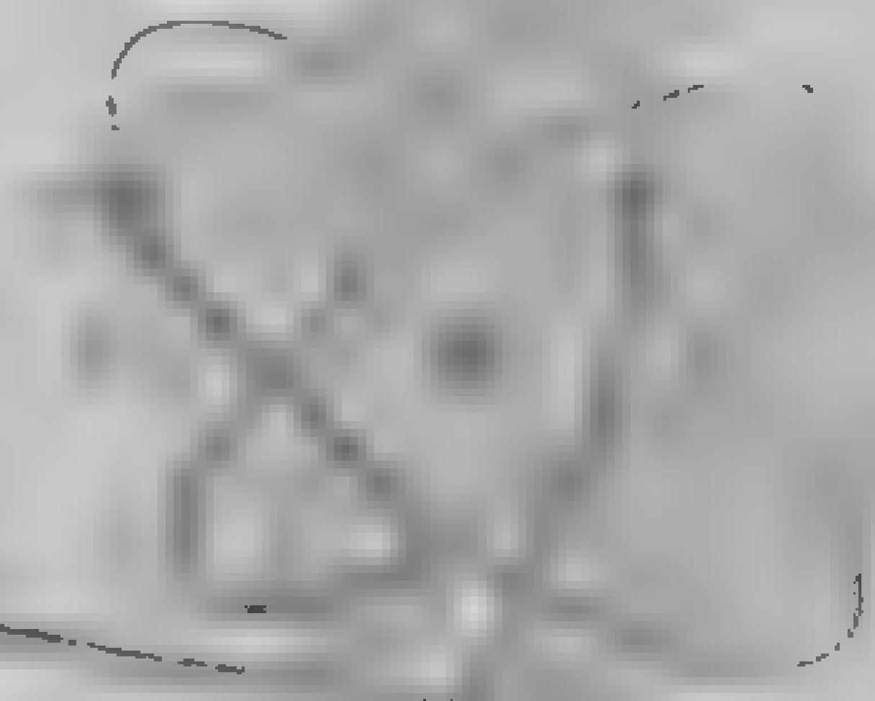
automatically

. . . turns on a front panel indicator light to show you when an FM broadcasting station is transmitting a multiplex signal—a far-sighted convenience feature you'll really appreciate when "multiplexing" arrives.

automatically

. . . locks on the station of your choice with extremely sensitive, automatic frequency control action. An electronic "servant" that takes command and instantly provides drift-free, center-of-channel FM tuning.

enjoy FM performance with all the advantages of space-age electronic developments



SPECIFICATIONS

Circuit: Cascode RF front end, dual limiters, dual IF amplifiers, automatic frequency control (AFC), cathode follower output.

Typical Sensitivity (300-ohm terminals): 1.0 microvolt for 20 db of quieting; 1.45 μv for 30 db quieting; IHFM usable sensitivity, 1.5 μv with DSR, 2.2 μv without DSR. (50-ohm terminals): 0.43 μv for 20 db S/N ratio @ 100% modulation; IHFM usable sensitivity, 1.25 μv.

Image Rejection: 75 db.

IF Bandwidth: 260 kc at —6 db; effective 520 kc with DSR.

Discriminator: effective 0.8 megacycle with DSR.

Harmonic Distortion: Unmeasurable at normal modulation levels (below residual noise).

IM Distortion: Less than 0.25% for signal levels over 10 microvolts.

Noise: —58 db for signals over 6 μv (see graph).

Controls: Power Off-On; AFC Off-On; DSR Off-On; Program Selector (FM, Multiplex); Interstation Silencing; Volume-Matrix; and Tuning. Indicator panel lights for DSR and MX (multiplex).

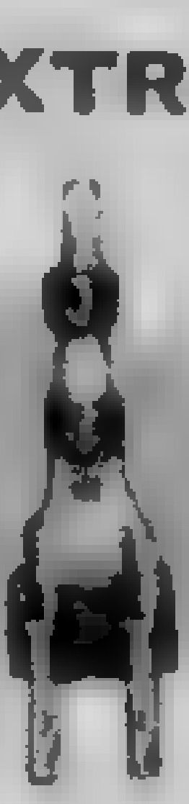
3 Outputs: Controlled, Fixed, Multiplex.

Other Features: Volume-Matrix control becomes a stereo "blend" control, for regulating stereo effect, during multiplex transmission (when this mode of broadcasting is authorized). Gear-driven tuning capacitors; flywheel weighted tuning; cathode-ray, bar-type tuning indicator.

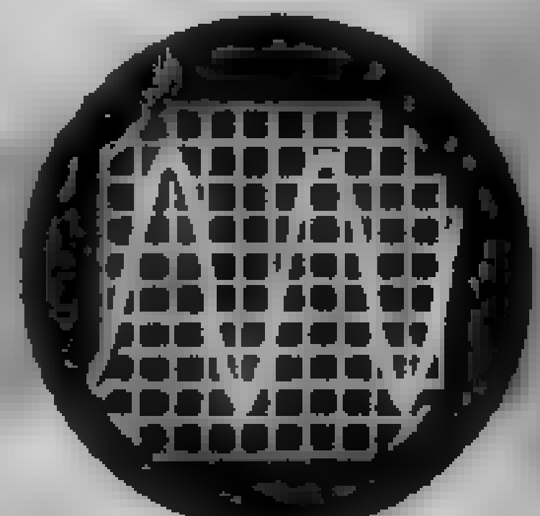
Tubes: 10, plus EM84 tuning "eye" tube and EZ80 rectifier.

PLUS SUPERB EXTRA-VALUE FEATURES

New low-noise Cascode Front End for high signal-to-noise ratio, top sensitivity.



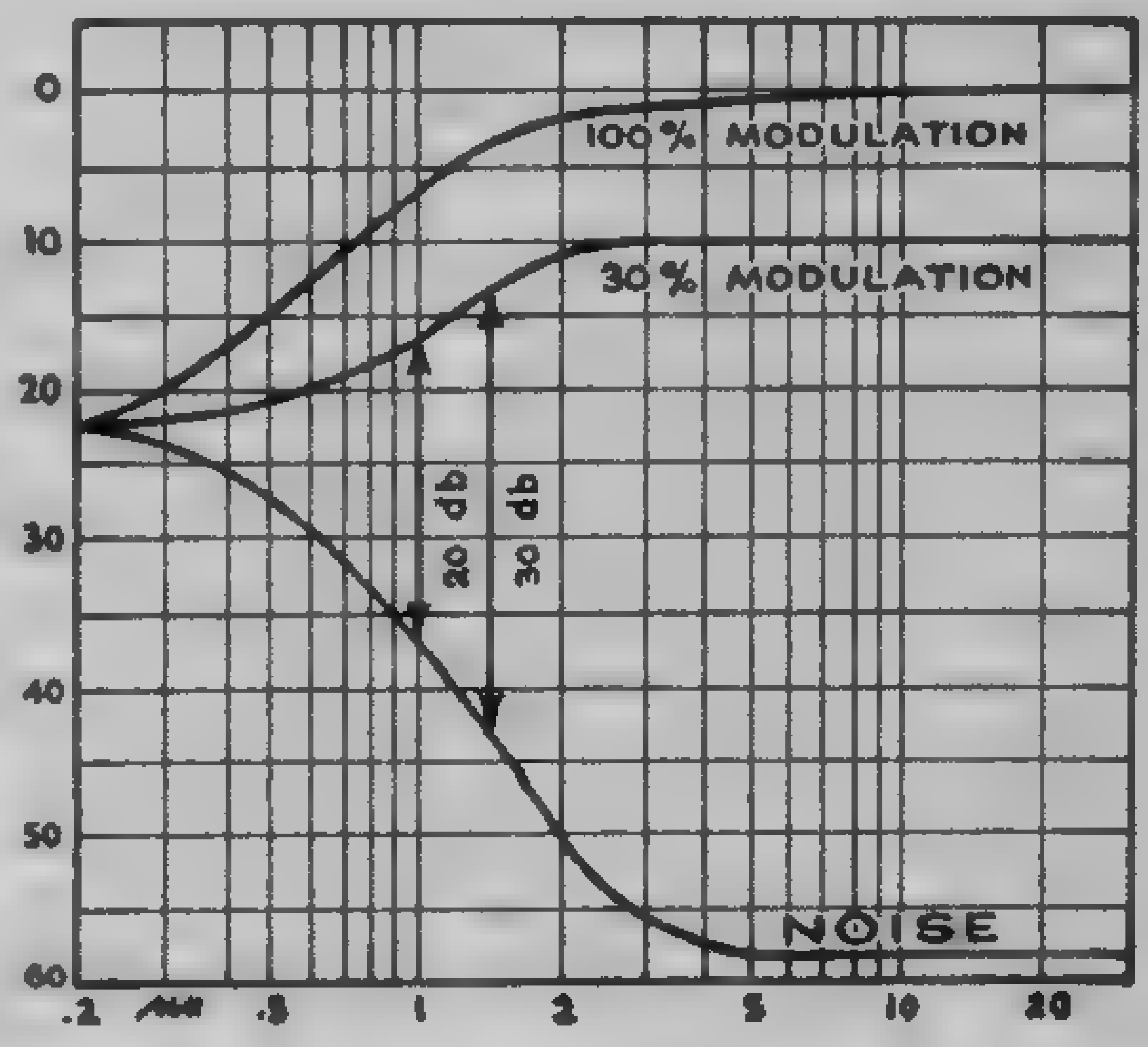
New Discriminator Coil design for lowest distortion and superb quieting action.



Individual Sweep Alignment by skilled craftsmen for performance equal to Master lab model.

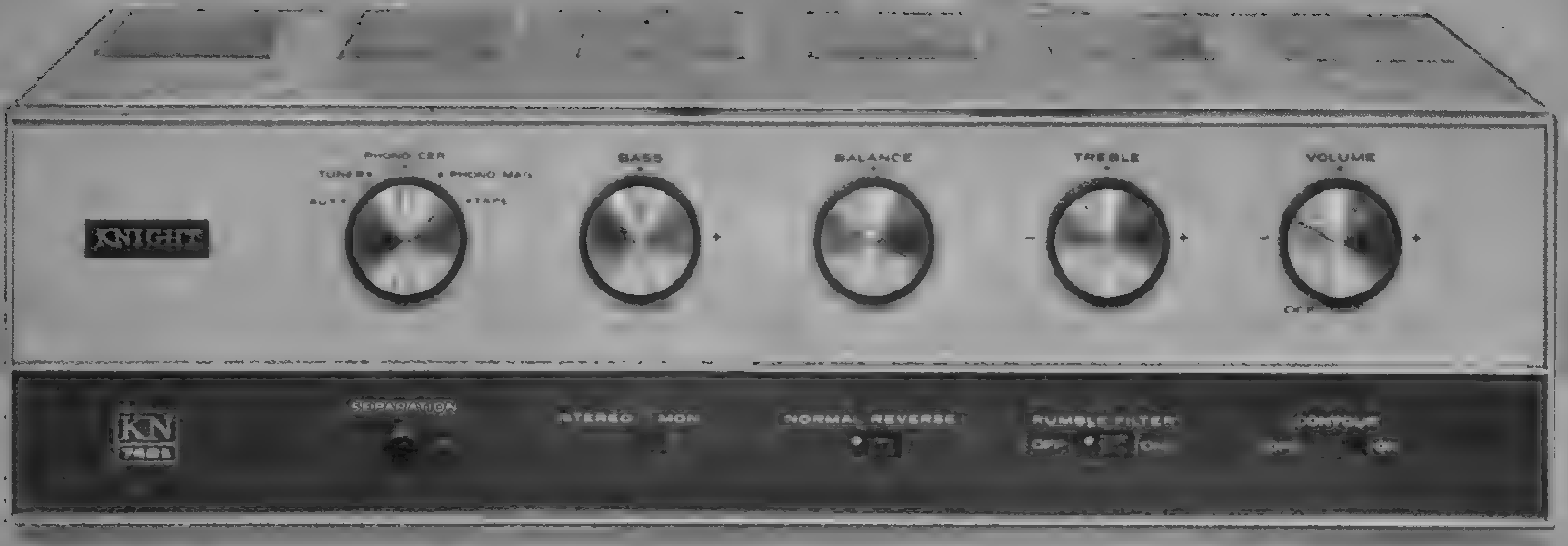
GUARANTEED

The graph at right which represents the sensitivity of the KN-150, vividly demonstrates the ability of this outstanding tuner in receiving weak signals. Based on measurements taken at the 300-ohm terminals, the graph clearly indicates a sensitivity of 1.0 microvolt for 20 db of quieting—your assurance of unrivalled FM reception in any signal area.



BUY ON THE EASIEST TERMS AVAILABLE

Allied's Easy Pay Plan makes it possible for you to purchase any of these splendid Knight components with just a small down payment. Start enjoying the best in hi-fi now, with only a small cash outlay.



KNIGHT

Best Buy 40-Watt Stereo Amplifier

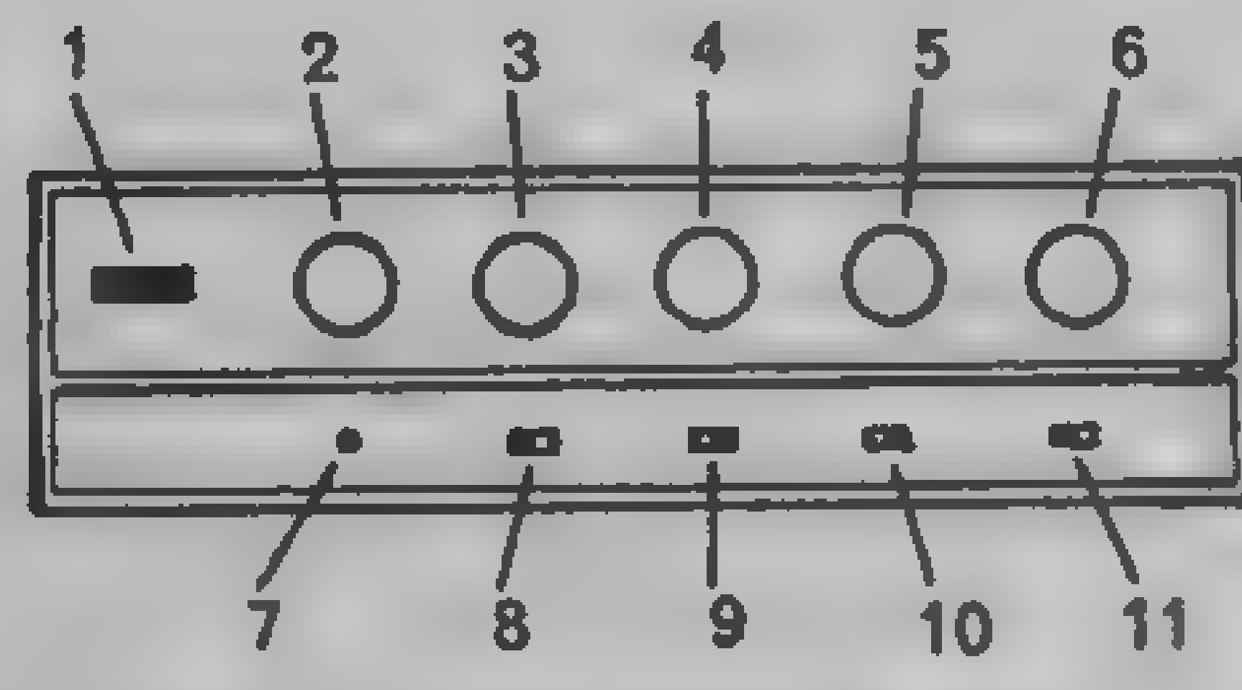
NET $\$99^{95}$

KN 740B

$5 DOWN

- **Advanced-Type 6L6GC High-Power Output Tubes for Remarkably Low Distortion Even At Peak Power**
- **Massive Output Transformers for Superb Bass Response and Low Distortion at All Levels**
- **Complete Array of Controls Plus Unique Stereo Separation Control**

HAS EVERY BASIC CONTROL



1. **Large, attractive pilot light indicator.**
2. **Selector switch for instant choice of program material.**
3. **Master bass control.**
4. **Single-knob balance control.**
5. **Master treble control.**
6. **Off-On/Master volume control.**
7. **Unique stereo separation control.**
8. **Stereo-Monophonic switch.**
9. **Channel reverse switch.**
10. **Rumble filter.**
11. **Loudness-Contour Switch.**

FAR MORE VALUE FOR YOUR STEREO DOLLAR

Representing the highly advanced skills of Knight engineering, the KN-740B is a splendid example of functional design and extra value—it gives you more in amplifier features for less money, and unconditionally guaranteed performance. Has every necessary control for thorough enjoyment of both stereo and monophonic program material; delivers a full 40-watt output with exceptionally low distortion. And you get more in luxury styling too—the KN-740B now features a deluxe, solid aluminum panel, beautifully color-styled in gold and charcoal brown, with beige leather-tone case.

A unique "stereo separation control" puts a continuously variable transition from stereo to monophonic reproduction at your command. You can actually "range" from monophonic to panoramic stereo sound! Output stage of each stereo channel incorporates two 6L6GC high-power output tubes, plus a massive hi-fi output transformer. The smooth, wide-range frequency response remains uniform even at relatively high power levels.

Master volume control adjusts listening level of both channels simultaneously—converts to contour loudness control at flick of a switch. DC on preamp tube filaments for hum-free operation, plus many other notable features. Compare the overall quality of the KN-740B with similar units in this price range—you'll find out that it's a first-rate value! U.L. Approved. Made in U.S. 4¼x15¾x12". For 110-120 v., 50-60 cycle AC. Wt., 35 lbs.

35 DU 774. *Only $5 Down.* NET.............................. 99.95

SPECIFICATIONS

Rated Power Output: 40 watts (20 watts per channel).

Frequency Response: ±1 db, 30 to 20,000 cps at 20 watts.

Harmonic Distortion: Less than 0.9% at full rated output.

IM Distortion: Less than 3% at full rated output.

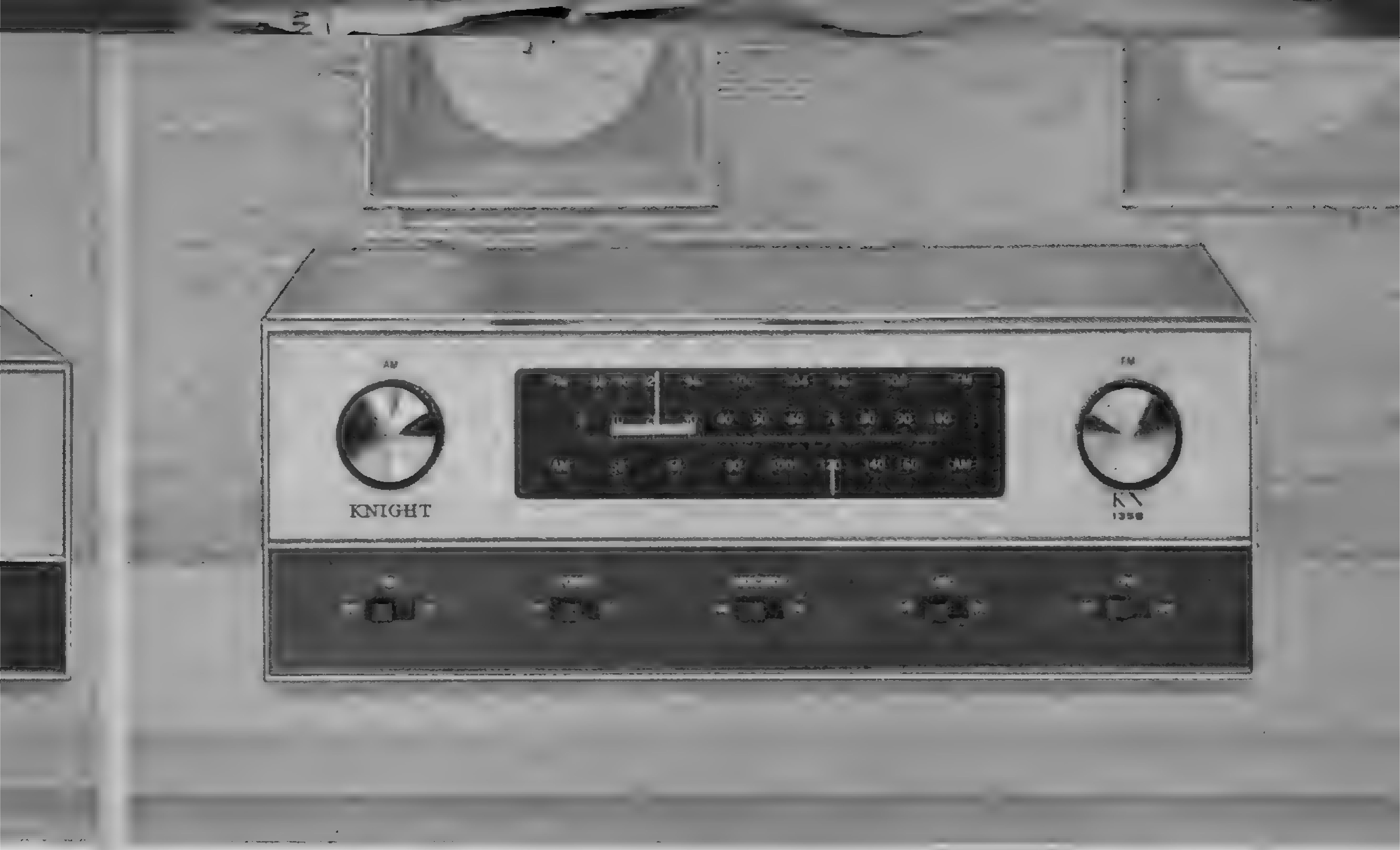
Hum and Noise: 76 db below full rated output (Aux); —76 db (Tuner); —58 db (Phono); —50 db (Tape).

Sensitivity (at full rated output): Aux, Ceramic Phono, and Tuner Inputs, 200 mv; Magnetic Phono, 4.5 mv; NARTB Tape Head, 3.5 mv.

Tube Complement: 5—12AX7/ECC83; 4—6L6GC; 5AS4A rectifier.

Output Impedances: 4, 8, and 16 ohms each channel.

GUARANTEED FOR ONE FULL YEAR



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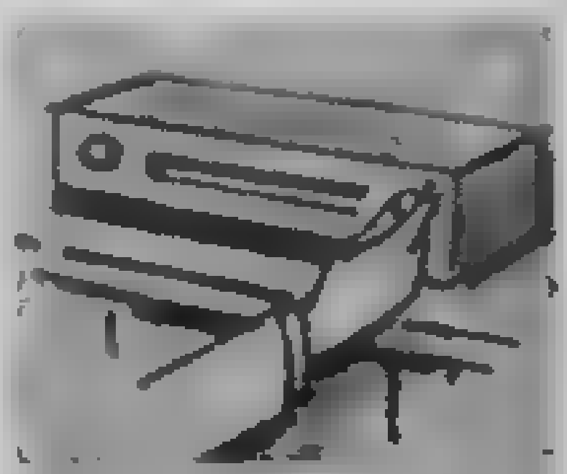
NET
84
$5 DOWN

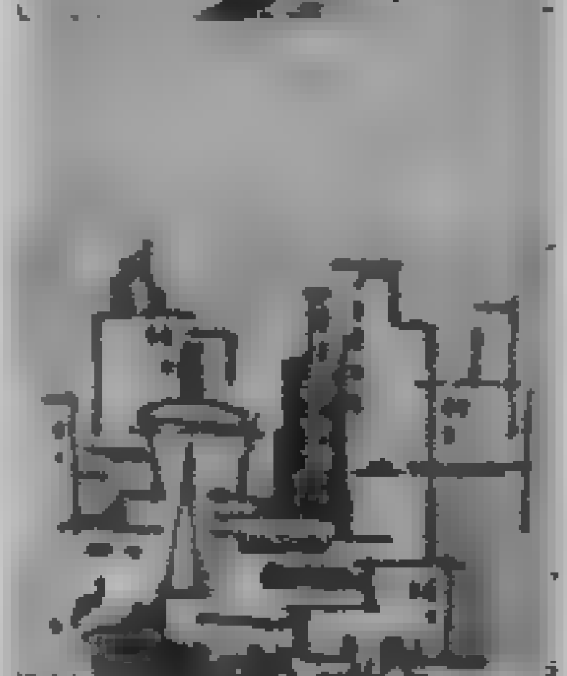
- New, "Magic Eye" Bar-Type Tuning Indicator for Precise Visual Tuning—Switches Between FM and AM
- New, Luxury-Styled Front Panel of ⅛"-Thick, Solid Extruded Aluminum
- 50-Ohm Antenna Terminals Permit Using Shielded Coax Antenna Lead-in for Noisy or Fringe-Area Use
- Separate, Flywheel-Weighted FM and AM Tuning Knobs; Five Easy-to-Use Front Panel Slide Switches for All Tuner Functions
- Includes Jack to Permit Use with FM Multiplex Adapter

OUTSTANDING FEATURES

New "Tuning Eye". A bar of blue light that closes to hairline width when you're "on" station. Switches from FM to AM.



High Sensitivity
Excellent for use in metropolitan as well as fringe areas—gives you superb reception anywhere.



Ready for Multiplex. FM multiplex adapter jack on rear panel, ready for accepting plug-in, multiplex adapter unit.

Value-Packed Stereo FM-AM Tuner

WITH MORE IN FEATURES, NEW CUSTOM STYLING

The KN-135B Stereo FM-AM Tuner gives you as much in performance, features and all-around quality, as it is possible to design into a unit selling for this moderate price. It not only gives you excellent reception of FM and AM broadcasts, separately or together, but it now includes a new, bar-type tuning "eye" indicator for center-of-channel tuning. You simply switch between FM and AM positions for best reception of either type of broadcast. Another new custom feature is the extruded aluminum panel, in charcoal brown and gold to match the beige leather-tone finish of the case.

Highly efficient, limiter-and-discriminator FM circuitry offers good noise rejection and sensitivity for clear reception of weak or distant FM stations; AM circuitry is of comparable quality. Five easy-to-use switches on the front panel handle all tuner functions, including automatic frequency control (AFC), for "lock-in" tuning of FM stations. Dual high-impedance outputs permit stereo or monophonic tape recording of broadcast material directly from tuner. Low-noise, 50-ohm antenna terminals, in addition to regular 300-ohm antenna terminals, permit the use of shielded, coaxial antenna lead-in for noisy or fringe-area use. Includes two 36" audio cables, and built-in AM loopstick and FM folded-dipole antennas.

U.L. Approved. Made in U.S. 3⅜x11⅜x9". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 13 lbs.
35 DU 778. *Only $5 Down.* NET.............................. 84.50

SPECIFICATIONS

FM Sensitivity: 4 microvolts for 20 db of quieting.

AM Sensitivity: 10 microvolts for 20 db signal-to-noise ratio.

FM Bandwidth: 180 kc.

FM Response: ±0.5 db, from 20 to 20,000 cps.

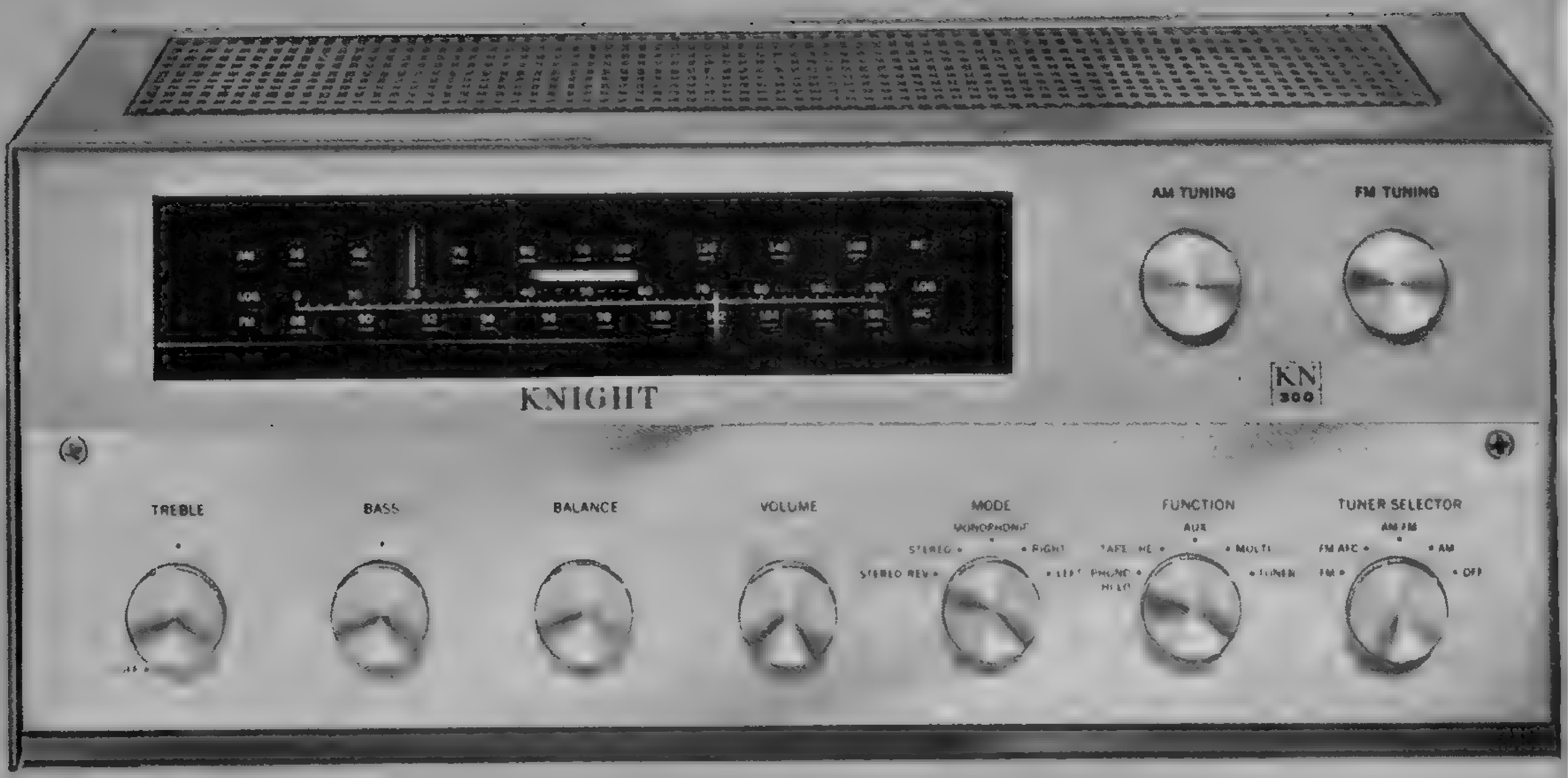
High-Impedance Outputs: two for FM; two for AM.

Five Front-Panel Switches: AM Off-Stereo-Mono; FM Off-Stereo-Mono; Tuning "Eye" FM or AM; Power Off-On; and AFC Off-On. Separate knobs for FM Tuning and AM Tuning.

Rear Panel: FM Multiplex Output Jack; 300-ohm Antenna Terminals; 50-Ohm Antenna Terminals.

Tubes: 2—12AT7, 2—6CB6, 6AU6, 6AL5, 6BE6, 6AS8, EM840 tuning "eye"; plus selenium rectifier.

GUARANTEED FOR ONE FULL YEAR



KNIGHT

Remarkable New Stereo FM-AM Tuner/Amplifier

30-WATT IHFM RATING, NEW MODULAR FM SECTION, OTHER DELUXE FEATURES

KN 300

ONLY $^{\$}169^{50}$ LESS CASE
$5 down

- New Bar-Type Tuning Indicator for Pin-Point FM and AM Station Tuning
- New FM Tuner Module for Better Sensitivity, Lower Distortion, Precise AFC Action. Completely Pre-Aligned and Pre-Tested
- Full Array of Controls, Including Single-Knob Bass, Treble, Balance and Volume
- Latest Silicon Diode Power Supply for Uniform Regulation—Replaces Rectifier Tube, Eliminates Heat
- DC-Heated Preamplifier Tube Filaments for Hum-Free Sound
- Brushed Steel Front Panel with Controls Arranged for Consummate Ease of Operation
- Made in U.S.—Features Premium-Quality Parts and Workmanship, Plus Deluxe, Custom Styling
- Unconditional, One-Year Guarantee on Parts, Labor and Performance

No other stereo tuner/amplifier in this price class gives you as much! On a single, expertly-engineered chassis, the new KN-300 provides—separate, highly sensitive FM and AM tuners (with tuning "eye"); dual preamps with complete array of easy-to-use controls; plus a husky stereo amplifier that delivers a full 30 watts of stereo or monophonic sound. You need add only stereo speakers and record changer to have a music ensemble of truly excellent quality, and "all-in-one" versatility.

Bar-type tuning eye indicator gives you "right-on" tuning of FM and AM stations. The unique FM section of the KN-300 features advanced modular construction. Since FM circuitry is extremely critical, this "module" is carefully pre-assembled, pre-aligned and thoroughly tested before it is incorporated into the chassis. You are assured of flawless FM reception and stable performance. Other first-rate features: single-knob bass, treble, volume and balance controls; DC on preamp filaments to insure freedom from hum; high-efficiency silicon-diode power supply for cool operation and long life; solid steel front panel; and many more. If you need dependable performance, space-saving compactness, and easy-to-use controls—then the KN-300 is your logical choice. Size, 6⅛x15$\frac{13}{16}$x12¾".

Less case, below. U.L. Approved. Made in U.S. For 110-120 v., 50-60 cycle AC. Shpg. wt., 30 lbs.
35 DU 781. *Only $5 Down.* NET.............................169.50

METAL CASE FOR ABOVE. Styled in matte charcoal gray. 3 lbs.
35 DX 782. NET.............................8.95

SO EASY TO CUSTOM-INSTALL

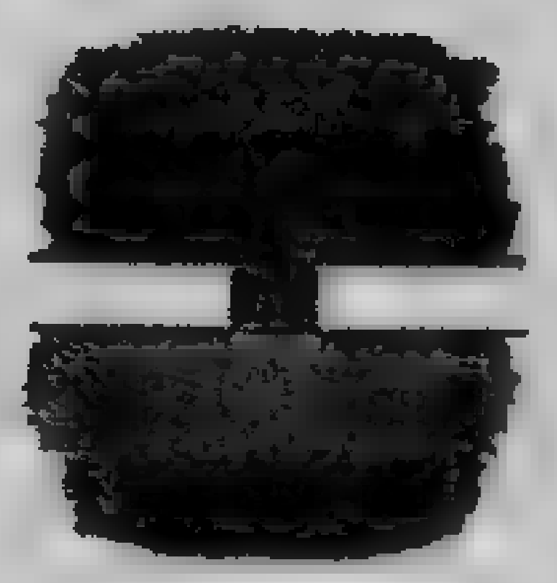
A model of compactness, the KN-300 readily lends itself to quick and easy custom installation. A simple cutout is all you need in walls, existing furniture, other types of "built-ins". Includes mounting template, hardware, instructions.

complete Stereo Tuner-Amplifier with advanced features

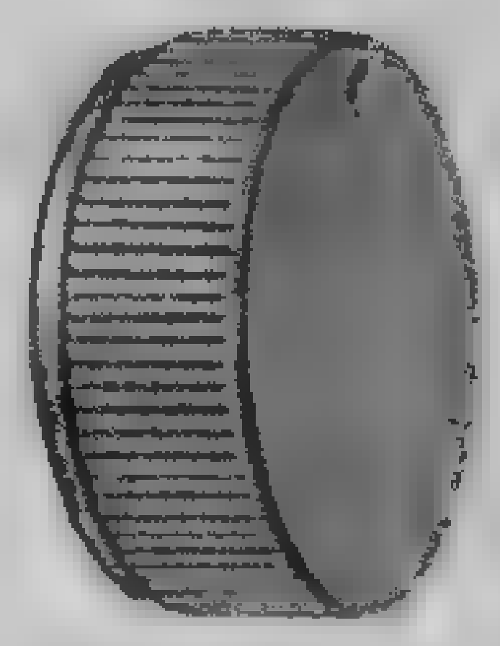
new modular FM section

The entire FM tuning section of the KN-300 is contained on this single "module". Before becoming an integral part of the chassis, this unit is carefully pre-assembled, pre-aligned and pre-tested—a new method of construction that results in more reliable FM performance for you. Gives you more sensitivity, better automatic frequency control operation, and unusually stable signal reception.

TUNING INDICATOR for precise, visual FM tuning. A vivid bar of blue-green light closes to hairline width when you're "on" station—opens in center when you're "off" station. Newest cathode-ray, "magic eye" tube type.



STEREO BALANCE CONTROL. A "must" feature for balanced stereo sound. Assures proper sound volume from each channel in your system, regardless of speakers being used, their placement, or room acoustics.



DC HEATING OF PREAMP TUBE FILAMENTS. A feature usually found only in highest priced equipment. Eliminates any possibility of AC ripple noise. Assures you of extremely quiet, hum-free operation (70 db below 15 watts). Amplifier section features four 7408/6V6GTA audio output tubes specifically designed for use in high-fidelity circuits.

SPECIFICATIONS

FM Section

Circuit: Low-noise front end consisting of RF amplifier and diode mixer, wide-band IF stages and automatic frequency control. Sensitivity, 2½ µv for 20 db of quieting.

AM Section

Circuit: Low-noise, high-gain pentagrid converter, wide-band IF stage, and automatic volume control. Built-in high-Q ferrite loopstick antenna. Sensitivity, 15 µv.

Audio Section

Circuit: Four 7408/6V6GTA audio output tubes in push-pull.

Output: 30 watts IHFM.

Response: ±0.5 db, 15-30,000 cps.

Hum: 70 db below 15 watts.

General

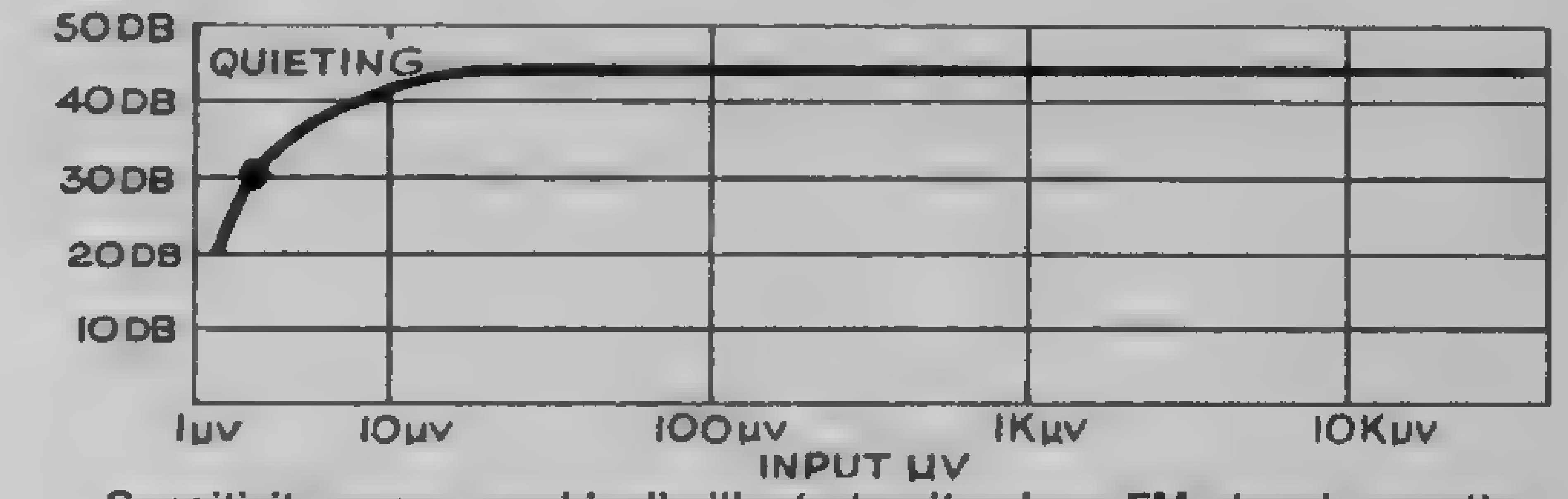
Front Panel Controls: flywheel AM Tuning; flywheel FM Tuning; Tuner Selector (FM, FM-AFC, AM-FM, AM, Off); Function Selector (Phono Hi/Lo, Tape Head, Aux, Multiplex, Tuner); Mode (Reverse, Stereo, Mono A + B, Right, Left); Loudness, Bass, Treble, and Balance controls.

Other Features: Has two tape output jacks for stereo recording and multiplex output jack; ten inputs (5 pairs) for all current signal sources; two output tube balance controls (one for each channel); 4, 8 and 16-ohm output impedances. Employs 21 tubes and diodes.

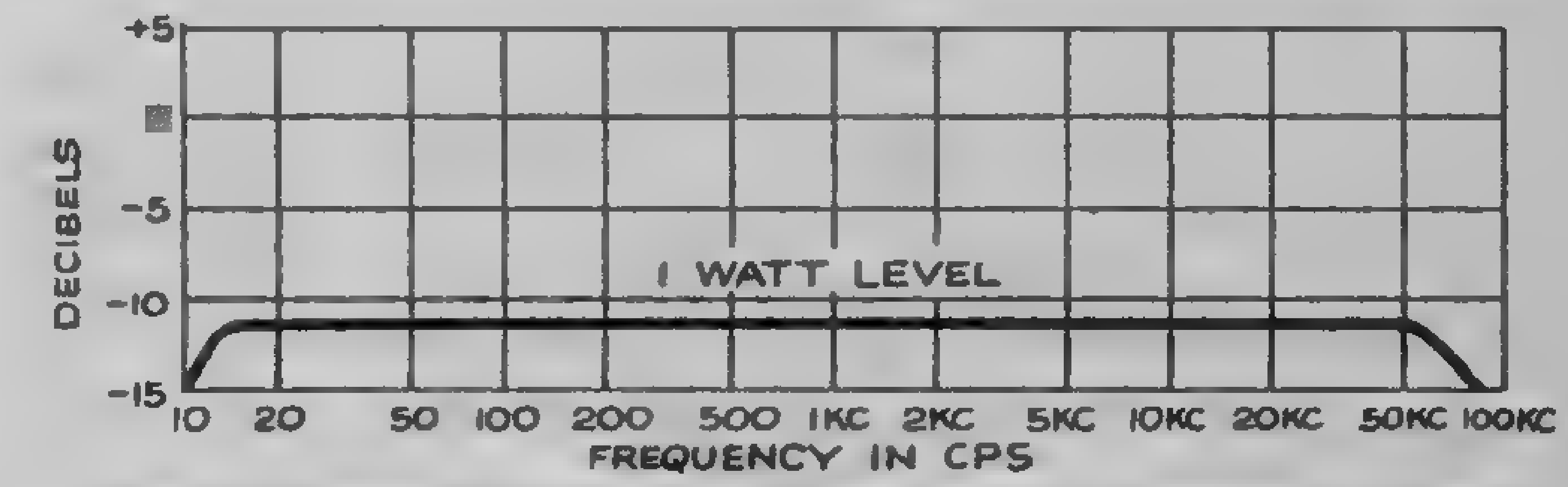
COMPARE IT AGAINST SIMILAR UNITS

. . . THEN CHECK ITS LOW PRICE!

There are few desires in musical reproduction the KN-300 cannot satisfy—it tunes in FM and AM separately or together; it accepts record or tape playing mechanisms; it can be used for stereo or monophonic tape recording; its controls allow you to get the exact tonal shading you want; it can be custom-installed, or displayed (with case), as your system "centerpiece"!



Sensitivity curve graphically illustrates its clean FM signal reception.



Note the remarkably flat frequency response curve (measured at 1 watt).

TAKE ADVANTAGE OF ALLIED'S EASIEST TERMS

ONLY $5 DOWN The new KN-300 Stereo Tuner-Amplifier, or any other Knight hi-fi component, is available on Allied's Easy Pay Plan. Only a small down payment is required; regular or extended terms.

Best-Buy Knight Hi-Fi Components Are Available Only from Allied Radio

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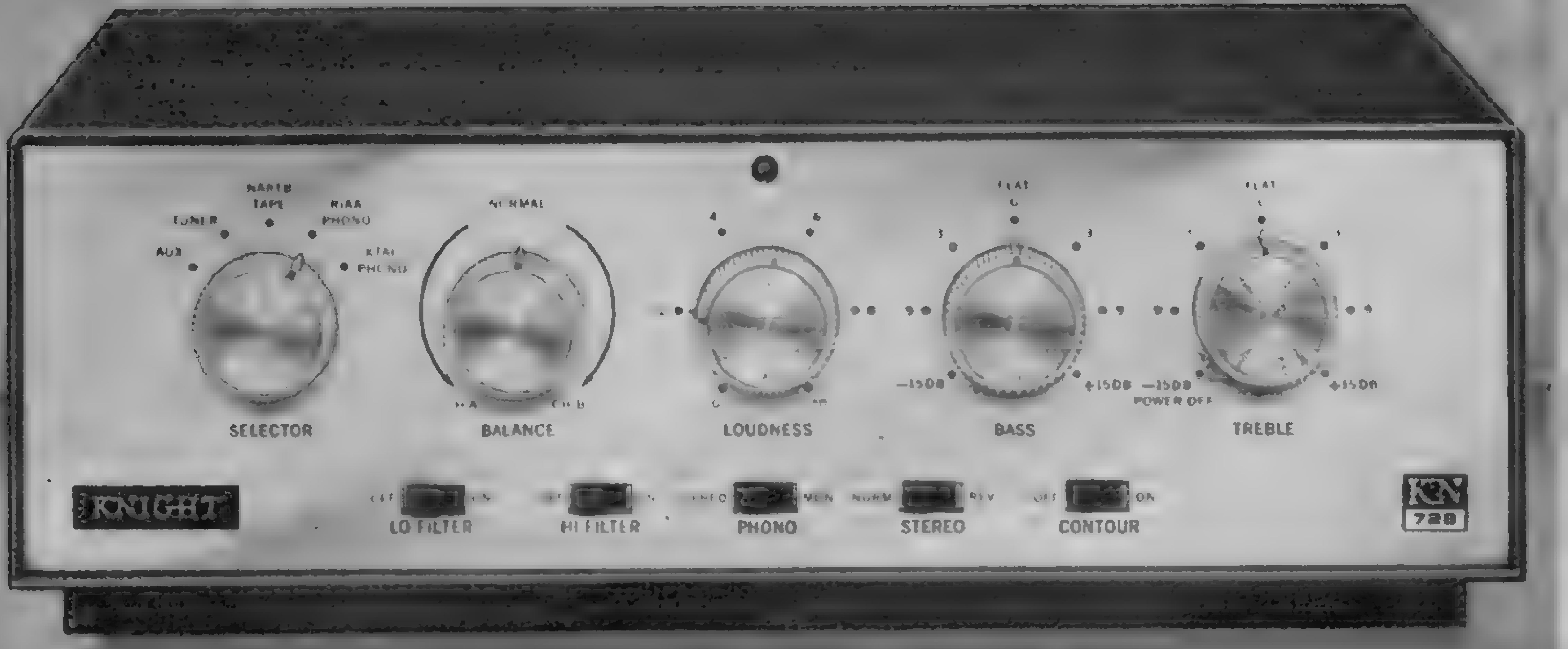


KNIGHT Value-Plus 28-Watt Stereo Amplifie

KN 728B

ONLY

79^{95}

$5 down

- **Latest Version of the KN-728 with Improved Hi-Fi Specs**
- **Full Set of Controls & Inputs for Every Stereo/Monophonic Use**
- **DC on Filaments of Preamp Tubes for Hum-Free Operation**
- **Smart, New Styling of Case, Finish and Front Panel**

SPECIFICATIONS

Output: Rated, 28 watts; minimum IHFM music power, 20 watts per channel.

Frequency Response: ±1 db, 20 to 20,000 cps.

Hum & Noise: 80 db below full output on each channel.

Distortion: harmonic, 1% at 1000 cycles measured at 14-watt output; IM, 3% maximum.

Inputs (per channel): NARTB Tape Head, Magnetic Phono, Ceramic (or Crystal) Phono, Tuner, and Auxiliary.

Controls: Selector (Aux, Tuner, NARTB Tape, RIAA Phono, Crystal Phono); Balance; Loudness; Bass; Off-On/Treble, Slide switches for Lo-Noise Filter; Hi-Noise Filter; Phono; Stereo Normal and Reverse; Contour.

NEW FEATURES FOR ADDED FIDELITY—SMART, NEW STYLIN

No halfway measures here! The new KN-728B is an up-to-the-minu version of our popular KN-728 stereo amplifier. Not only do you get brand-new steel case with fresh color styling, re-designed front panel, an new control knobs . . . you also get such circuit improvements as wid frequency response and better-than-ever hum and noise specification And as an *added-value* feature, the price of this new, improved amplifier actually less than the previous model!

Complete control facilities of the dual preamp sections in the KN-728 enable you to regulate stereo or monophonic sound with remarkable ea and precision. Input paralleling switch gives you instant switching fro stereo operation to 28-watt monophonic operation. Wide-range balan control provides thrilling stereo sound in any room, even where one of yo speakers cannot be placed for optimum stereo effect. Loudness/conto switch provides correct tonal balance even when listening at modera and low volume levels. Two tape recorder outputs permit "off-the-ai stereo tape recordings, while tape head inputs permit you to play recorde stereo tapes directly from heads on a tape deck. Hum is reduced inaudible levels by DC operation of all preamp tube filaments.

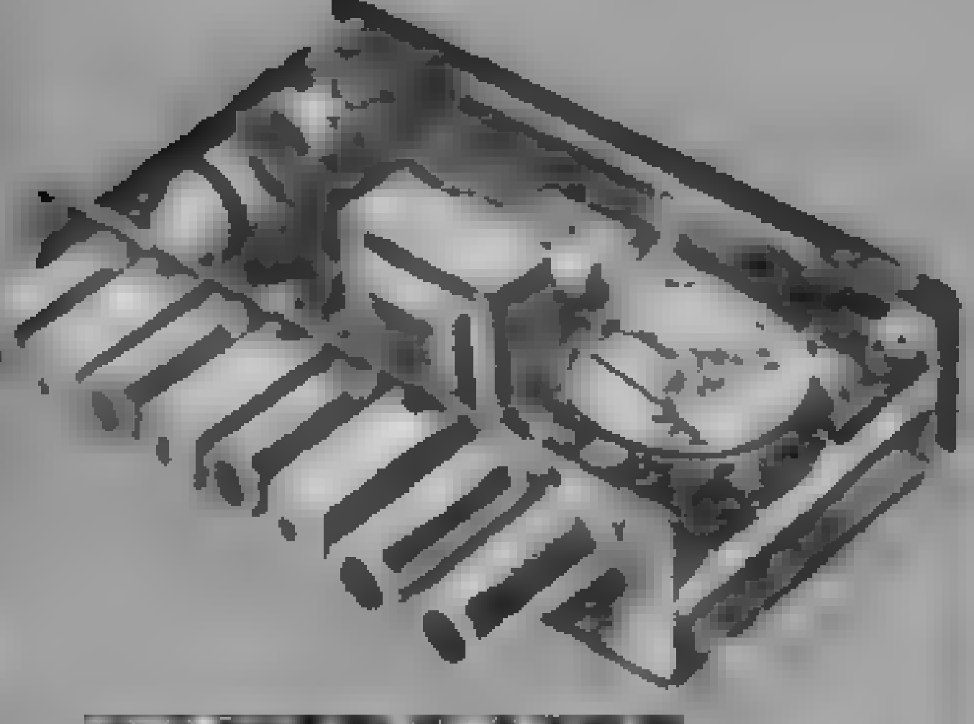
The new case of this handsome amplifier has four plastic feet and feature tan-wrinkle finish, with gold-mesh insert on top to allow free circulation air. Front panel is color-styled in gold, with clear lucite plastic knobs. *Outp Impedances:* 4, 8 and 16 ohms per channel. *Tubes:* 4—6V6GT, 4—12AX 12AU7; EZ81/6CA4 rectifier. Size, 4¾x13¾x9¼". Made in U.S. F 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

35 DU 775. *Only $5 Down.* NET 79.9

KNIGHT GIVES "VALUE" A REAL MEANING

These extraordinary audio components not only are lower in cost than comparable units of other makes, but they are also *unconditionally guaranteed for one full year.* Neither workmanship, quality of parts nor performance is sacrificed—our constant aim is to bring you the best. The design of every Knight product is based on the needs and preferences of music lovers, as determined by careful research—and every advancement in audio science is employed to achieve this end. You can buy no better!

MAGNIFICENT BUY! PRECISION FM TUNER WITH TUNING EYE



CAMERA-LIKE DESIGN

So precisely designed, that it has the look and feel of a fine camera.

KN 141

ONLY

$49.95

$2 down

Beautifully Styled, Ultra-Compact—None Like It

- **New Tuning Indicator; Attractive New Decorator Styling**
- **Actual Size: 2⅝" High, 9¾" Wide, 7⅝" Deep—Use It Anywhere**
- **Clear, Sparkling FM Reception**
- **Automatic Frequency Control "Locks In" Stations**

A convincing example of the old adage about "good things in small packages," the new KN-141 Basic FM Tuner combines neat, functional design with outstanding performance. It provides excellent FM reception with its built-in line-cord antenna—and with a simple dipole antenna (or other external FM antenna), its performance surpasses larger, more expensive tuners. You can use it anywhere you would ordinarily place a book—on desk or table top, shelf, mantel, etc.

Plays through hi-fi systems, TV sets, tape recorders, and similar units having input jacks. Automatic frequency control (AFC) for effortless, pin-point tuning; FM stations "lock in" when their dial setting is approached. A splendid new feature—bar-type 6FG6 tuning "eye" indicator—narrows to hairline width when you're "on" station. Flywheel weighted tuning knob. Metal case, beautifully styled in soft beige; Roman gray front panel.

SPECIFICATIONS: *Sensitivity:* 4μv for 20 db of quieting. *Audio Output:* approximately 0.5 volt. *Hum and Noise:* −40 db. *IF Bandwidth:* 180 kc. *Controls:* Tuning; Off-On-AFC. *3 Outputs:* Amplifier, Tape Recorder and Multiplex. Circuit features grounded-grid RF amplifier; ratio detector. Made in U.S. 2⅝x9¾x7⅝". For 110-120 v., 50-60 cycle AC. Shpg. wt., 7½ lbs.

35 DX 780. *Only $2 Down.* **NET**................**49.95**

TRUE HI-FI MONOPHONIC AMPLIFIER . . . PROFESSIONAL SPECIFICATIONS

KN 611

ONLY

$39.95

$2 down

Superb-Value, 10-Watt Monophonic Amplifier

- **Beautifully Styled; Matches KN-141 Basic FM Tuner**
- **True Hi-Fi Performance—Flat Response, Low Distortion**
- **No Finer Choice for Low-Cost Home Music Systems**

Thousands of earlier-model "Mini-Fi's" are still in use throughout the country today. The KN-611, our newest version of this immensely popular 10-watt monophonic amplifier, gives you more of everything at lower cost. Fresh, new beige-and-gray color styling—new, space-saving case design—extremely neat layout of parts and wiring—and most important—improved professional high-fidelity specifications. It is a perfect choice for a low-cost, monophonic music system.

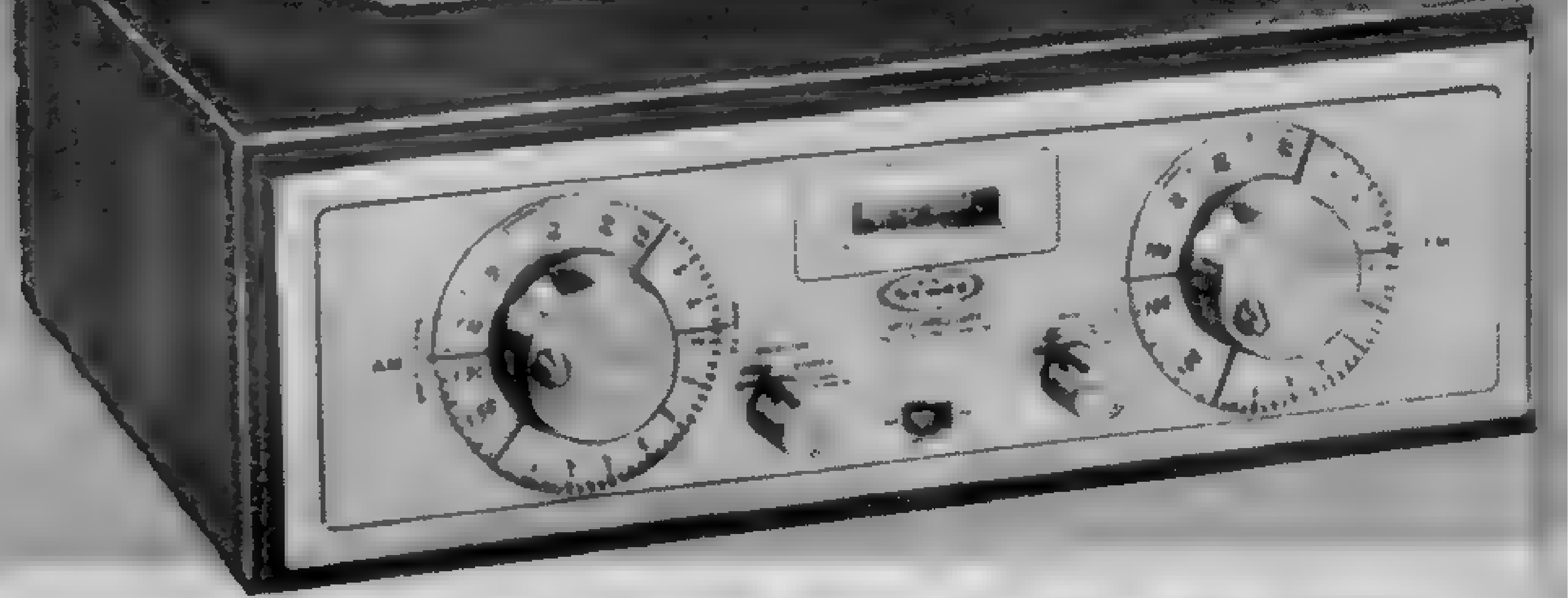
Has inputs for NARTB-equalized tape head playback; FM or FM-AM radio tuner; magnetic, crystal or ceramic phono cartridge. Separate bass and treble controls allow you to vary music to suit listening tastes.

SPECIFICATIONS: *Rated Output:* 10 watts; 20-watt peaks. *Distortion (at rated output):* harmonic, less than 2%; IM, less than 3%. *Response:* ±1 db, 30 to 20,000 cps at rated output. *Hum and Noise:* −80 db. *5 Inputs:* Tuner, Auxiliary, Magnetic Phono, Tape Head, Crystal Phono. *Controls:* Selector (Aux, Tuner, NARTB Tape, RIAA Phono, Crystal Phono); Volume; Bass; Treble. *Output Imp.:* 4, 8 and 16 ohms; high imp. for tape recorder. 2—EL84/6BQ5 output tubes. Made in U.S. 4x9½x7½". For 110-120 v., 60 cycle AC. Shpg. wt., 10 lbs.

35 DX 776. *Only $2 Down.* **NET**................**39.95**

Distinguishe

H. H. Scott components have an outstanding record of engineering leadership and reliability. Offer uncompromising standards of performance.



Two deluxe stereo components—a sensitive tuner with separate, wide-band FM and wide-range AM sections; plus, stereo amplifier of unexcelled control flexibility.

NEW MODEL 299-B 50-WATT STEREO AMPLIFIER

LESS CASE
NET
$209.95

A deluxe unit, designed to accommodate every existing signal source. Has center-channel output; separate bass and treble controls for each channel; master volume control with loudness-volume switch; phase reversal switch; and tape monitor provision. Also features: scratch and rumble filters; two low-level magnetic inputs that allow you to connect a stereo tape deck to the 299-B as well as stereo cartridges. Tape recorder facilities include: recorder output; playback input (monitor provision); front panel tape monitor switch; NARTB-equalized tape head inputs.

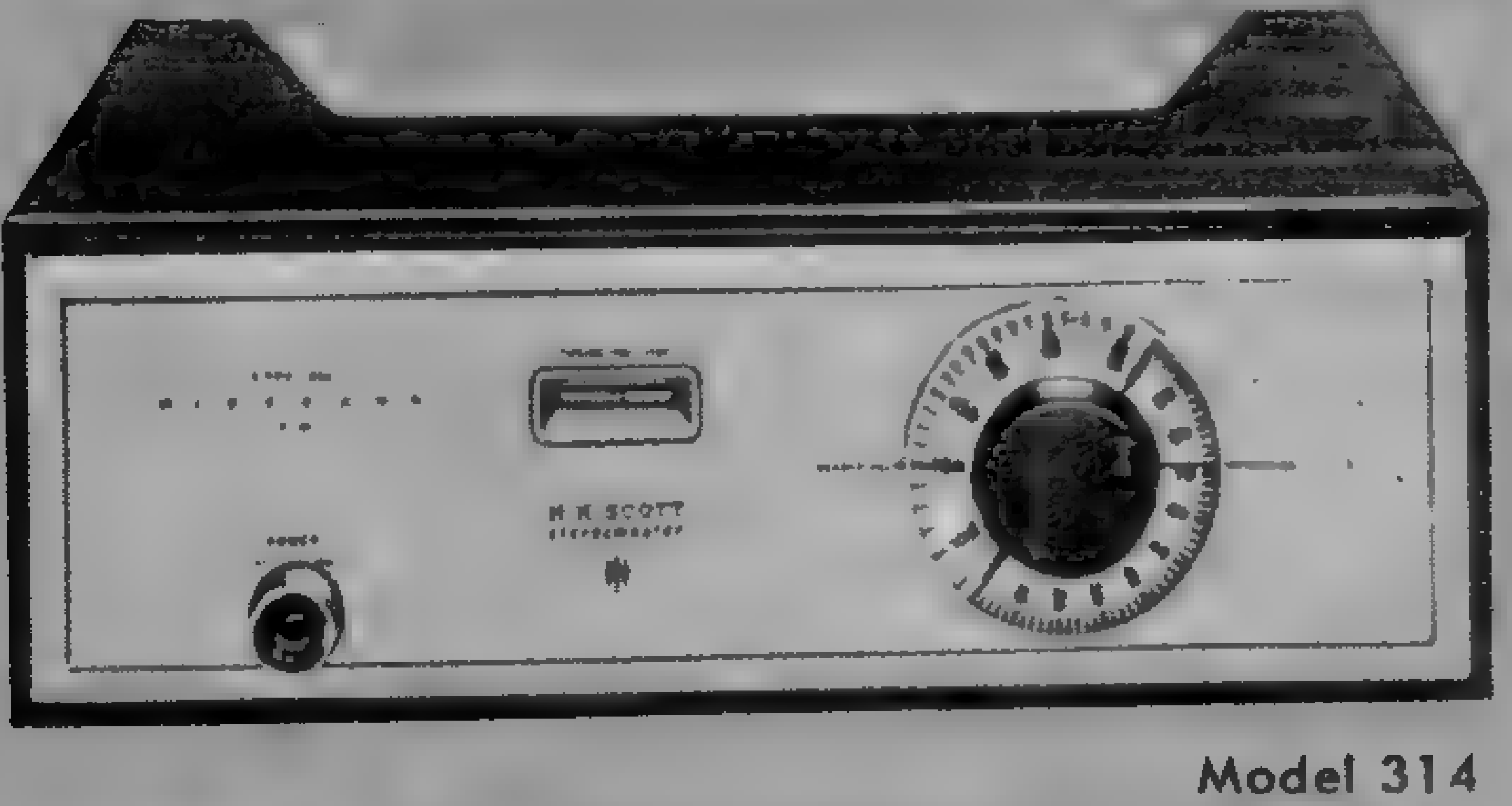
Controls: Selector (Balance A, Balance B, Stereo, Reverse Stereo, Monophonic Records, Channel A, Channel B); Bass and Treble for Channel A; Bass and Treble for Channel B; Balance; Loudness; Tape Monitor switch; Rumble Filter; Loudness-Volume; Scratch Filter; Channel A and Channel B Magnetic Inputs 1 and 2; Power Off-On; Phase Reverse; Input Selector (Eur 78, NARTB Tape, Ortho RIAA, Tuner, Extra). DC filament supply on preamp tubes for low hum.

Response: flat from 20 to 30,000 cps. *Output:* 25 watts per channel. *Hum:* −80 db. *Distortion:* harmonic, less than 0.8%; IM, less than 0.3%. *Output Impedances:* 4, 8 and 16 ohms per channel center-channel output. Employs four 7189 audio output tubes; 5U4GB rectifier. All aluminum chassis; oversize transformers. Size, 4⅝x15¼x12½". Less case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

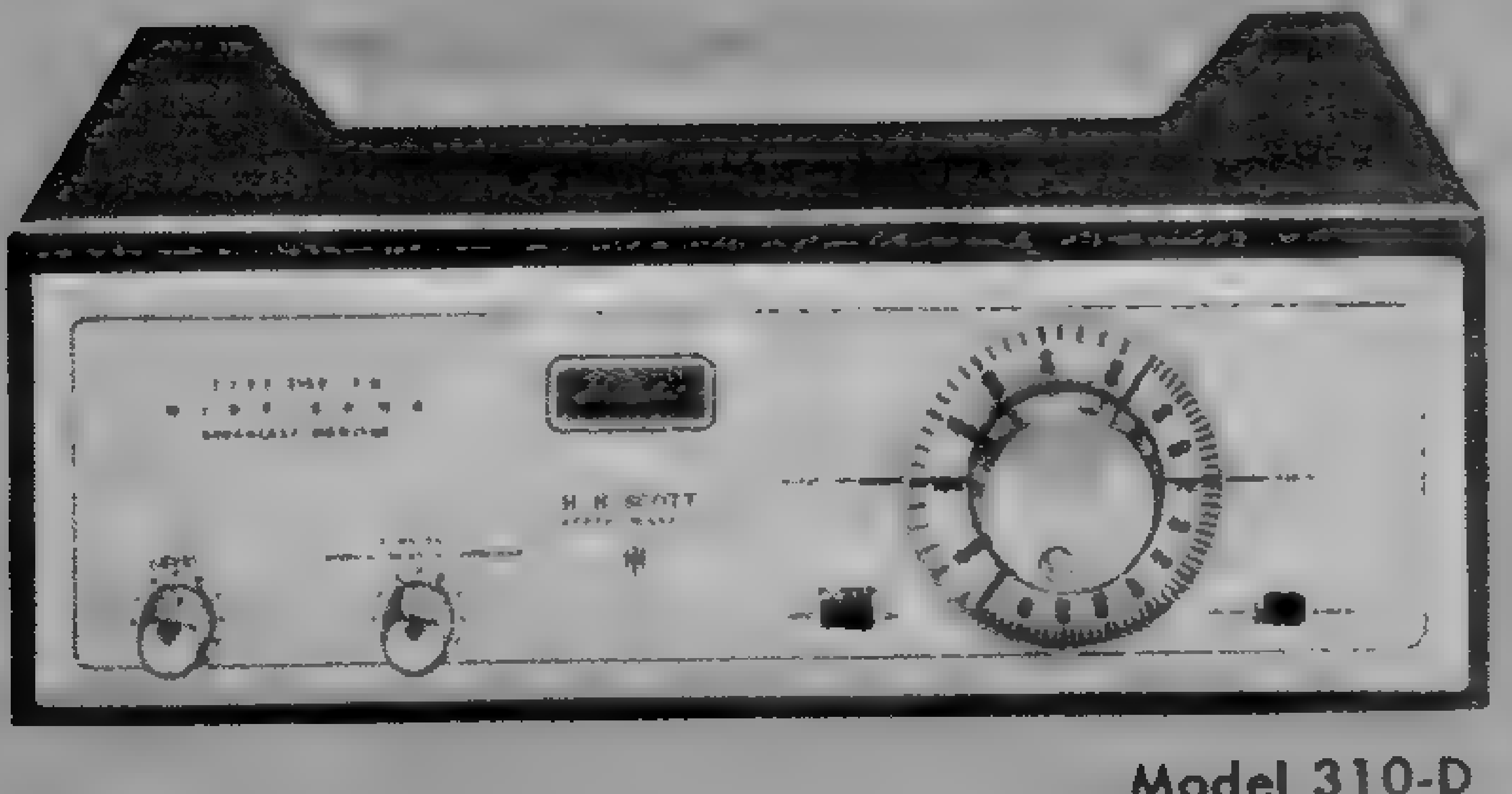
89 SU 860. *Only $10 Down.* NET................209.95

94 SX 577. **Type C Metal Case.** Leather finish. 1½ lbs. NET. 12.95

TYPE C WOOD CASE. In mahogany, limed oak or walnut. 5 lbs.
85 SX 555C. *Specify Finish.* NET. .19.95



Model 314



Model 310-D

MODEL 330-D STEREO WIDEBAND FM-AM TUNER

LESS CASE
NET
$209.95

Superbly designed; offers a host of features. Has com plete, separate FM and AM sections for reception o stereo broadcasts, and provision for adding multiple adapter. New stereo phase reverse circuitry for cor rection of improperly phased FM and AM broadcasts professional instrument tuning controls for vernie and fast tuning; illuminated tuning and signal strengt meter for precision tuning of very weak stations; new, copper-clad alu minum chassis for highest sensitivity with maximum fidelity; new cas design for simplified, custom panel mounting.

FM Section: Silver-plated front end to insure sensitivity of 2½ μ (IHFM standard), and 1 μv for 20 db of quieting with 72-ohm antenna Wideband circuit for selective, no-drift performance—employs 150-k IF passband, 2-mc detector bandwidth, 2 stages of full limiting. 80 d rejection of spurious response from cross-modulation by strong loca signals. Maximum audio output, 4 volts for 75 kc deviation.

AM Section: 1 μv sensitivity for usable audio output; radical new dete tor design assures no detector distortion at highest modulation percent ages and at high frequencies; 3-pos. adjustable IF bandwidth; 10-k whistle filter; 4-volt audio output for 100% modulation.

Controls: FM Tuning; AM Tuning; Mode Selector (Off-On, Mono Stereo, Stereo Phase Reverse); Band Selector (FM, AM Wide, AM Normal, AM Distant); Meter (AM, FM). Separate FM and AM leve controls at rear of chassis, separate output jacks for stereo operation and tape recording, and multiplex. 11 tubes; 2 diodes; 6X5 rectifier. 4⅝ 15¼x12½". Less case, below. For 105-125 v., 50-60 cycle AC. Shpg wt., 17 lbs.

92 SU 897. *Only $10 Down.* NET........................209.9

94 SX 577. **Type C Metal Case.** Leather finish. Wt., 1½ lbs. NET..12.9

TYPE C WOOD CASE. In mahogany, limed oak or oiled walnut. 5 lbs.
85 SX 555C. *Specify Finish.* NET..........................19.9

NEW SCOTT WIDEBAND FM TUNERS

MODEL 314. Moderately priced, wideband FM tuner for optimum FM reception. Wideband design makes possible drift-free tuning and noise free reception of even the weakest stations. Circuit features 150-k passband, 2-mc detector bandwidth, and 2 stages of full limiting. 8 db rejection of spurious response from cross-modulation by strong loca signals. Silver-plated RF section for sensitivity of 2½ μv (IHFM standard); 1 μv for 20 db of quieting with matched, 72-ohm antenna Illuminated tuning indicator, plus vernier and fast tuning. Max. audi output, 1.2 v. for 75-kc deviation. *Controls:* Off-On, Level, Tuning. tubes; 2 diodes; 6FG6 tuning eye; 6X4 rectifier. Size, 4⅝x15¼x12½ Less case, below. For 105-125 v., 50-60 cycle AC. Wt., 10 lbs.

89 SU 441. *Only $5 Down.* NET..........................114.9

94 SX 577 **Type C Metal Case.** Leather finish. 1½ lbs. NET..12.9

TYPE C WOOD CASE. In mahogany, limed oak or oiled walnut. 5 lbs.
85 SX 555C. *Specify Finish.* NET..........................19.9

NEW MODEL 310-D. Scott's finest FM tuner. Among its deluxe feature it lists: wideband design for weak-signal reception free of noise, dri and interference; silver-plating on all critical parts for maximum gai "dynaural" interstation noise suppressor; two feedback stages of lo distortion audio amplification; low-impedance output to permit use long connecting cable. *Sensitivity:* 2 μv (IHFM standard); ¾ of microvolt for 20 db of quieting with matched 72-ohm antenna. Ma mum audio output, 4 volts for 75 kc deviation. 3 stages of full limitin *Controls:* Off-On; Level; Noise Suppressor; Local-Distant swit Tuning. Illuminating tuning meter, etc. *Outputs:* Channel A high a low (Tape); Channel B high and low (Tape); Multiplex. 4⅝x15 12½". Less case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., lbs.

89 SU 865. *Only $5 Down.* NET..........................184.

94 SX 577. **Type C Metal Case.** Leather finish. 1½ lbs. NET...12.

TYPE C WOOD CASE. In mahogany, limed oak or oiled walnut. 5 lbs.
85 SX 555C. *Specify Finish.* NET..........................19.

Choose Your Own Music System Featuring Scott Components—Write for a Price Quotation

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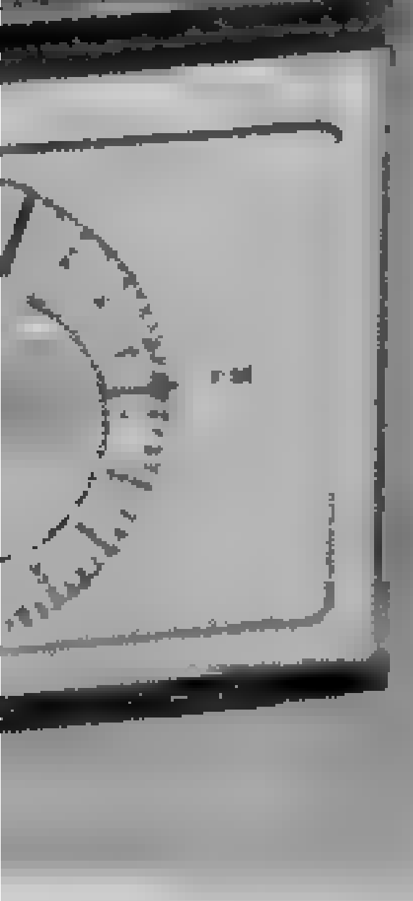

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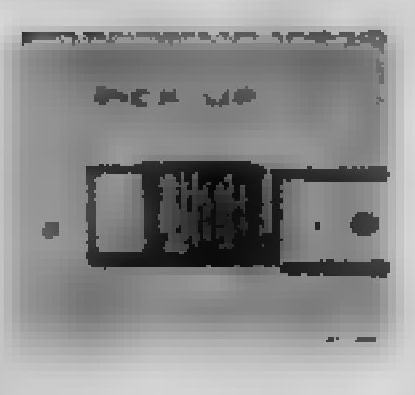
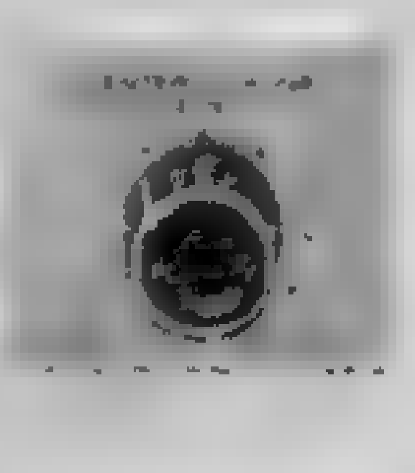
The ultimate in Scott amplifiers—contains facilities for any stereo or monophonic mode of operation

Full 88 watts of power with stereo preamplifier

UNIQUE "EXTRA" FEATURES



Pickup Switch. Allows selection between two magnetic stereo cartridges, or between a stereo and monophonic cartridge.



Center Channel Level Control. Located on the front panel for the optimum in convenience.

Input Level Control for Phono. On Channel A and B—can be used to control a tape deck.

DISTINGUISHING FEATURES OF SCOTT HIGH-FIDELITY

Some of the characteristics that distinguish this fine line of hi-fi components from the ordinary are listed below.

TUNER FEATURES

- Wideband FM Circuit Design
- Silver-Plated Cascode RF Front End—Super-Efficient
- Planetary Tuning Mechanism, Illuminated Lucite Dial
- Tuning Indicator
- Tape Recorder Outputs
- Multiplex Output Jack
- Output Level Controls

AMPLIFIER FEATURES

- Advanced Hi-Fi Engineering
- DC on Preamplifier Tubes
- Center-Channel Output
- Signal Lights to Indicate Mode of Operation
- Electronic Crossover Use
- Scratch, Rumble Filters
- Handsome, Custom Styling

NEW MODEL 272 88-WATT STEREO AMPLIFIER

LESS CASE
NET
$\$269^{95}$

- Superior Construction and Design—Every Desirable Control
- Specially-Designed Output Stage and Oversize Transformers—Supplies Full 88 Watts of Power for Stereo/Monophonic Use

An outstanding amplifier that includes every conceivable input and control facility, both stereo and monophonic, that is currently available. It has a host of features: center-channel output; separate tone controls for each channel; dual phono inputs; phase reverse; Scott's patented dynamic rumble suppression circuit; scratch filter; center-channel level control; tape monitor switch; separate level controls (allowing the 272 to be used with all types of speakers); input level control for phono; record and tape equalization; and many others.

Stereo tape recorder facilities include: recorder output; playback input (monitor provision), front-panel tape monitor switch; NAB tape playback compensation for direct connection to tape recorder heads. The Master selector switch allows the 272 to be used for any of these modes of operation: stereo records (using low-level magnetic or high-level crystal stereo cartridges); stereo AM-FM broadcasts; using a stereo cartridge for monophonic records; playing a monophonic source through either or both amplifiers (channels); etc.

Special circuit features: preamplifier tube heaters DC-operated to eliminate virtually all hum; self-balancing phase inverter to automatically compensate for variation in output tubes due to aging; DC bias and AC balance controls for laboratory adjustment of amplifier; all-aluminum chassis to minimize ground loop problems. *Output:* 36 watts per channel; 44 watts per channel on music waveform. *Hum & Noise:* better than 80 db below full power output. *Harmonic Distortion:* 0.8% at full power output. *Response:* flat from 20 to 30,000 cps. *Output Impedances:* 4, 8 and 16 ohms' each channel. *Tubes:* 6—12AX7, 6AU6, 2—6BL8, 4—6CA7/EL34; 2—5U4 rectifiers. Size, 6¾x16¾x13¾″. Less case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 42 lbs.

89 SU 861. *Only $10 Down.* NET.. **269.95**

TYPE FW WOOD CASE. In mahogany, limed oak or oiled walnut. Wt., 5 lbs.

85 SX 556C. *Specify Finish.* NET.. 29.95

NEW MODEL 222-B 30-WATT STEREO AMPLIFIER

Has features rarely offered in amplifiers selling for less than $200.00

LESS CASE
NET
$\$144^{95}$

An excellent value at this moderate price, the 222-B includes separate bass and treble controls for each channel, plus a unique balancing feature that lets you bring both channels into proper volume balance, quickly and easily; etc. *Controls:* Input Selector (Phono or Tape Head, Tuner, Extra); Function Selector (Balance Channel A, Balance Channel B, Monophonic Records, Stereo, Reverse Stereo, Channel A Monophonic, Channel B Monophonic); Bass Channel A; Treble Channel A; Bass Channel B; Treble Channel B; Stereo Balance; Loudness/Off-On; Volume-Loudness; Scratch; Equalization (RIAA or NAB Tape); and Tape Monitor. *Output:* 30 watts. *Hum & Noise:* – 80 db. *Response:* flat from 20 to 30,000 cps. *Distortion:* harmonic, 0.8% at full power output; IM, 0.3%. *Output Imp.:* 4, 8 and 16 ohms per channel. Four 6BQ5 output tubes. Size, 4⅝x15¼x12½″. Less case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 21 lbs.

89 SU 862. *Only $5 Down.* NET.. **144.95**

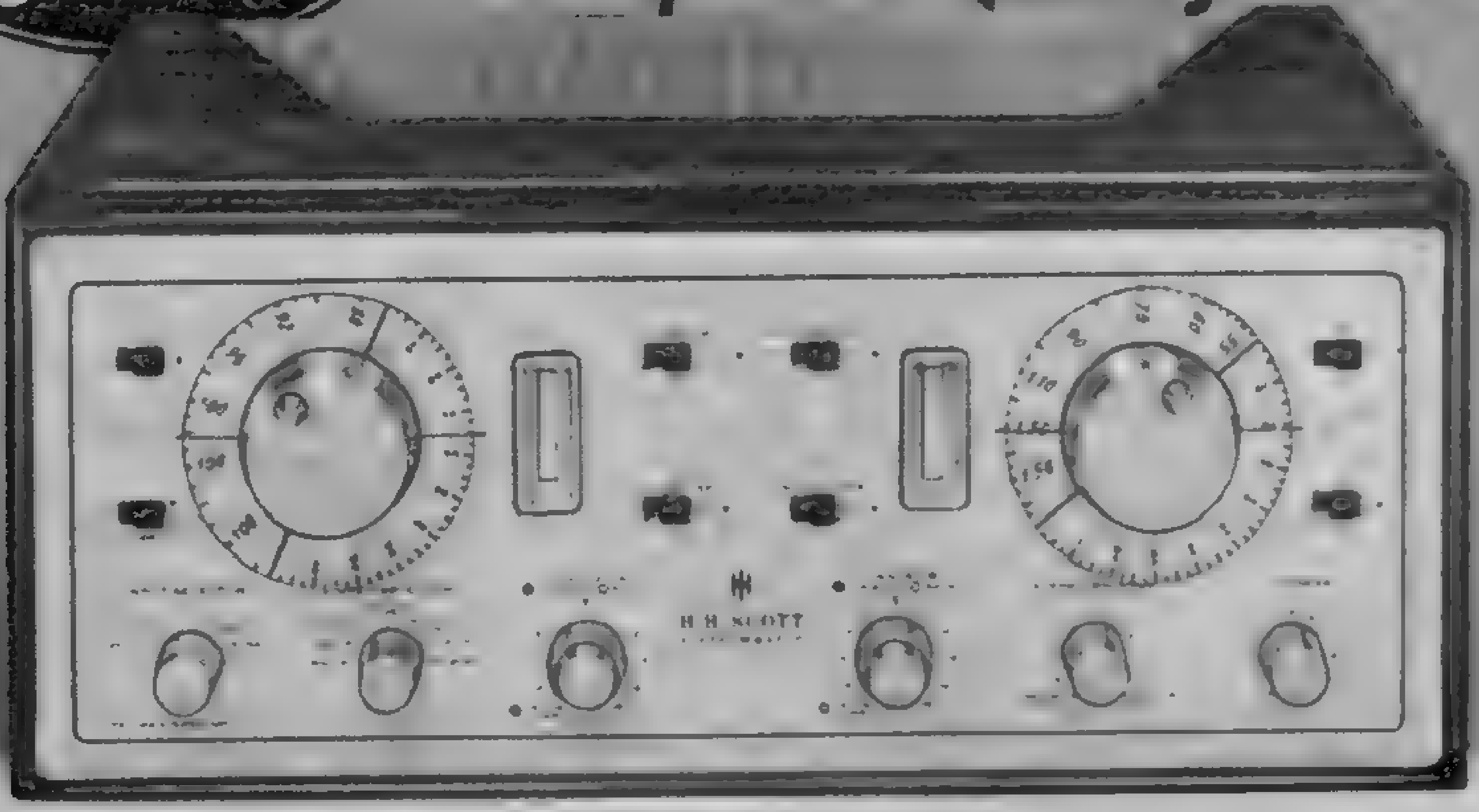
94 SX 577. Type C Metal Case for Above. Leather finish. Wt., 1½ lbs. NET........ 12.95

TYPE C WOOD CASE. In mahogany, limed oak or walnut. Wt., 5 lbs.

85 SX 555C. *Specify Finish.* NET.. 19.95

Scott High-Fidelity Components Are Available On Allied's Easy Payment Plan

Scott . . . Superior Quality and Excellence



New stereo tuner/amplifier that combines Scott's 299 stereo amplifier and 330-D stereo FM-AM tuner on a single, compact chassis

FEATURES

- 40-Watt Stereo or Monophonic Output
- Full Array of Controls

NEW MODEL 399 STEREO FM-AM TUNER/40-WATT AMPLIFIER

LESS CASE
$389.95
$10 down

A masterpiece of high fidelity engineering, the new 399 includes many features that recommend it to the discerning audiophile: single chassis design to permit easy custom installation; all controls centralized on the front panel for simplified system operation; and the combination of two of Scott's most renowned components into a single instrument. *Tuner Features:* heavily silver-plated FM front end for maximum sensitivity and reliability; separate, sensitive AM front end; separate FM and AM professional tuning controls for precise station selection; wideband FM detector design for distortion-free reception of even the weakest signals; separate tuning eyes for FM and AM; switching provisions for FM multiplex stereo or FM-FM stereo; new wide-range AM detector design for hi-fi performance on AM stations; illuminated lucite tuning dials.

Amplifier Features: provision for connecting stereo phono cartridge and stereo tape heads or two phono cartridges; 40-watt power stage—more than enough to drive today's low-efficiency speaker systems; phase reverse switch to compensate for improperly phased tape recordings or speakers; third channel output; special switching to permit use of stereo pickup on monophonic records; special balancing circuit for quick and accurate balancing; complete switching facilities for tape recording and monitoring; separate record scratch and rumble filters; separate bass and treble controls on each channel; DC filament supply in dual preamp section to virtually eliminate hum; ten stereo inputs (5 pairs); indicator lights to quickly show mode of operation; and many more. You need add only stereo speakers and record changer (or turntable) to the 399 to have a stereo music system of unexcelled quality. 6¾x16¼x13¾". Less case, below. For 105-125 v., 50-60 cycle AC. Wt., 40 lbs.
89 SZ 354. *Only $10 Down.* NET..389.95

TYPE F WOOD CASE. In mahogany, oak or walnut. Shpg. wt., 3 lbs.
85 SX 556C. *Specify Finish.* NET..29.95

SPECIFICATIONS

FM Sensitivity: 1 microvolt for 20 db of quieting at 72-ohm antenna terminals (IHFM rating, 2.5 μv).

FM Detector Bandwidth: 2 mc.

Frequency Response: from 20 to 30,000 cps with tone controls set flat.

Harmonic Distortion: 0.8% at full power output.

Output Impedances (each channel): 4, 8 and 16 ohms.

Noise & Hum: better than 80 db below full power output; noise equivalent to 10 microvolts on low-level input.

IM Distortion: 0.3%.

Model 122
Dynaural Stereo Preamplifier

Model 290
90-Watt Basic Stereo Amplifier

NEW MODEL 122 STEREO PREAMPLIFIER

LESS CASE
$285.00
$10 down

This deluxe stereo preamplifier offers a full array of controls and inputs, and in addition includes Scott's patented Dynaural Noise Suppressors on each channel to assure optimum enjoyment from stereo records where scratch and rumble may be factors. Unique "Dynicator" light indicators for instant visual indication of noise suppression operation. Other features: center channel output with front-panel level control; separate bass and treble controls for each channel; rapid balancing of stereo channels; equalization for microphone input; and tape monitor facility. Has four magnetic inputs (2 stereo pairs), for connecting both a stereo tape deck and stereo phono cartridge, and selecting between the two from the front panel.

Stereo tape recorder facilities include: recorder output; NARTB tape playback compensation for direct connection to tape recorder heads; rear-panel level controls. *Magnetic Input Sensitivity:* 3 mv for 2½ volts output. *Response:* flat from 19 to 35,000 cps. *Hum & Noise:* −80 db. *Tubes:* 10—12AX7, 6AU6; 2—6FG6 tuning indicator tubes; 6x4 rectifier. Size, 4⅝x15¼x12½". Less case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 17 lbs.
89 SU 864. *Only $10 Down.* NET......................285.00
94 SX 577. Type C Metal Case. Leather finish. 1½ lbs. NET. 12.95
TYPE C WOOD CASE. In mahogany, limed oak or walnut. Wt., 5 lbs.
85 SX 555C. *Specify Finish.* NET......................19.95

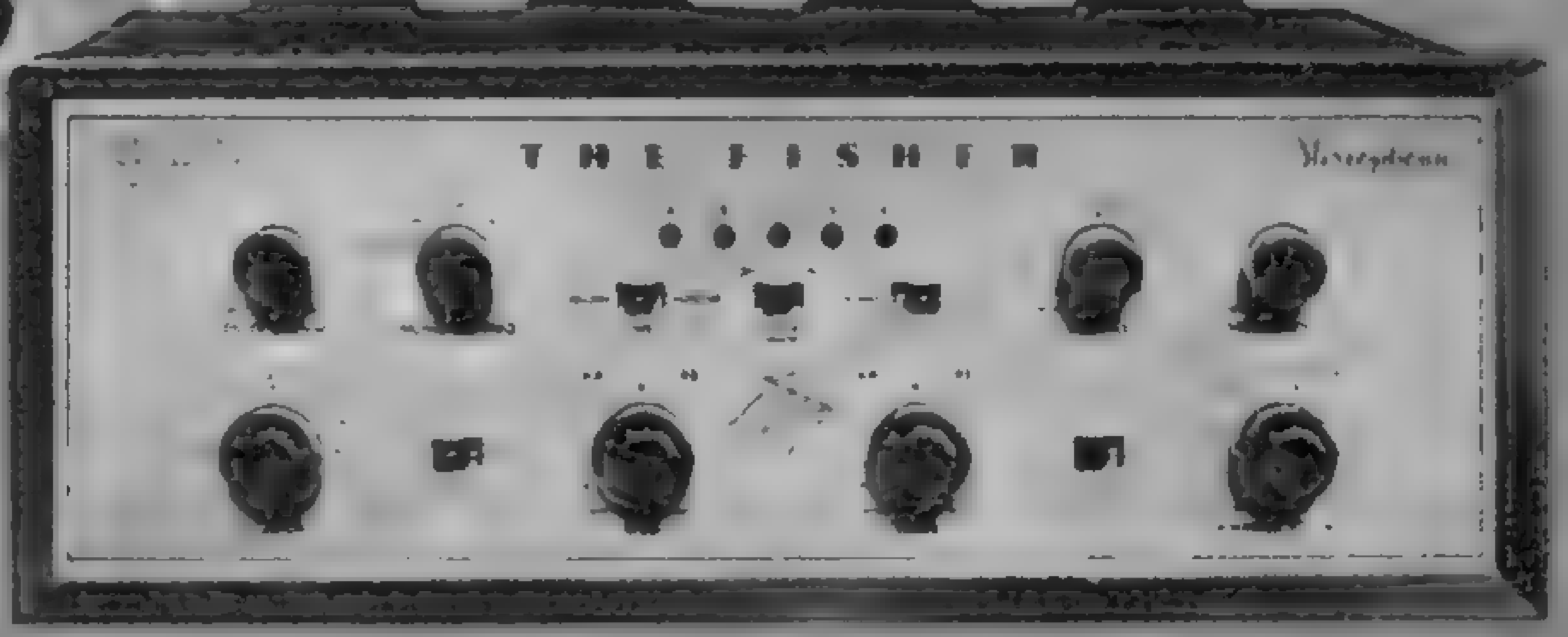
NEW MODEL 290 100-WATT STEREO BASIC AMPLIFIER

NET
$239.95
$10 down

Recommended for use with the Model 122 stereo preamp above, to form the "heart" of a stereo system with high power capability and unlimited control flexibility. The 290 features "power-balance" output circuitry for extremely low distortion at all listening levels. Precision meter incorporated into its construction, provides instant measurement of bias voltages—permits monitoring circuit operation at all times. *Power Output:* 50 watts each channel on music waveform (short-time RMS); 40 watts continuous maximum output for laboratory applications on each channel. *Response:* flat from 20 to 40,000 cps. *Harmonic Distortion:* less than 0.5% at full output. *IM:* less than 0.1%. *Hum & Noise:* −85 db. *Output Imp.:* 4, 8 and 16 ohms. *Controls:* 2—Input Level; 2—Hum Balance; 2—AC Balance; 4—Bias Adjustment. Four 6CA7 output tubes. Size, 7¼x15¼x11¼". For 105-125 v., 50-60 cycle AC. Shpg. wt., 48 lbs.
89 SU 863. *Only $10 Down.* NET......................239.95

FISHER Excellence in High-Fidelity

engineered for the professional
. . . designed for the home



Two superb stereophonic instruments from one of the most famous names in High-Fidelity. Built to highest standards, the 101-R Stereo Tuner and new X-202 Stereo Amplifier will provide years of outstanding performance.

Model 101-R Stereo FM-AM Tuner

NET

$\$229^{50}$

$10 down

A stereo FM-AM tuner of superior quality and design. Has entirely independent FM and AM sections for stereo or monophonic use. *FM Section:* Sensitivity, 0.75 microvolts for 20 db of quieting. "Micro-Ray" tuning indicator; gear-driven flywheel tuning. Gold Cascode RF amplifier stage, four IF stages for maximum gain and bandwidth with minimum distortion, and automatic interstation noise suppression. Wideband ratio detector uses a pair of matched germanium diodes. *AM Section:* Sensitivity, 3½ microvolts for 0.5 volt output. Tuned RF stage for maximum signal-to-noise ratio, and IF rejection. 2 IF stages with 3 IF transformers for high gain. Two-position bandwidth selector; "Micro-Ray" tuning indicator; 10-kc whistle filter. *Controls:* AM Tuning; AM Selector (Power Off-On, AM Off, Broad, Sharp); FM Selector (FM Off, Tune, Listen); FM Tuning. FM output level adjustment; AM output level adjustment. *Outputs:* FM Output, FM Recording, AM Output, AM Recording, FM-AM Output. FM-AM Recording, FM Multiplex. 12 tubes; 2 diodes; 2 tuning indicators; EZ81/6CA4 rectifier. Less cabinet (see next page). 4 13/16x15⅛x13". For 105-125 v., 50-60 cycle AC. Shpg. wt., 20 lbs.

91 SU 683. *Only $10 Down.* **NET** 229.50

New Model X-202 50-Watt Stereo Amplifier

NET

$\$229^{50}$

$10 down

Typical of the uncompromising quality of Fisher components, the new X-202 offers a host of desirable features. In addition to a full array of standard controls, it has a new "Stereo Dimension" control for blending the sound from either channel into the other—enables the listener to select any degree of separation required for optimum stereo effect under any room conditions. Also includes separate center channel output, with its own volume control and off-on switch, for use with a separate third channel amplifier and speaker. The X-202 employs a total of 21 controls and switches on front and rear panels, plus 6 adjustment controls atop the chassis. Includes Record-Monitor tape facilities.

Output: 50 watts. *Distortion:* IM, 0.4%; harmonic, 0.8% at full rated output. *Response:* ±½ db, 20-20,000 cps. *Hum & Noise:* -90 db. Four 7189 output tubes; GZ34 rectifier. Five Channel Indicator lights for visual indication of mode of operation. *3 Outputs:* 2—recorder; 1 center channel. *Output Imp.:* 4, 8 and 16 ohms each channel. Size, 4 13/16x15⅛x12½". Less cabinet; see following page. For 105-120 v., 50-60 cycle AC. Shpg. wt., 36 lbs.

89 SU 399. *Only $10 Down.* **NET** 229.50

NEW MODEL 400-CX STEREO PREAMPLIFIER. Gives you a total of 27 controls and 18 inputs for incomparable control flexibility! Includes: "Sonic-Null" stereo balancing. "Stereo Dimension" separation control, record-monitor facilities, pushbutton selectors, indicator lights, phase-reverse, etc. *Distortion:* less than 0.4%. *Hum & Noise:* −80 db. 10 tubes. Size, 4 13/16x15⅛x11½". Less cabinet; see next page. For 105-120 v., 50-60 cycle AC. Shpg. wt., 20 lbs.

89 SU 850. *$5 Down.* **NET**......199.50

MODEL 202-T STEREO FM-AM TUNER/PREAMP. Offering the ultimate in hi-fi performance, the 202-T combines a stereo FM-AM tuner and Master Control Stereo Preamp. *FM Section:* Sensitivity, effective limiting below 1 μv. 4 IF stages, with extra-wideband pass, tuning indicator; etc. *AM Section:* Tuned RF stage, 5 μv sensitivity; 2 IF stages with 3 IF transformers; 10-kc whistle filter; tuning indicator. *Master Audio Control:* 18 front-panel controls: 4 outputs; 7 level-set controls. 20 tubes; 4 diodes. Less cabinet: see next page. 4 13/16x17x13⅞". For 105-125 v., 50-60 cycle AC. Wt., 25 lbs.

89 SU 314. *$10 Down.* **NET**....349.50

MODEL 100-T STEREO FM-AM TUNER/PREAMP. Not illus. Has superb, independent FM and AM tuning sections; 14 controls and switches on front panel, 5 on rear panel; 7 inputs; 15 tubes. 2 diodes and EZ80/6V4 rectifier. 4 13/16x15⅛x11 15/16". Less cabinet; next page. For 105-125 v., 50-60 cycle AC. 20 lbs.

89 SU 315. *$10 Down.* **NET**....249.50

MODEL SA-300 60-WATT STEREO BASIC AMPLIFIER. Not illus. *Output:* 60 watts; 140 watts peak. *Response:* ±½ db, from 20 to 20,000 cps. *Hum:* −100 db. *Inputs:* 2 each channel; one for flat response—one with controlled response. 4 EL34/6CA7 output tubes. With cover. 6⅛x16⅝x7¼". For 105-125 v., 50-60 cycle AC. 36 lbs.

92 SU 847. *$5 Down.* **NET**......179.50

NEW MODEL FM-50 BASIC FM TUNER. Easily one of the finest tuners available. Despite its unusually moderate price, the FM-50 provides a remarkable 1.3-microvolt sensitivity for 20 db of quieting. Its superb circuit features four IF stages for maximum fidelity and high gain. Dual-purpose "Tuning Eye" assures pin-point tuning of stations and can also be used as an Audio Level Indicator with any tape recorder being used with the FM-50 for "off-the-air" recordings.

Also features: FM interstation noise suppression; low-impedance output stage to allow the use of connecting cables up to 50 feet long; four output jacks for connecting to high or low-level inputs of amplifier or tape recorder; multiplex adapter jack; etc. *Harmonic Distortion:* less than 1% at 100% modulation. 7 tubes; 2 diodes; selenium bridge rectifier. 4 13/16x15⅛x8⅜". Less cabinet; see next page. For 105-125 v., 50-60 cycle AC. Shpg. wt., 14 lbs.

89 SU 851. *$5 Down.* **NET**......129.50

MODEL FM-100 BASIC FM TUNER. An incredibly sensitive basic FM tuner, the FM-100 features "Micro-Gap" cascode RF stage, dual-triode mixer-oscillator, four wide-band IF stages and a wide-band ratio detector. Front panel muting control eliminates sideband response, interstation noise, and unwanted, weak or noisy signals. *Sensitivity:* Only 0.8 microvolts for 20 db of quieting. *Signal-to-Noise Ratio:* 60 db for 100 μv input. *IF Bandwidth:* 6 db down at 220 kc.

Controls: Selector (Off-On, FM, Multiplex Stereo, Main Channel, Multiplex Channel); Muting; Multiplex Separation; and FM tuning. "Micro-Ray" indicator for pin-point station tuning. 8 tubes plus 4 germanium diodes; EM84 tuning indicator; EZ80 rectifier. Size, 4 13/16x15⅛x13". Less cabinet; see following page. For 105-125 v., 50-60 cycle AC. Shpg. wt., 18 lbs.

89 SU 320. *$5 Down.* **NET**......169.50

FISHER Engineere

. . . A LIVING TRADITION

Two splendid stereo FM-AM Tuner/Amplifiers . . . you need add only stereo record player and stereo speakers to either of these two components, to have an exceptional stereophonic music ensemble.

Model 600 Stereo FM-AM Tuner/Amplifier

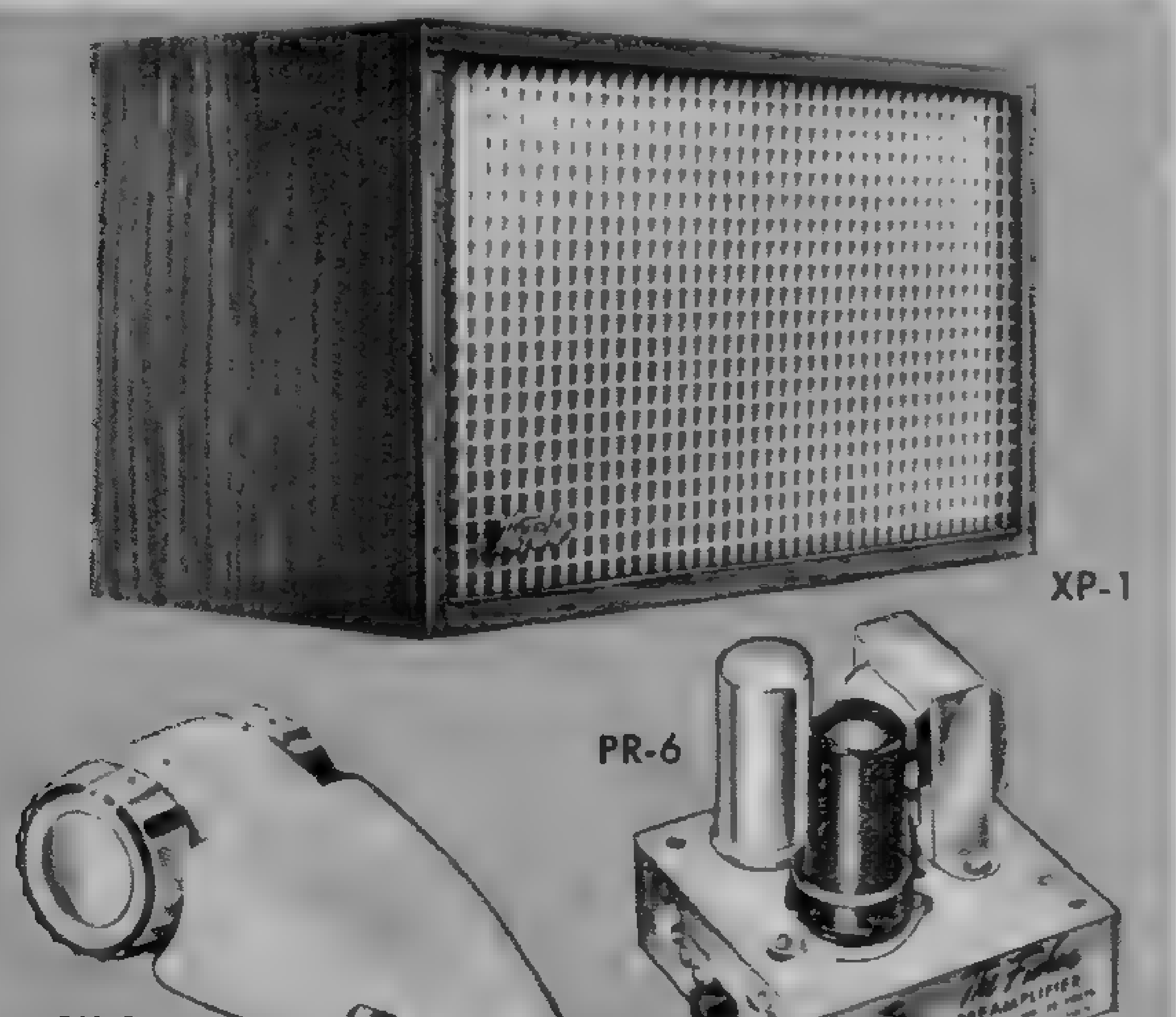
NET
$\$369^{50}$
$10 down

A magnificent instrument, the "600" is designed for the discerning audio enthusiast. Gives you on one chassis—a stereo FM-AM tuner, 40-watt stereo amplifier, and Master Audio Control. Add only stereo speaker systems and record changer, to have a complete stereo music ensemble, capable of handling any existing stereo or monophonic signal source. Features a total of 15 inputs and outputs, plus FM multiplex, tape input and output jacks.

FM Section: Cascode RF stage for high sensitivity and maximum signal-to-noise ratio—only 1 μv provides ample limiting. Low-noise triode mixer for minimum drift; 3 high-gain IF stages. Wide-band ratio detector and separate limiter for minimum distortion and best noise suppression. "Micro-Ray" bar-type tuning indicator for precise tuning. *AM Section:* High-gain RF stage, pentagrid mixer and oscillator, and IF stage. Rotatable, effective ferrite antenna. Two bandwidth (10 kc and 4 kc) positions selected by front-panel switch. 10-kc whistle filter. Separate "Micro-Ray" bar-type tuning indicator.

Audio Section: Two 20-watt audio channels for 40 watts of stereo power output; 70-watt peaks. *Response:* ±1 db, 25-20,000 cps. *Hum* level adjustments. Less cabinet, see below. 4$\frac{13}{16}$x17x14½". For *& Noise:* —90 db. *Output Imp.:* 4, 8 and 16 ohms per channel. 5 input 105-125 v., 50-60 cycle AC. Shpg. wt., 40 lbs

92 SU 863. *Only $10 Down.* NET.................... 369.50



New Model 800 Stereo FM-AM Tuner/Amplif

NET
$\$429^{50}$
$10 down

Fisher's best! A notable achievement in hi-fi sign, the "800" gives you—on a single, struc ally perfect chassis—incomparably sensit stereo FM and AM tuners; 60-watt stereo plifier; and Master Audio Control. FM tu employs Golden-Cascode RF amplifier, same "front end" used in broadcast-qua Fisher tuners. FM sensitivity is 1 μv for 20 db of quieting! tuner delivers a signal of FM quality, for hi-fi reception of FM- stereo. AM sensitivity is 10 μv for 1 watt output. Other tuner tures include: separate "Micro-Ray" tuning "eye" indicators; FM level control for matching AM signal to FM signal level, perfect stereo balance; etc.

Circuit employs four 7591 high-efficiency audio output tubes. *put:* 60 watts. *Response:* flat from 19 to 32,000 cps. *Hum, Nois Distortion:* completely inaudible. *Output Impedances:* 4, 8 anc ohms. *Input & Output Connections:* total of 15, for every stereo monophonic program source, including center channel, tape m toring and multiplex stereo operation. Five level sets control amount of input signal from program sources; 24 controls for limited flexibility. Employs 20 tubes, plus 2 diodes in power su and bridge rectifier for filaments. 4$\frac{13}{16}$x17x13⅞". Less cabi below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 40 lbs.

89 SZ 401. *Only $10 Down.* NET........................429.

New Model XP-1 3-Way Speaker System

NET
$\$129^{50}$
$5 down

Handsome and compact, 3-way speaker sys that offers unexcelled bass, mid-range and tr reproduction. Inner components of the new 1 include: 12" woofer with bellows-type, piston suspension; 5" mid-range cone, seale prevent standing waves; 3" cone-type twe employs Golden-Cascode RF amplifier, magnet, fully encapsulated within a steel bi and 2" voice coil. Walnut finished enclosure of ¾" hardwood is metically sealed and completely filled with "AcoustiGlas" sou deadening material. The unique magnet assembly of the XP- said to be 92% more efficient than conventional ring magnets. Cr over points of built-in networks: 1800 and 5000 cps. Includes cessed Presence/Brilliance control at rear of enclosure. *Overall sponse:* 30 to 18,000 cps. Size, 13¼x24x11¾". Impedance, 8 oh *Requires 10 clean watts of audio power.* Shpg. wt., 40 lbs.

70 DU 611. *Only $5 Down.* NET........................129.

MODEL RK-1 STEREO REMOTE CONTROL

For use with 400-CX, X-202 and 202-T stereo units. Permits ren control of channel balance and volume. 2 control dials, one for channel. With 30-ft. cable. 4" long. 1½ lbs.

92 S 848. NET ....17.

MODEL PR-6 PREAMPLIFIER

RIAA-equalized for phono; NARTB-equalized for tape head p back. For low-level magnetic cartridge, tape deck or mike. 3¾x3⅝". For 105-125 v., 50-60 cycle AC. Wt., 1½ lbs.

98 S 528. NET...............................12.

METAL AND WOOD CABINETS FOR FISHER COMPONENTS

Beautifully styled in the classic tradition, these cabinets are the product of the same skilled workmanship that goes into the excellent music reproducing instruments that carry this renowned name. Cabinets are styled to complement the distinctive, brushed brass panels of Fisher hi-fi components.

Metal cabinets have a simulated leather finish; the Model 10-U hand-rubbed hardwood cabinet is available in two finishes to harmonize with most traditional or modern decors—mahogany and walnut. **Be sure to specify choice when ordering.**

Stock No.	Model No.	Cabinet	Fits	Size, HWD	Wt., Lbs.
92 S X 838C	10-U	Wood	400-CX, 101-R, X-202, X-100, FM-50, 100-T, FM-100	6x15$\frac{11}{16}$x12½"	8
89 SX 316	MC-1	Metal	Fits all listed above, except 101-R	6$\frac{1}{16}$x15$\frac{11}{16}$x12⅞"	5
92 SX 964	TA-6	Metal	600, 202-T	6$\frac{1}{16}$x17½x13½"	5
89 SX 402	TA-8	Metal	800	6$\frac{1}{16}$x17½x13½"	5

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⅛"	5	15.9
"	5	17.9
"	5	17.9

HIGH-FIDELITY EXCELLENCE

Every Fisher high-fidelity music component is warranted to equal or exceed the technical perfection of the Master Standard Sample Unit kept in the Fisher engineering laboratories. The achievements of this organization in the field of music reproducing components, have long been recognized by leading audio authorities everywhere.

New! Model X-100 36-Watt Stereo Amplifier

NET $159.50
$5 down

A splendid example of precise design and far-sighted engineering, the X-100 stereo amplifier contains all the controls and facilities that you need for complete enjoyment of any stereo or monophonic program source. Gives you 36 watts of flawless sound, totally free of audible hum, noise and distortion; preamplifier sections feature 14 input jacks (7 pairs) to accommodate every known signal source. Seventeen front panel controls and switches permit adjusting volume, balance and tonal characteristics through every delicate shading of the entire audio range.

Include: record-monitor switch for hearing the sound being recorded on tape; center channel output, controlled by separate off-on switch, which provides a composite stereo signal for driving a third amplifier and speaker system; Master volume control; loudness switch; NARTB and RIAA equalization; independent, concentric bass controls—one for each channel; independent, concentric treble controls—one for each channel; wide-range balance control; scratch and rumble filters; phono level controls; etc. Includes top-of-chassis bias control for adjusting bias voltages of Channel A and B power amplifiers, as well as compensating for aging of power tubes. *Output Impedances:* 4, 8 and 16 ohms for each channel. Size, 4$\frac{13}{16}$x15⅛x11⅞". Less cabinet; see preceding page. For operation from 105-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

89 SU 435. *Only $5 Down.* NET....................159.50

SPECIFICATIONS

Output: 36 watts.
Frequency Response: ±1 db. from 20 to 20,000 cps.
Hum & Noise: completely inaudible—more than 90 db below full rated output.
Channel Separation: better than 50 db.
Harmonic Distortion: 0.5% at 16 watts; 0.8% at 18 watts.
Low-Level Sensitivity: at rated output, Low-level Magnetic Phono, 3 mv; high-level Magnetic Phono, 10 mv; Ceramic Phono, 150 mv; Tape, 1.8 mv.
High-Level Sensitivity: at rated output, Tuner, 0.18 volt; Aux 1, 0.18 volt; Aux 2, 0.18 volt. Monitor, 0.5 volt.
Tubes: 4—EL84/6BQ5 output tubes; 4—ECC83/7025/12AX7; 2—7247; GZ34/5AR4 rectifier.

McIntosh World-Famous, Top-Rated High-Fidelity Components

MODEL C20 STEREO PREAMPLIFIER

Highly advanced in control flexibility, the C20 stereo preamp-compensator is masterfully designed to provide complete command over stereo or monophonic music reproduction. 15 pairs of stereo inputs make this exceptional unit compatible with professional recording or broadcast installations. *Response:* ±½ db, 20-20,000 cps. *Distortion:* Less than 0.2%. *Hum and Noise:* −85 db. *Controls:* Mode Selector (Reverse, Stereo, Left, Right, etc.); Balance; Phase Reverse; HF Cut off (Flat, 9 kc, 5 kc); Aural Compensator; Volume/Off-On; Input Selector (Aux, Tape, Tuner 1 or 2, Phono 1 or 2 Stereo or Monophonic; Tape Head 1 or 2; Record Compensators; Bass; Treble; Rumble Filter; Playback-Record Switch; Tape Compare Switch. 4¾x14¾x12". Less cabinet, below. For operation from 110-120 v., 50-60 cycle AC. Shpg wt., 17 lbs.

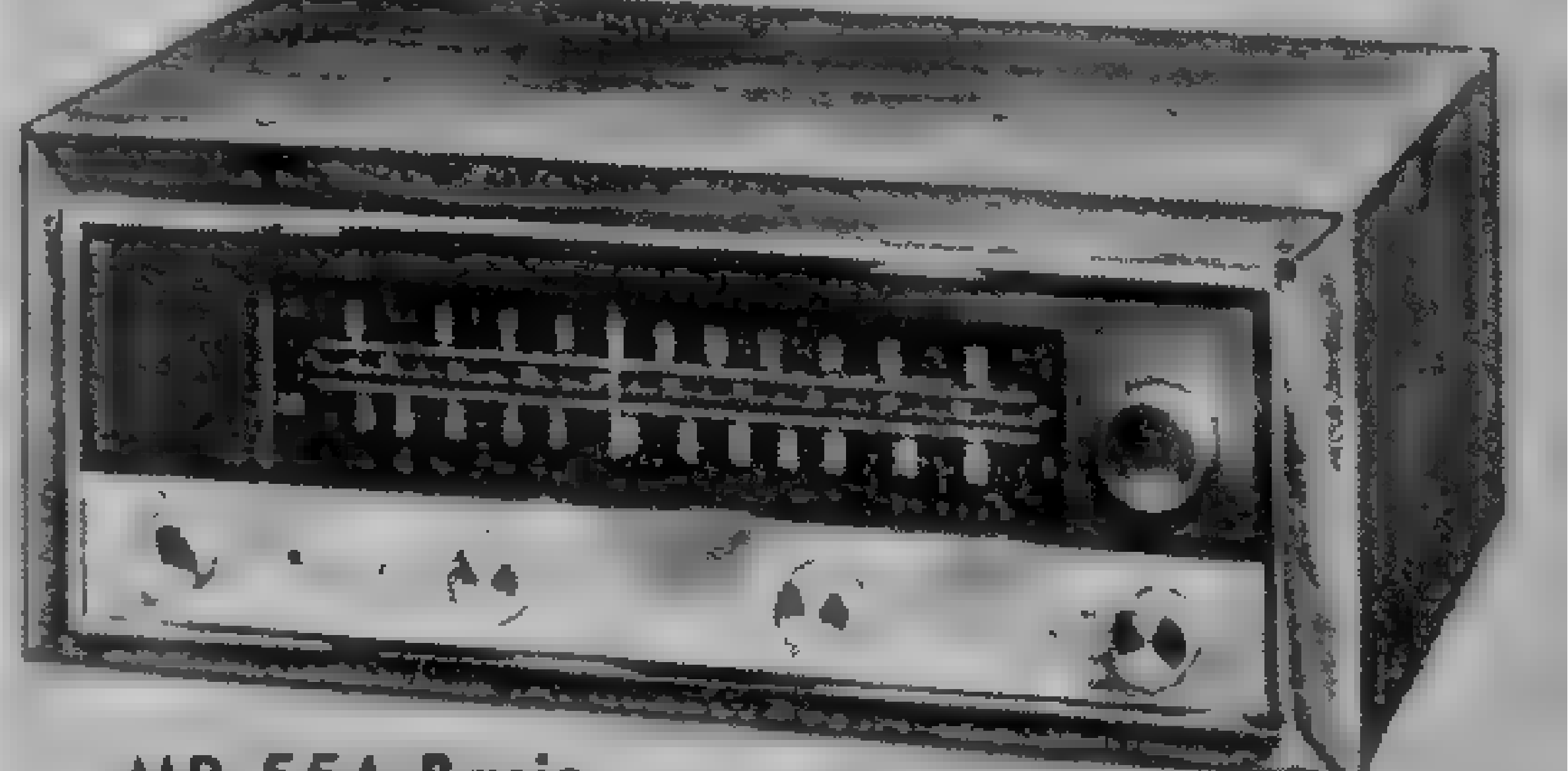
92 SU 836. *Only $10 Down.* NET 234.00
91 SX 695C. **Wood Cabinet for C20.** *Specify mahog. or walnut.* 5 lbs. NET ..25.00

C20 Stereo Preamp

MODEL MR-55A BASIC FM-AM TUNER

For the audio connoisseur. *AM Section.* Sensitivity: 1½ μv. Distortion: less than 1% at 100% modulation. 3 positions of AM sensitivity; 3 positions of bandwidth; whistle filter. *FM Section.* Sensitivity: 3μv at 100% modulation for a total of less than 3% total noise and distortion. 4 IF amplifiers. IF bandwidth; 200 kc; flat on top. 2 limiters; 2-mc limiter and detector bandwidth. Ultra-sonic muting. Distortion-free automatic frequency control with separate detector; completely variable. *Controls:* Off/FM AFC; AM Sensitivity; Off-On/Volume; FM Listen-Tune; AM Broad-Medium-Sharp; Phono. *Outputs:* Main, Multiplex. 4¾x14¾x12". Less cabinet, below. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt. 27½ lbs.

89 SU 301. *Only $10 Down.* NET . 276.00
91 SX 695C. **Wood Cabinet for MR-55A.** *Specify mahog. or walnut.* 5 lbs. NET...25.00



MR-55A Basic
FM-AM Tuner

MONOPHONIC BASIC AMPLIFIERS

Both models offer: black and chrome styling; response of 0.1 db, 20-30,000 cps; distortion (at rated outputs): harmonic, less than 0.3%; IM, less than 0.5%; hum and noise −90 db; output impedances, 4, 8, 16 and 600 ohms, plus 70.7 v. For operation from 110-120 v., 50-60 cycle AC.

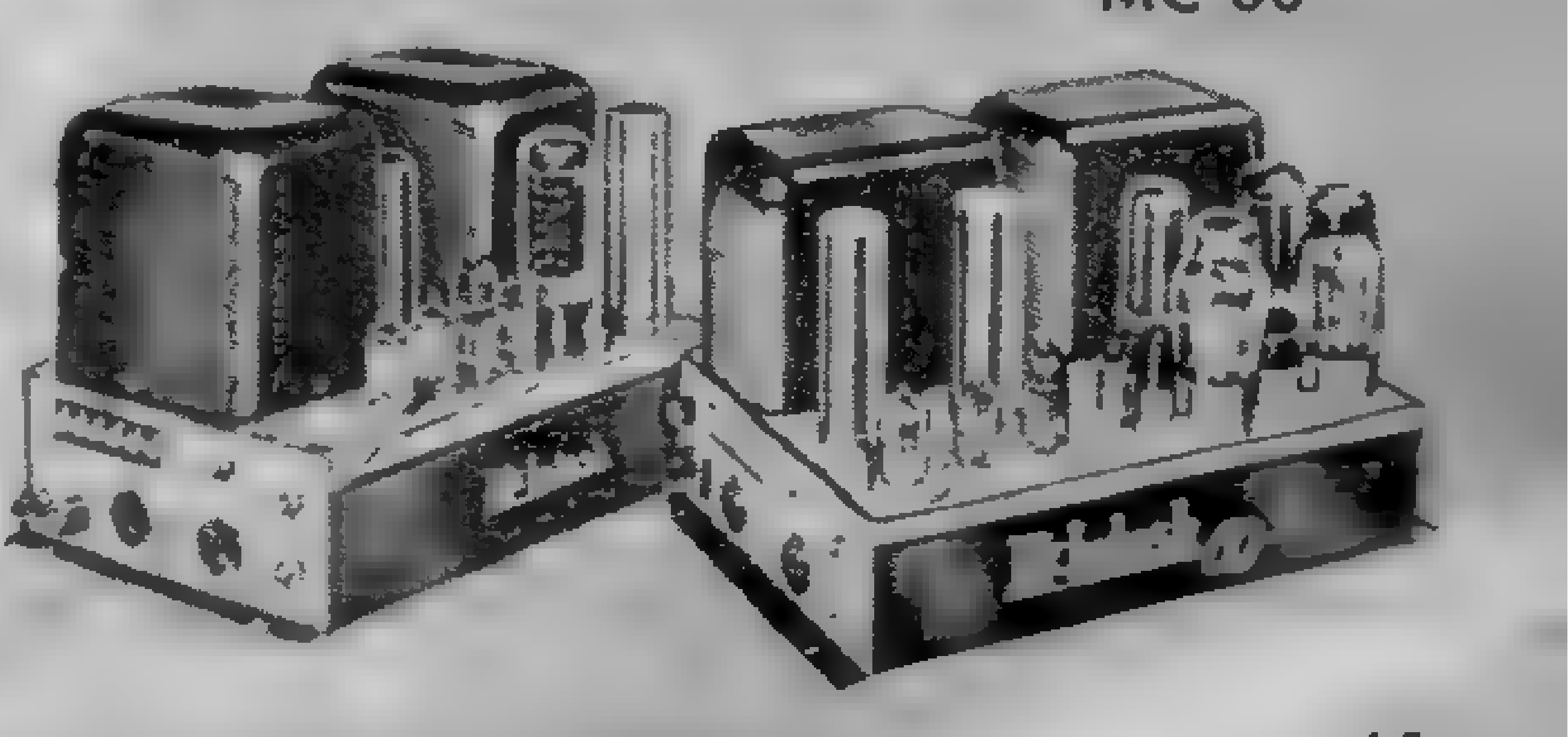
MODEL MC-30 30-WATT BASIC AMPLIFIER. Flawless monophonic reproduction—ideal for use in pairs with C20 preamp above. *Rated Output:* 30 watts. Employs two 1614 output tubes in push-pull output. 8x13⅛x8". Shpg. wt., 36 lbs.

93 SU 895. *Only $5 Down.* NET . . 153.00

MODEL MC-60 60-WATT BASIC AMPLIFIER. Exceptional reserve power capacity. *Rated Output:* 60 watts. Two 6550 output tubes. 8x14¼x10". Shpg. wt., 44 lbs.

93 SU 899. *Only $10 Down.* NET...................219.00

MC-30
MC-60



Bogen (BP) High-Fidelity Components Combining

Featuring color-coded "Tunetab" cueing indicators
that "spot" your favorite stations on the dial

Complete Stereo Control Center
Including 40-Watt Amplifier

Model TP40 AM-FM Stereo Tuner

NET

$\$189^{50}$

Less Case

- Separate AM and FM Sections
- Tuning Indicators For Both FM and AM
- AFC on FM For Drift-Free Tuning
- AVC on AM Reduces Blasting, Fading
- Built-in Antennas For AM and FM

This highly sensitive, beautifully performing unit offers thrilling FM-AM stereo and monophonic reproduction. Embodying advanced yet thoroughly proved circuitry throughout, it provides highly reliable reception even under difficult operating conditions. Separate, sensitive electronic tuning indicators allow precise tuning; variable automatic frequency control on FM assures utmost ease in tuning both strong and weak stations. AGC on FM and AVC on AM prevent blasting and fading. For added convenience, the tuner is equipped with "Tunetab" cueing indicators that allow you to spot your favorite stations on the dial. Exceptionally well-regulated power supply insures retention of tuning calibration despite line voltage variations. Highly efficient AM and FM antennas installed in the unit provide excellent reception. Also has built-in provision for adding FM multiplex adapter for future reception of FM stereo broadcasts.

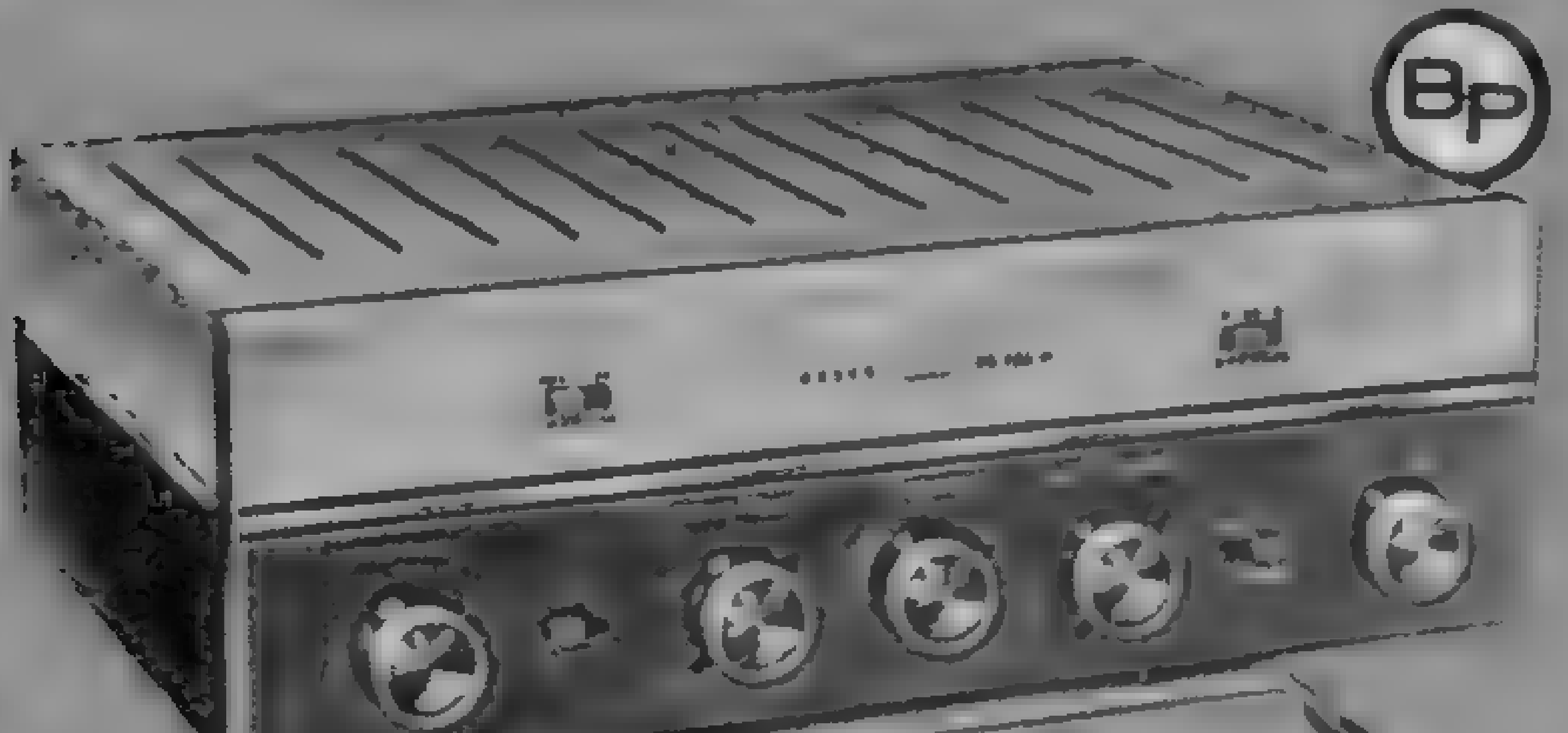
Sensitivity: FM, 0.9 microvolt for 20 db quieting; AM, 1.2 microvolts for 0.5 volt output. *Controls:* AM Tuning; FM Tuning; Selector; AFC; and Power On/Off. *Cathode Follower Outputs:* AM; FM. *Frequency Response:* FM, Flat to 75,000 cps. Has 13 tubes and 3 germanium rectifiers.

Attractive gold panel fits in with any decorating scheme. Includes line cord antenna for FM; loopstick antenna for AM. Size: 6" high, 16" wide and 9" deep. Supplied less case; see metal and wood cases listed below. For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 20 lbs.
89 SU 874. *Only $5 Down.* NET........................**189.50**

EN-5 METAL CASE FOR TP40. Shpg. wt., 5 lbs.
89 SX 876. NET..**8.50**

WE-5 WOOD CASE FOR TP40. Walnut veneer. 8½ lbs.
89 SX 877. NET..**23.50**

POPULAR MONOPHONIC UNIT



- Powerful 35-Watt Output—Adequate Reserve Power
- Harmonic Distortion Limited to 0.3%
- Accommodates All Signal Sources

Model AP40 Stereo Amplifier

NET

$\$199^{50}$

Less Case

- Illuminated Panel Indicators Show Program Source
- Delivers 20 Watts Per Channel
- Blend Control Provides Exact Degree of Separation Desired

Deluxe 40-watt stereo amplifier for control of every conceivable audio signal source. Delivers powerful 20-watt per channel output for stereo music systems—easily sets up as a 40-watt monophonic amplifier. Two program selector controls replace conventional function and mode controls. Illuminated panel indicators allow you to visually keep track when different program sources are in use simultaneously. A continuously variable blend control allows for exactly the stereo separation required, regardless of speaker placement. In addition, a third channel output may be used for a three speaker arrangement, or to feed a remote monophonic extension speaker. New "Soundspan" feature allows playing one program source through your main speakers while playing another source through your extension speaker.

Each unique "Program Selector" controls output to one channel or to both simultaneously (for monophonic use). Speaker selector switches located on the front panel, operate with a double set of speaker output terminals, so that monophonic or stereo programs may be directed to local or remote loudspeakers. Independent clutch-locked bass and treble controls are provided for each channel. Separate controls allow adjusting volume of each channel separately. Other refinements include cathode follower recorder outputs, high sensitivity and DC preamp filaments for hum-free performance.

Frequency Response: ±1 db, 18-30,000 cps. *Distortion:* 0.8%. *Hum:* −80 db. *Inputs:* FM, AM, Multiplex, Phono (Magnetic), Phono (Crystal or Ceramic), Tape Heads, TV, Auxiliary. *Controls:* Program Selectors; 2-Bass (clutch-locked); 2-Treble (clutch-locked); 2-Volume (clutch-locked); Speaker Selector switches; Monophonic switch; Blend; Loudness Contour. *Output Impedances:* 4, 8 and 16 ohms. Employs four 7355 output tubes.

Distinctively styled with striking gold panel. 6" high, 16" wide and 13½" deep. Less case; fits metal and wood cases listed below RP-40, next page. For 110-120 v., 50-60 cycle AC. 34 lbs.
89 SU 873. *Only $5 Down.* NET........................**199.50**

Model DB130-A Amplifier

NET

$\$129^{50}$

Less Case

This powerful 35-watt monophonic amplifier offers exceptional versatility plus full-toned, perfectly-balanced reproduction in home music systems. Long a popular choice among high fidelity enthusiasts, it features ample inputs to accommodate any monophonic audio source. Its excellent specs and full array of controls assure top performance.

Output: 35 watts with 1.5% IM distortion. *Harmonic Distortion:* 0.3%. *Response:* ±0.5 db, 15-30,000 cps. *Hum (below rated output):* Magnetic Inputs, −60 db; other inputs, −80 db. *Output Impedance:* 4, 8 and 16 ohms. *Inputs:* High-level Magnetic Phono; Low-level Magnetic Phono; Tuner; Tape; Tape Monitor; Auxiliary Crystal Phono. *Controls:* On-Off; Loudness-Contour; Bass; Treble; Selector (Phono, Radio, Tape, Aux.); 7-pos. Equalizer; 3-pos. Low Filter; 3-pos. High Filter Gain; 3-position Speaker Selector.

Size, 4¾x15x12¼". Employs 2—6AV5GA/GT tubes in output. Panel has highly attractive gold finish. Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 24 lbs.
89 SU 872. *$5 Down.* NET........................**129.50**

BEG METAL CASE FOR ABOVE. Shpg. wt., 2 lbs.
91 SX 617. NET..**7.50**

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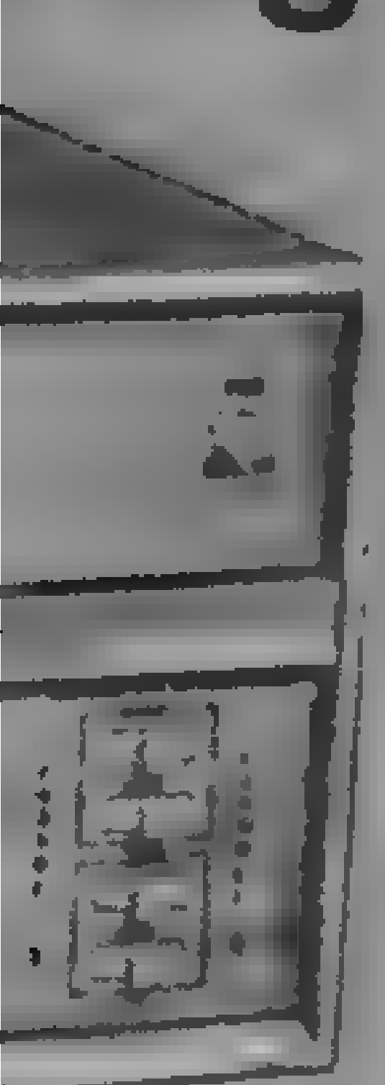

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Beauty, Performance and Versatility

Bogen

- Stereo Amplifier and Stereo Tuner on One Compact Chassis
- Plenty of Power For Low Efficiency Speakers

Engineered to satisfy the most demanding requirements, the RP40 Stereo Receiver represents the culmination of a brilliant tradition of high fidelity design. Truly a remarkable hi-fi instrument.

Model RP40 Complete Stereophonic Home Music Center

COMBINATION STEREO FM-AM TUNER/40-WATT STEREO AMPLIFIER

NET

$329.50

Less Case

Presenting a complete stereo control center for the home—powerful AP-40 40-watt stereo amplifier plus TP-40 FM-AM tuner—on a single, brilliantly engineered, compact chassis. Merely connect to two speakers and enjoy stereo FM and AM simulcasting. Also accommodates stereo records and stereo tapes; virtually every conceivable stereo or monophonic source. In addition, amplifier contains third channel output for connecting to three-speaker stereo systems, or to feed programming monophonically to a remote speaker placed elsewhere in the home.

Two multi-contact rotary switches marked "Program Selectors" replace the conventional function and mode controls. An illuminated visual indicator panel operates with the program selector controls to instantly identify the program sources and respective channels in use. Also featured is a continuously variable "Blend" control that provides optimum stereo separation regardless of speaker placement. Amplifier may also be easily hooked up for operation as a 40-watt monophonic amplifier.

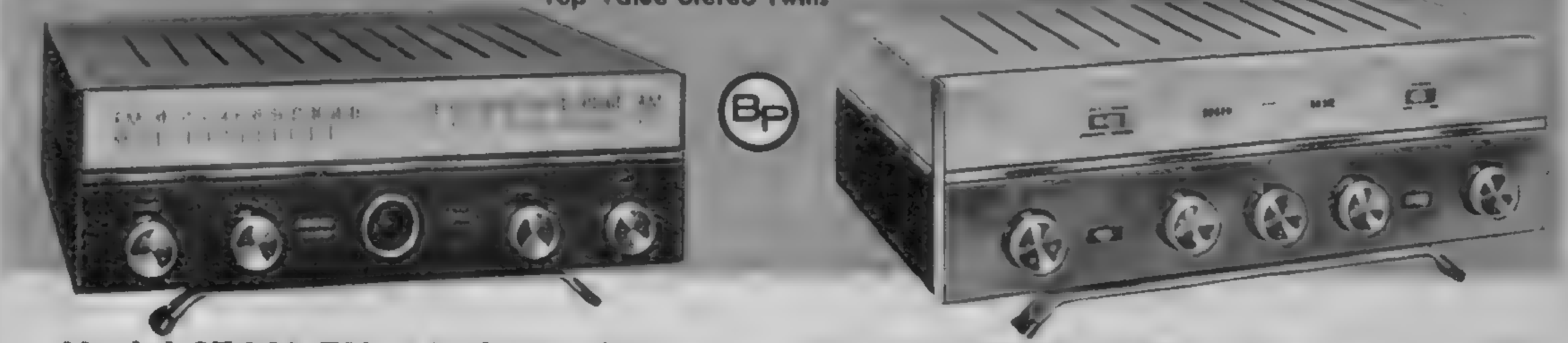
Tuners employ advanced circuit techniques to provided full-range reception even under difficult operating conditions. FM section achieves sensitivity of 1 microvolt. Highly efficient antennas are built in for both AM and FM.

FM tuner features a tuned RF stage; three wide-band tuned IF circuits with two stages of amplification; and dual-limiting action with a ratio detector, arranged to provide a predetermined level of automatic interstation hush. AFC provides positive "lock-in" tuning for drift-free performance. AVC on AM gives freedom from distortion and volume level change when listening to extremely strong or very weak stations. Tuner also is equipped with color-coded cueing indicators that allow you to spot your favorite stations on the dial. New "Soundspan" feature allows listening to one program source on main speakers and another on extension speaker. Provisions have been made for the addition of a multiplex adapter at a later date. Has 23 tubes plus 6 silicon and 3 germanium rectifiers. *Specifications identical to those shown for Bogen AP-40 and TP-40 units listed on facing page.* Size, 6" high, 16" wide and 13½" deep. Less case, listed below. For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 37 lbs.

89 SU 875. *Only $10 Down.* NET....................329.50

MODEL EN4 METAL CASE FOR RP40, AP40. Shpg. wt., 5 lbs.
89 SX 879. NET....................................10.75

MODEL WE4 WOODEN CASE FOR RP40, AP40. Finished in attractive walnut veneer. Shpg. wt., 8½ lbs.
89 SX 880. NET....................................27.75



Top Value Stereo Twins

Model ST442 FM-AM Stereo Tuner

NET

$149.50

Less Case

Top performing tuner that features a tuning meter for precise tuning of both AM and FM; AFC that "locks-in" FM stations; built-in AM and FM antennas for strong reception; AVC on both channels; cathode follower outputs; plus provision for future installation of a multiplex adapter. *FM Sensitivity:* 1.5 microvolts for 30 db of quieting at 75-ohm input; 3.0 microvolts for 30 db of quieting at 300-ohm input. *Tubes:* 6AB4, 12AT7, 2—6AU6, 2—6BA6, 6BE6, 12AU7, 2—matched 1N542 crystal diodes; 1N541 crystal diode; EZ80 rectifier. *Frequency Range:* FM, 88 to 108 mc; AM, 520 to 1640 kc. *Frequency Response:* FM, ±0.5 db, 20 to 18,000 cps; AM, ±1½ db, 20 to 4500 cps. *Outputs:* AM, FM, Multiplex. *Antennas:* FM, built-in line antenna; AM, built-in ferrite loopstick; provision for addition of external antennas.

Smartly styled front panel is finished in gold; handsome gold and white knobs. Size (HWD): 4¾x15x12¼". Less case; takes model BEG or WE-2 listed below. For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 17 lbs.

89 SU 871. *Only $5 Down.* NET......................149.50

MODEL BEG METAL CASE FOR ST442 AND DB212. Shpg. wt., 2 lbs.
91 SX 617. NET.......................................7.50

MODEL WE-2 WOOD CASE FOR ST442 AND DB212. Shpg. wt., 6 lbs.
89 SX 878. NET......................................23.50

Model DB212 24-Watt Stereo Amplifier

NET

$119.95

Less Case

This handsome, versatile amplifier consists of two 12-watt channels—accommodates any stereo or monophonic music source. Delivers outstanding reproduction of records, tapes, AM-FM simulcast broadcasts, etc. It has been styled and engineered to match the ST442 FM-AM Stereo Tuner described at left. Among its many excellent features are: a speaker phasing switch for eliminating any "hole in the middle" effect during stereo use; simplified controls for ease of operation; DC on preamp tube filaments, etc.

Power Output: 24 watts (2—12 watt channels). *Frequency Response:* ±1 db, 20 to 20,000 cps. *Harmonic Distortion:* 0.5% at rated output *Noise & Hum:* −80 db. *Controls:* Selector (Tape, Phono, Radio Tuner, Auxiliary); Function (Monophonic: Channel 1, Channel 2, Channels 1 and 2; Stereophonic: Normal, Inverted); Volume; Bass; Treble; Hi-Filter; Lo Filter; 2-position Speaker Phasing; Off-On, NARTB tape and RIAA-phono equalization. *Output Impedances:* 4, 8, and 16 ohms per channel. *Sensitivity:* Tuner, Auxiliary, and High Tape—0.25 v.; Magnetic, and Low Tape—8 mv. Unit employs four 6V6 output tubes.

Attractive gold-finished panel; has stylish white and gold knobs. Size (HWD): 4¾x15x12¼". Less case, takes Model BEG or WE-2 case, listed below ST442 at left. For operation from 110-120 volts. 50-60 cycle AC. Shpg. wt., 20 lbs.

89 SU 870. *Only $5 Down.* NET.....................119.95

Choose Your Own Music System Featuring Bogen Components—Write for Price

harman kardon

New Excellence in Stereophonic

FINE PERFORMANCE COMBINED WITH SMART STYLING

A-230

Beautifully Performing 30-Watt Stereo High-Fidelity Amplifier—Accommodates Any Sound Source

Model A-230 "Ballad" 30-Watt Stereo Amplifier

NET

$\$109^{95}$

Less Case

A superb stereo amplifier incorporating dual preamp sections and dual 15-watt-per-channel amplifier sections. Excellent features include: friction-clutch bass and treble controls for regulating tone of each channel separately or both channels together; provision for adding a third speaker to your system for center-channel or extension use; tape outputs for stereo recording; etc. *Output:* 15 watts each channel at less than 1% harmonic distortion. *Response:* ±1 db, 15 to 70,000 cps at normal listening levels. *Hum & Noise:* 80 db below 15 watts at minimum volume. RIAA record and NARTB tape playback equalization. *Controls:* concentric Treble; concentric Bass; Loudness; Balance; Mode (Stereo Reverse, Stereo, Monophonic, Monophonic Right, Monophonic Left); Function Selector (Tape Lo/Phono Lo, Phono Hi, Tuner, Aux/Tape Hi); Rumble Filter; Contour; 2 Speaker Selector Switches; illuminated pushbutton Off-On. 4—EL84 output tubes. *Impedances:* 8 and 16 ohms. $4\frac{5}{8}$x$13\frac{13}{16}$x$11\frac{1}{2}$". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 18 lbs.

92 SU 875. *Only $5 Down.* NET........................109.95

AC-23 METAL CASE FOR ABOVE. Shpg. wt., 2 lbs.
92 SX 882. NET........................7.95

T-230

Designed with Skill and Precision to Provide Brilliant FM-AM Stereo Reception—Has Provision for the Addition of a Multiplex Adapter Unit (When This Mode of Stereo Broadcasting is Approved).

Model T-230 "Sonnet" Stereo FM-AM Tuner

NET

$\$119^{95}$

$5 down

The T-230 is an excellent companion to the A-230, above. Has separate AM and FM sections; jack for accepting multiplex adapter. Styled in striking brushed copper, with ventilated matte black case. *FM Section:* $3\frac{1}{2}$ μv sensitivity for 20 db of quieting. Low-noise front end consisting of cathode-fed RF amplifier, double-tuned overcoupled RF interstage, and grid-fed triode mixer followed by wideband, transitionally coupled IF stages. Armstrong circuit with pentode limiter, wideband Foster-Seeley discriminator and AFC. *AM Section:* Terminal sensitivity, 10 microvolts. Automatic volume control (AVC). *Controls:* FM Tuning, Function Selector (Off-On, FM, FM-AFC, AM, Stereo); AM Tuning. *3 Outputs:* AM-FM Monophonic and FM Stereo; AM Stereo; FM Multiplex. 9 tubes: diode AM detector; silicon rectifier. $4\frac{5}{8}$x$13\frac{13}{16}$x$12\frac{1}{4}$". Includes highly attractive case. For 110-120 v., 50-60 cycle AC. Shpg. wt., 13 lbs.

92 SU 876. *Only $5 Down.* NET........................119.95

ECONOMY STEREO TWINS
Fine Matched Components

T-220

A-220

Popular-Priced, Handsomely Matched Stereo Tuner and Amplifier Components—Designed to Deliver Fine Performance with the Speakers of Your Choice

Model T-220 "Aria" Stereo FM-AM Tuner

NET

$\$99^{95}$

Less Case

A fine example of quality design, the "Aria" is an excellent choice for brilliant FM and AM reception—separate FM and AM sections permit tuning in stereo broadcasts. Employs H-K's unique "FM cartridge"—sensitivity is $2\frac{1}{2}$ μv for 20 db of quieting. Additional features include: jack for accepting multiplex adapter; High-Q ferrite loopstick for increased AM sensitivity; AFC on FM for drift-free reception; and low-noise front-end followed by wideband transitionally coupled IF stages. AM terminal sensitivity, 15 μv. *Controls:* FM Tuning; Selector (Off-On, FM, FM-AFC, AM, Stereo); AM Tuning. 11 tubes and diodes; EZ80 rectifier. Brushed copper panel. $4\frac{5}{8}$x$13\frac{13}{16}$x$12\frac{1}{4}$". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 11 lbs.

89 SU 433. *Only $5 Down.* NET........................99.95

TC-20 METAL CASE FOR ABOVE. Trim, decorative case for use on table-top or bookshelf. Shpg. wt., 2 lbs.
89 SX 434. NET........................4.95

Model A-220 "Lute" 20-Watt Stereo Amplifier

NET

$\$79^{95}$

$5 down

An excellent value for the low-cost music system, the "Lute" provides stereo reproduction of exceptional quality and realism. Illuminated pushbutton Off-On switch turns amplifier "on" or "off" without disturbing other controls. Dramatically styled in brushed copper and gray to complement any decor. *Output:* 10 watts per channel at less than 2% harmonic distortion. *Response:* ±1 db, 20-20,000 cps. *Hum:* −70 db. *3 Dual Inputs:* Magnetic Phono; Crystal or Ceramic Phono; Tuner/Aux. *Controls:* Treble; Bass; Balance; pushbutton Off-On; Loudness and Function Selector (Stereo Phono Reverse, Stereo Phono Normal, Monophonic Phono, Monophonic FM, Monophonic AM, Stereo Tuner Normal, Stereo Tuner Reverse). *Speaker Output Impedances:* 8 and 16 ohms per channel; also stereo tape output. 8 tubes; silicon diode rectifier. Supplied complete with highly attractive case. Size (HWD), $4\frac{5}{16}$x$14\frac{1}{8}$x$10\frac{1}{2}$". For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 14 lbs.

92 SU 880. *Only $5 Down.* NET........................79.95

Harman-Kardon Components Are Available on Allied's Easy Payment Plan

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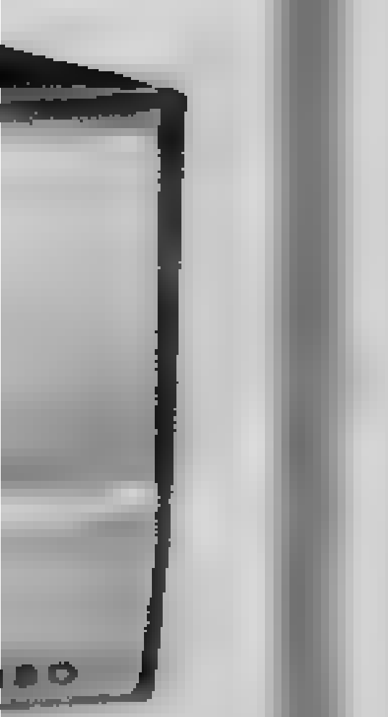

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High-Fidelity Music Components by harman kardon

DELUXE EQUIPMENT FOR DISCRIMINATING MUSIC LOVERS

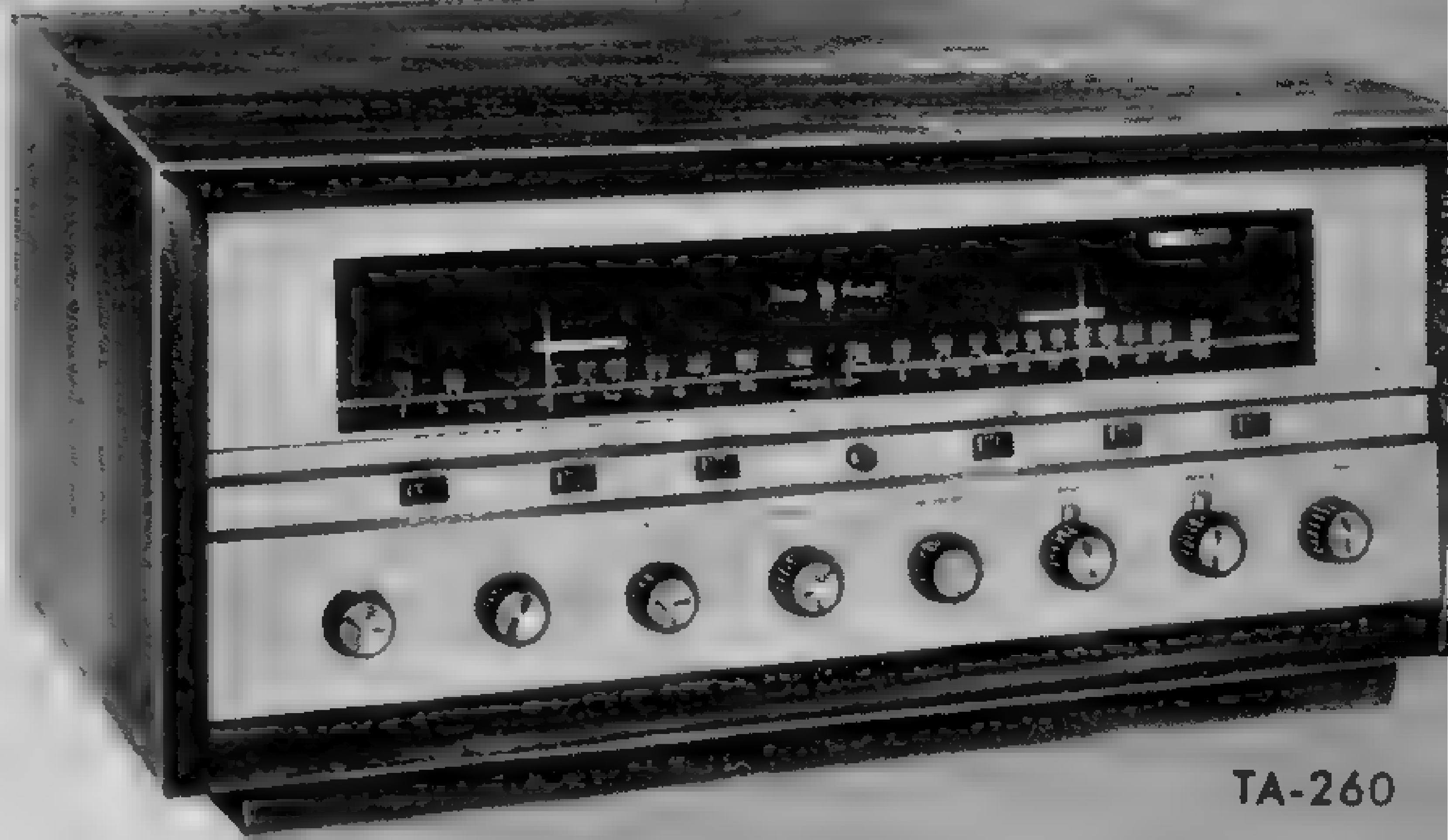
TA-260 "Festival II" Stereo Tuner/Amplifier

NET $299.95 Less Case

A successful crystallization of H-K's hi-fi know-how in a superb stereo unit. This complete 60-watt stereo center offers every desirable input and control, two 30-watt amplifier sections, plus separate FM and AM tuners. Amplifier employs four 7355 output tubes. Clutch-type bass and treble controls permit adjustment of bass and treble separately for each channel, or simultaneously for both channels. Silicon rectifier power supply provides excellent regulation for improved transient response and stable tuner performance.

Additional features: FM and AM electronic tuning bars; speaker phasing switch; multiplex provision; 15 front-panel controls; high-Q ferrite AM loopstick; etc. *Output:* 30 watts per channel at less than 0.6% distortion. *Impedances:* 4, 8 and 16 ohms. *Response:* ±1 db, 10-55,000 cps at 1 watt. *FM Sensitivity:* 1½ µv, 20 db of quieting. 6⅛x15¹³⁄₁₆x12¾". Brushed gold panel. Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 44 lbs.

89 SU 896. *Only $10 Down.* NET..................299.95
85 SX 557. CX-26 Metal Case. 2 lbs. NET..............12.95
85 SX 558. WW-30A Wood Case. Walnut. 3 lbs. NET....29.95



TA-260

Offers Uncompromising Stereo Performance with Striking Appearance—15 Versatile Front-Panel Controls

TA-224 "Recital" Stereo Tuner-Amplifier

NET $199.95 Less Case

Here's every desirable feature on a single, compact chassis. Combines dual preamps with two 15-watt amplifier sections, plus separate FM and AM tuners. Designed to accommodate every sound source, the "Recital" features: 5 pairs of inputs; silicon diode power supply; stereo "Blend" control; 2 bass and treble controls; four 7408 audio output tubes; DC on preamp filaments; nine front-panel controls. *Amplifier Output:* 15 watts per channel. *Response:* ±0.5 db, 15-30,000 cps. *Output Impedance:* 8 and 16 ohms per channel.

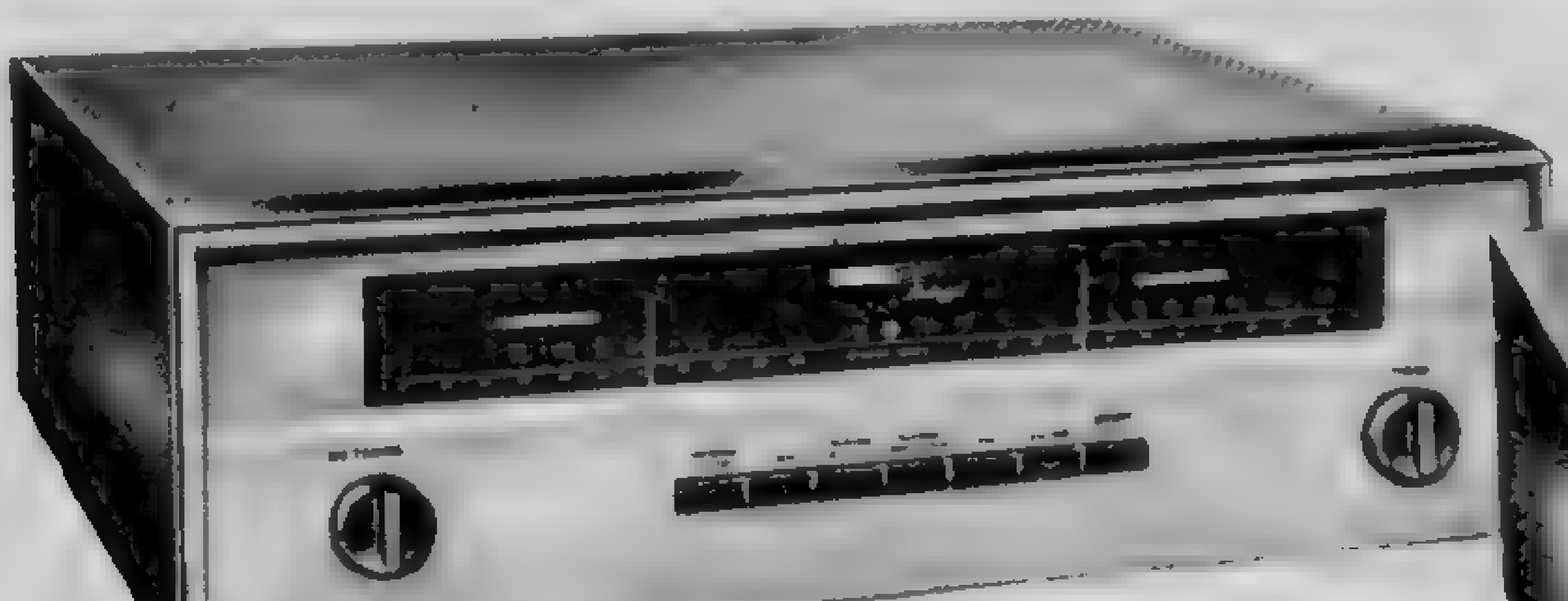
FM Sensitivity: 2.5 µv for 20 db of quieting. Employs Armstrong circuit with Foster-Seeley discriminator and AFC. Attractive, brushed copper panel. 6⅛x15¹³⁄₁₆x12¾". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 30 lbs.

89 SU 431. *Only $5 Down.* NET....................199.95
89 SX 432. CX-24 Metal Case. 2 lbs. NET..............11.95
85 SX 558. WW-30A Wood Case. Walnut. 3 lbs. NET....29.95

TA-224

Moderately Priced Center for Any Fine Music System—Has Full Facilities to Accommodate Any Sound Source

SUPERB PERFORMANCE
Top-Quality Components



ST-360A

Two Advanced-Design Stereo Hi-Fi Components That Complement Each Other in Styling and Superior Performance

A-260

Model ST-360A "Madrigal" FM-AM Stereo Tuner

NET $199.95 Less Case

One of the finest stereo tuners available. All functions except tuning are operated by pushbuttons. Separate electronic-bar tuning indicators for AM and FM. On FM, harmonic and IM distortion, and drift are virtually unmeasurable. Remarkable sensitivity permits distant station reception with superior signal-to-noise ratio. *FM Section:* Sensitivity, 0.9 µv for 20 db of quieting. Armstrong circuit, Foster-Seeley discriminator, AFC, 3 wide band IF stages, etc. *AM Section:* low-noise, high-gain RF pentode, pentagrid converter, 2 broadband IF stages, infinite-impedance detector, 10-kc whistle filter, separate AVC circuit, etc. *Controls:* AM Tuning; FM Tuning; AM Noise Filter, AM, Stereo AM-FM, Stereo Multiplex, FM, FM-AFC, and Off-On. Two anode-follower outputs. 16 tubes; selenium rectifiers. 4¾x15¼x12¾". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 26 lbs.

89 SU 440. *Only $5 Down.* NET......................199.95
92 SX 846. CX-60A Metal Case for ST-360A. 3 lbs. NET.....12.50

Model A-260 "Chorale" 80-Watt Stereo Amplifier

NET $199.95 Less Case

A splendid stereo amplifier of unusual versatility. Has dual 40-watt amplifier sections. Features selector switch for adding a third channel; speaker phasing switch; etc. Illuminated, pushbutton off-on switch permits turning the A-260 on or off without altering previous control settings. *Output:* 40 watts per channel at less than ½% harmonic distortion. *Response:* ±0.5 db, 15 to 30,000 cps at 1 watt. *Hum:* −95 db. *Output Impedances:* 4, 8 and 16 ohms per channel. *Controls:* concentric Treble; concentric Bass; Loudness; Mode (Reverse, Stereo, Monophonic, Monophonic Right, Monophonic Left); Selector (Aux 1, Aux 2, Tuner, Phono, Tape Head); Rumble Filter; Scratch Filter; Contour; 2 Speaker Selector switches; Tone Control Bypass Switch; Balance; Off-On. 6 dual stereo inputs. 4⅞x15¼x13⅞". Less case below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 35 lbs.

92 SU 877. *Only $5 Down.* NET......................199.95
92 SX 883. AC-60 Metal Case for A-260. 3 lbs. NET.......12.95

Write for Allied's Money-Saving System Plan Price on Components of Your Choice

Sherwood

Outstanding Stereo Components

Model S-5000-II

Model S-2200

Model S-5000-II 72-Watt Stereo Amplifier

NET

$\$199^{50}$

Less Case

New, skillfully designed 72-watt stereo amplifier with every important control and input essential to outstanding stereo or monophonic operation. Includes a host of superior features: five modes of operation selectable by function switch which also operates a corresponding group of indicator lights; friction-locked shafts for bass and treble controls for adjustment of one channel separately, or both channels simultaneously; twelve inputs to accommodate every sound source; two cathode-follower recording outputs; 12 db/octave scratch and rumble filters which operate on all channels; phono channel noise and hum 60 db below rated output; phono sensitivity, 1.8 mv; presence-rise switch; distinctive front panel styling; etc.

Rated Output: 36 watts per channel for stereo (80 watts of music power, total), at ½% harmonic or 1½% IM distortion (60:7 kc/4:1). *Response:* ±½ db, 20 to 20,000 cps. *Controls:* Phono Level, Rumble Filter, Scratch Filter and Presence; Selector (Tape, Phono, FM-AM, FM-MX, Aux); Balance; concentric Bass; concentric Treble; Loudness; Power Off-On; Function Selector (Stereo Normal, Stereo Reverse, Mono Ch. 1, Mono Ch. 2, Mono Ch. 1 and 2); Tape Monitor switch; Loudness In-Out switch. *Speaker Output Impedances:* 4, 8 and 16 ohms per channel.

Four 7591 output tubes, six 12AX7; four silicon rectifiers. Size (HWD), 4x14½x12½". Less case, listed below. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 30 lbs.

89 SU 881. *Only $5 Down.* NET……………………199.50

Model S-2200 FM-AM-Multiplex Stereo Tuner

NET

$\$179^{50}$

Less Case

A perfect companion to the Model S-5000-II amplifier, the top-rated S-2200 tuner fulfills today's stereo reception requirements with separate reception of FM and AM broadcasts—and goes one step further in preparing for FM multiplexing broadcasts. Provides convenient front panel control and space for plugging in an FM multiplex adapter. Additional features include: pushbutton selection of FM, AM or Multiplex operation; automatic frequency control (AFC) for "lock-in" FM tuning; light-bar tuning eyes for FM and AM; indicator lights for FM multiplex; directable ferrite-rod antenna; low-noise balanced antenna input transformer feeding cascode RF amplifier; striking front panel styling to complement any decorative setting; etc.

FM Section: Sensitivity, 0.95 μv for 20 db of quieting. 3 cascaded limiters. *FM Response:* ±½ db, 20 to 20,000 cps. *Hum and Noise:* 60 db below 100% modulation. Foster-Seeley balanced discriminator; delayed AGC applied to RF stage; AFC; and interchannel noise muting with front panel level control. *AM Section:* superhet circuit with 2 tuned RF circuits, double-tuned IF stage, delayed AVC applied to RF, mixer and IF stages, 10-kc filter, dual wide-narrow selectivity. *AM Response:* −6 db, 20 to 7,500 cps. *Hum and Noise:* 55 db below 100% modulation. *Outputs:* Cathode-follower audio; FM multiplex.

Twelve tubes; two EM84 tuning eyes; 6V4/EZ80 rectifier. Size (HWD), 4x14½x12½". Less case, listed below. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 17 lbs.

92 SU 887. *Only $5 Down.* NET……………………179.50

DELUXE STEREO FM-AM TUNER/48-WATT AMPLIFIER

- On One Chassis—Stereo FM-AM Tuner, 48-Watt Stereo Amplifier
- Complete Flexibility—12 Inputs
- Built-In Jack for FM Multiplex
- Designed for Top-Notch Response

Model S-7000 Stereo Tuner/Amplifier

NET

$\$299^{50}$

Less Case

A superbly engineered instrument, the S-7000 is designed for the discerning audio connoisseur. On a single chassis, you get a 48-watt stereo amplifier, dual preamps, and stereo FM-AM tuner. Simply add stereo speaker systems and record changer or turntable to have a complete stereo music ensemble—capable of handling any existing stereo or monophonic signal source. Its distinguished features include: scratch and rumble filters which operate on all channels; friction-locked shaft controls which permit separate or simultaneous adjustment of bass and treble; five modes of operation selectable by a function switch which also activates a corresponding group of indicator lights; dual tuning eye; etc.

Audio Section: 24 watts per channel. *Response:* ±1 db, 20-20,000 cps. *Harmonic Distortion:* ½% at rated output. *Controls:* Phono Level, Rumble Filter, Scratch Filter; Selector (Tape, Phono, FM-AM, FM-MX, Aux); Balance; concentric Bass; concentric Treble; Loudness; Function Selector (Power Off-On, Stereo Normal, Stereo Reverse, Mono Ch. 1, Mono Ch. 2, Mono Ch. 1 and 2); Tape Monitor switch; Loudness In-Out switch. *Output Impedances:* 4, 8 and 16 ohms per channel.

FM Section: Sensitivity, 0.95 μv for 20 db of quieting; 3 cascaded limiters; Foster-Seeley balanced discriminator; delayed AGC applied to RF stage; AFC; interchannel noise muting. *AM Section:* Superhet circuit with 2 tuned RF circuits; double-tuned IF stage; delayed AVC applied to RF; wide and narrow selectivity positions. *Outputs:* cathode-follower audio; FM multiplex.

22 tubes; 5 silicon rectifiers; tuning eye. Size, 4x14¼x14". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 31 lbs.

89 SU 884. *Only $10 Down.* NET……………………299.50

METAL CASES FOR ALL SHERWOOD COMPONENTS

Handsome metal cases available in choice of black or brown "Flextone" finishes—a durable, cork-like finish, spattered with gold. Contrasts beautifully with white panels and gold-finished bezels. Shpg. wt. for S-7000 case, 10 lbs.; other cases, 3 lbs.

Stock No.	Color	Fits	Size (HWD)	EACH
92 SX 891	Brown Flextone	S-5000-II; S-2200 and S-5500	4½x14½x13"	5.00
89 SX 318	Black Flextone	S-5000-II; S-2200 and S-5500	4½x14½x13"	5.00
89 SX 885	Brown Leatherette	S-7000	4½x16¼x14"	6.50
92 SX 892	Brown Flextone	S-2000-II S-3000-III S-1000-II	4½x14½x10½"	5.00
89 SX 319	Black Flextone	S-2000-II S-3000-III S-1000-II	4½x14½x10½"	5.00

Engineered for Superb Performance

Sherwood

SKILLFULLY DESIGNED FOR BRILLIANT PERFORMANCE . . . DELUXE FEATURES

A fine example of superb design, the Model S-5500 represents the latest in a series of traditionally top-rated Sherwood components, world-renowned for outstanding performance.

S-5500

New Model S-5500 48-Watt Stereo Hi-Fi Amplifier

NET $\$149^{50}$ Less Case

A triumph of engineering skill, the Model S-5500 48-watt stereo amplifier represents the latest achievement in a distinguished line of Sherwood quality components. It includes an impressive array of controls and inputs designed to meet the critical requirements of any music lover. Full versatility of design permits this unit to power and regulate the operation of any stereo or monophonic signal source. Some of its superior features include: 12 db/octave scratch and rumble filters which operate on all channels; eight high-level and four low-level inputs are provided for maximum flexibility to accommodate every sound source; damping factor of 5 to deliver optimum performance when used with today's extremely popular, compact high and low-efficiency speaker systems; phono sensitivity of 1.8 mv; two cathode follower recording outputs; friction-locked bass and treble controls for adjusting each channel separately or both channels simultaneously to suit any listening taste; instant mode selection by function switch which also activates a corresponding group of indicator lights; etc.

Excellent choice as the heart of any fine home music system, the S-5500 has a front panel that is strikingly styled to harmonize with any furnishing mode. The attractive escutcheon is beautifully finished in white enamel, handsomely accented by a gold-plated bezel. Green and amber indicator lights further enhance the beauty of this top-performing unit.

Rated Output: 24 watts per channel for stereo. *Distortion:* IM, 1½%; harmonic, ½% of rated output. *Response:* ±1 db, 20 to 20,000 cps. *Hum and Noise:* radio, 80 db below 24 watts; phono, 60 db below 24 watts. *Controls:* Phono Level, Rumble Filter, Scratch Filter; Selector (Tape, Phono, FM MX, AM-TV, Aux); Balance; concentric Bass; concentric Treble; Loudness; Function Selector (Power Off-On, Stereo, Normal, Stereo Reverse, Mono S1, Mono S2, Mono S1 & 2); Tape Monitor switch; Loudness In-Out switch. *Impedances:* 4, 8 and 16 ohms per channel. *Tubes:* 4—7591, 5—12AX7; 2—silicon rectifiers. 4x14¼x14". Less case, listed on preceding page. For 110-120 v., 60 cycle AC. Wt., 22 lbs.

89 SU 882. *Only $5 Down.* NET..**149.50**

DELUXE FEATURES

- Dual 24-Watt Channels—Easily Drives Any Speaker System
- Four 7591 Power Output Tubes
- Striking Front-Panel Styling
- Full Set of Controls—Accommodates Any Signal Source
- Individual and Simultaneous Bass and Treble Controls
- Scratch and Rumble Filters—Operate on All Channels
- Convenient Tape-Monitor Switch
- Special Phase Invert Switch
- Frequency Response, ± ½ db, 20-20,000 cps
- IM Distortion Only 1½%; Harmonic ½% at Rated Output

Model S-3000-III Basic FM High-Fidelity Tuner

NET $\$110^{50}$ Less Case

Sherwood's outstandingly sensitive FM circuit (0.95 μv for 20 db of quieting)—further improved with the use of "corrective" inverse feedback. This ingenious development (also termed Dynamic Sideband Regulation) reduces distortion caused from over-modulation by the broadcasting station. Additional features of this fine unit include: Interchannel Hush, noise-muting system for eliminating "hash" between FM channels and AFC; rear-panel "local distance" switch for making FM reception practical beyond 100 miles; internal plug-in space for FM multiplex stereo adapter; "Acro-beam" tuning eye; 7-inch expanded slide-rule tuning scale; etc. *Controls:* Off-On/Interchannel Hush; AFC On-Off; FM Tuning (flywheel); and Distant-Local slide switch. *Outputs:* cathode-follower audio; FM multiplex. *Tubes:* 6BS8, 6AB4, 3—6AU6, 6BN8, 12AZ7A, 6GN8, 6FG6; 6V4 rectifier. 4x14x10½". Less case, on preceding page. For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

89 SU 883. *Only $5 Down.* NET..**110.50**

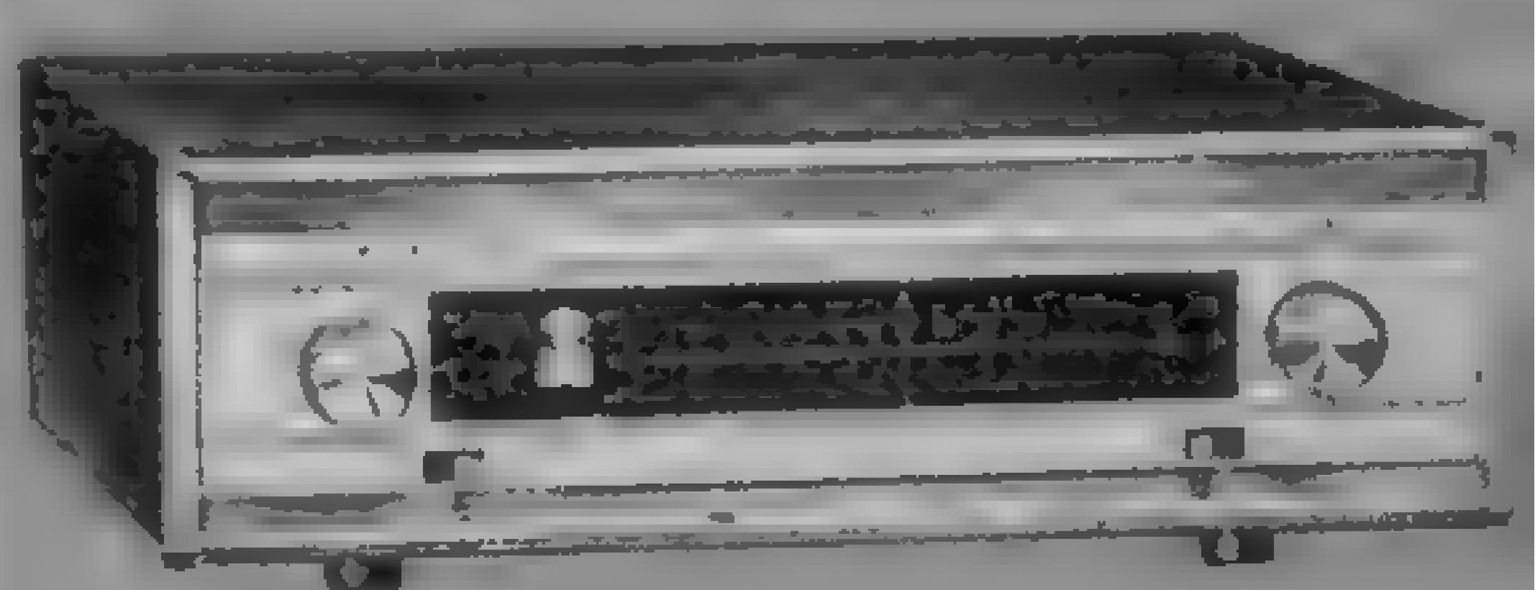
S-3000-III—extremely sensitive FM tuner featuring "corrective" inverse feedback

Model S-2000-II Basic FM-AM High-Fidelity Tuner

NET $\$145^{50}$ Less Case

Features a highly sensitive circuit, automatic frequency control on FM, and single 6BR5/EM80 tuning eye. AM section has choice of either 15-kc wide "hi-fi" bandpass or sharply selective 5-kc bandwidth for listening to weaker stations without interference and noise. *FM Section:* Sensitivity, 0.95 μv for 20 db of quieting. 3 cascaded limiters; Foster-Seeley balanced discriminator; delayed AGC applied to RF stage; AFC; and interchannel noise muting with front panel level control. *AM Section:* superhet circuit with 2 tuned RF circuits, double-tuned IF stage, delayed AVC applied to RF, mixer and IF stages. 10-kc filter, dual wide-narrow selectivity. *Outputs:* cathode-follower audio. FM multiplex. *Controls:* Off-On/FM-AM Selector; FM Hush; FM and AM Tuning; AFC On-Off; AM Wide/Narrow. 11 tubes; 6V4 rectifier. 4x14x10½". Less case (preceding page). For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

92 SU 889. *Only $5 Down.* NET..**145.50**



S-2000-II—widely acclaimed FM-AM tuner brilliantly designed for superior performance

Model S-1000-II 36-Watt High-Fidelity Amplifier

NET $\$109^{50}$ Less Case

Here's a superb monophonic amplifier combining functional styling with complete control flexibility. Designed to meet the audio standards of the most critical hi-fi enthusiast, its superior features include: inverse feedback and special output transformer to attain undistorted output (below ½% at 36 watts!); a presence switch that boosts response at 2500 cps approximately 6 db; phono level control in preamp channel; "pivoting" bass and treble controls; "center-set" loudness control and loudness in-out switch; tape monitor switch; striking front-panel styling; etc. *Power Output:* 36 watts. *Frequency Response:* ±½ db, 20 to 20,000 cps at 36 watts. *Hum and Noise:* radio input, −80 db; phono, −60 db. *Inputs:* 2—Magnetic Phono, Tape Head or Mike, 4—Tuner, Tape Recorder, TV, etc. Eleven controls include 4 push-button switches. Nine tubes (four 7189 output tubes). Size 4x14x10½". Less case, listed on preceding page. For 110-120 volts, 60 cycle AC. Shpg. wt., 24 lbs.

92 SU 855. *Only $5 Down.* NET..**109.50**

S-1000-II—skillfully engineered amplifier

Pilot

Top-Quality Stereo

BEAUTIFULLY STYLED

NEW MODEL 480 STEREO FM-AM TUNER

NET $\$159^{50}$

$5 down

New, popular-priced, fine-quality stereo tuner by Pilot—a choice match for the 240 amplifier listed at right. For reception of either FM or AM broadcasts alone, or for simultaneous tuning of FM-AM stereocasts. Carefully-thought-out design provides for easy connection of external multiplex adapter when FM multiplex stereo broadcasts become available. Special features include a convenient AM phase switch which permits instant phase correction when listening to FM-AM stereocasts.

FM section features a wide-band, linear detector for minimum distortion and non-critical tuning. A low-noise triode amplifier, two high-gain IF stages, plus a saturation-type limiter, all combine to provide a stable, highly sensitive instrument. Temperature-compensated oscillator circuit assures complete freedom from drift. An FM tuning indicator for precise, "on-station" tuning guarantees rapid, accurate selection of desired station. AM section has a superhet circuit with tuned RF amplifier stage, pentagrid converter, and a high-gain selective, double-tuned IF stage. Germanium diode detector offers high efficiency and low distortion—provides top-quality reproduction of AM broadcasts even on fully 100% modulated signals.

FM Sensitivity: 2 μv for a full 20 db of quieting. *AM Sensitivity:* 3 μv for 1 v. DC output at detector. Dual cathode-follower outputs permit use of long cables without high-frequency signal loss. 8 tubes; diode detector, rectifier, and tuning indicator. Size (HWD), 5⅛x14⅝x10¾". Beautifully styled black and brass case—harmonizes with all types of furnishings. For operation from 105-120 volts, 60 cycle AC. Shpg. wt., 18 lbs.

89 SU 867. *Only $5 Down.* **NET** **159.50**

MODEL 240 30-WATT STEREO AMPLIFIER

NET $\$134^{50}$

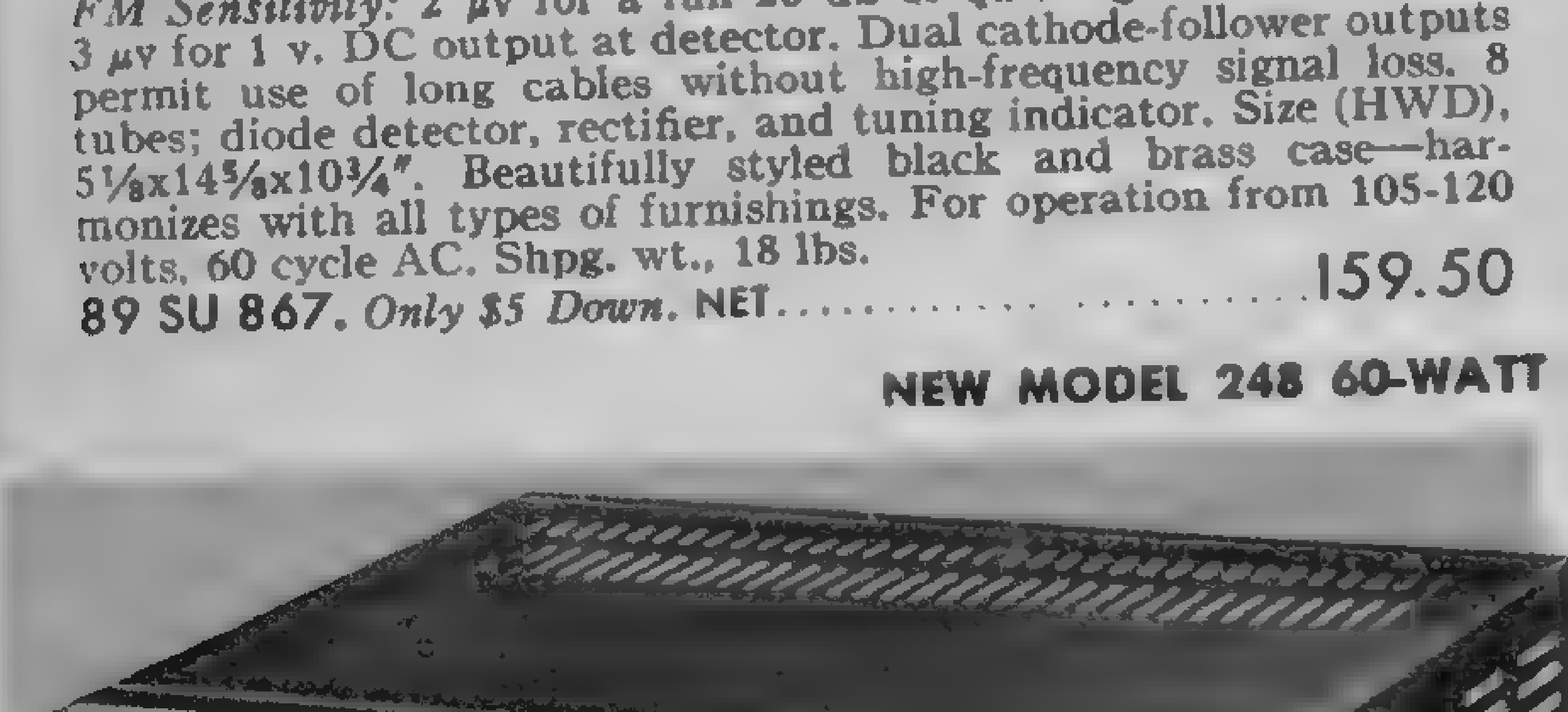
$5 down

You get a wealth of features with this marvelous 30-watt stereophonic control center-amplifier—truly a value-packed unit! Offers 15 watts per channel output for stereo reproduction, or full 30-watt output for outstanding monophonic operation. "Trolok" separate, concentric bass and treble controls, permit precise adjustment for each channel individually or simultaneously. Special center-channel connection, and speaker selector switch allow simple addition of a third speaker for 3-speaker stereo sound or for remote use. Automatic shut-off switch enables record changer to turn off the amplifier automatically, after the last recording has finished playing. Another important feature of the Model 240, is the exclusive DC balance control. Simply press the "Simpli-matic" panel button, with speakers connected, and adjust the DC Balance Control until output tube currents are balanced—without the use of any external meters. Highly attractive, black and brass styling makes this unit a handsome addition to any room of your home.

Output: 15 watts per channel; 30 watts total. *Response:* ±1 db, 20-
20,000 cps. *Harmonic Distortion:* less than 1%. *Sensitivity for Full*
Output: Phono, 3 mv; Tuner, Multiplex, Tape, 110 mv. *Hum &*
Noise: −80 db. *Controls:* Speaker Selector (Main, All, Ext.); Auto-
matic Shutoff Out-In /Power; Loudness Out-In; Volume; Stereo
Balance; concentric Bass (calibrated LP, RIAA, NAB, AES, Tape
Head); concentric Treble (calibrated NAB, LP, RIAA, Tape Head.
AES); Mode (Stereo Normal or Reverse, Monophonic Channel A
or Channel B); Input Selector (Phono Turntable, Phono Record
Changer, FM-AM, Multiplex, Tape Recorder). *Outputs:* 4, 8 or 16
ohms, plus center-speaker, Tape. 4—EL84 output tubes; GZ34 rect.
5⅛x14⅝x10¾". For operation from 105-120 v., 60 cycle AC. With
case. Shpg. wt., 23 lbs.

92 SU 871. *Only $5 Down.* **NET** **134.50**

NEW MODEL 248 60-WATT STEREOPHONIC AMPLIFIER



Model 248 . . . engineered and built to extremely high standards.

CHECK THESE SUPERB FEATURES

- Clutch-Type Tone Controls Regulate Either or Both Channels
- Provision for 3-Speaker Stereo
- Response is ± 1 Db from 20-20,000 Cps
- Gleaming Gold and Black Styling

NET $\$249^{50}$

$10 down

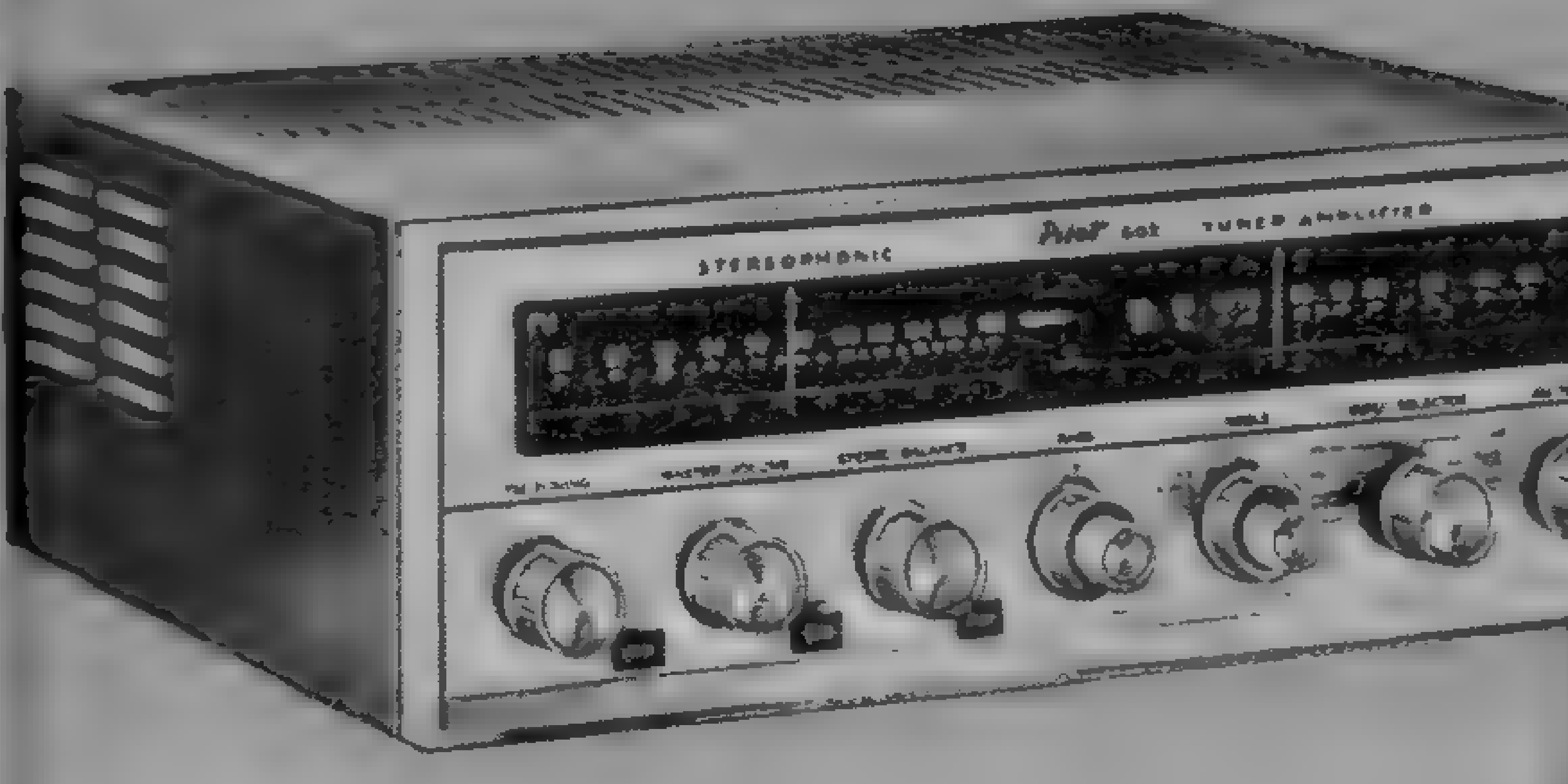
A powerful new stereo amplifier engineered to provide superb high-fidelity sound reproduction The performance, specifications and features o this fine unit offer a level of performance un questioned by today's sophisticated audiophile Tastefully finished black and brass case ha been styled to harmonize with any decor—a instrument you will be proud to have in your home

Important features of the Model 248 include: 4 independent ton controls—exclusive Pilot "Trolok" mechanically locks (gangs) th bass or treble controls together, at your option, to permit simul taneous adjustment of bass and treble for both channels—als allows separate adjustments for each channel when dissimila speaker systems are employed; scratch and rumble filters for max mum performance from all recordings; "Stereo-Plus" center-speake taps for simple hook-up of a center-channel speaker for 3-speake stereo—also provides facilities for easy addition of a remote speake for bringing hi-fi to any room of the house; automatic amplifie record changer shut-off enables changer to automatically turn o amplifier after last record has ended. Tape-monitor switch allov both tape recording and playback with permanent connection

Rated Output: 30 watts per channel for stereo (60 watts peak)
60 watts of monophonic power, at less than ½% harmonic distortio
Response: ±1 db, 20-20,000 cps. *Hum:* −80 db. *Inputs (7 pairs*
Mike, Tape Head, Phono (Changer and Turntable), FM-AM
Multiplex, Tape Rec. *Controls:* Input Selector; Mode; Speaker
Loudness; Master Volume; Stereo Balance; Bass, each channe
Treble, each channel; Phono Selector; Tape Monitor, Out /I
Rumble Filter; Scratch Filter; Power /Automatic Shut-off. *Outp*
Impedances: 4, 8, 16 ohms per channel, plus center-channel and tap
Four 7591 output tubes. Size (HWD), 4¹³⁄₁₆x14¹¹⁄₁₆x10¼". Wi
case. For 105-120 volts, 60 cycle AC. Shpg. wt., 30 lbs.

89 SU 869. *Only $10 Down.* **NET** **249.5**

Pilot Hi-Fi Components Are Available on Allied's Easy Pay Plan



Outstanding
Hi-Fi Values

Pilot

. . . Thrilling Performance

Hi-Fi Components

UNQUESTIONED ENGINEERING

MODEL 602 STEREO TUNER/30-WATT AMPLIFIER

NET
$\$249^{50}$
$10 down

A quality FM-AM stereo tuner and 30-watt stereo amplifier all on a compact chassis no larger than a stereo tuner alone. Just add a speaker system and record player for a complete stereo music center. Styled in attractive black and brass. *FM Section:* Low-noise triode amplifier and two high-gain IF stages plus saturation limiter offer 30 db of quieting with 2 µv input. Temperature-compensated oscillator for drift-free operation; tuning indicator; provisions for external multiplex adapter. *AM Section:* RF amplifier, pentagrid converter, built-in rotatable antenna for top-quality performance. Switch corrects phase on FM-AM stereocasts. Tuning indicator.

Audio Section: Two 15-watt channels for 30 watts of stereo output (30 watts peak). *Response:* ±1 db, 20-20,000 cps. *Harmonic Distortion:* 1% at full power. "Trolok" bass and treble controls allow separate or simultaneous control of both channels. Other features: connections for center-channel or remote speaker; full provisions for external multiplex adapter; automatic shut-off by means of record changer; 3 pairs of stereo inputs. *Output impedances:* 4, 8, 16 ohms per channel; tape. 16 tubes; tuning indicator, 4 silicon and 3 germanium diodes. With case. 5⅛x14⅝x10¾". For 105-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

89 SU 395. *Only $10 Down.* **NET**......................249.50

MODEL 654 STEREO TUNER/44-WATT AMPLIFIER

NET
$\$299^{50}$
$10 down

Ranking among the finest of audio components, the Model 654 provides FM-AM stereo reception, or FM or AM reception alone, through a powerful 44-watt stereo amplifier. A complete, deluxe stereo source and control center-amplifier in a single compact package. *FM Section:* triode RF amplifier, 2 IF stages, limiter, wide-band linear detector for 2 µv sensitivity and non-critical tuning. Has tuning indicator, provisions for external multiplex adapter. *AM Section:* RF amplifier, double-tuned IF, rotatable antenna. Switch corrects phase on FM-AM stereocasts. Tuning indicator.

Audio Section: 22 watts per channel for stereo (44 watt peaks) from 4—7591 tubes, at 1% harmonic distortion. *Response:* ±1 db, 20-20,000 cps. "Trolok" bass and treble controls allow separate or simultaneous control of each channel. Other features: scratch and rumble filters; 3 non-shorting stereo inputs for simultaneous connection of multiplex adapter, tape recorder or TV sound; connections for center-channel or remote speaker; provision for automatic shut-off by record changer; tape monitor switch; 8 pairs of inputs. *Output Impedances:* 4, 8, 16 ohms per channel; tape. With beautiful black and brass case. 5⅛x14⅝x12¾". For operation from 105-120 v., 60 cycle AC. Shpg. wt., 34 lbs.

89 SU 868. *Only $10 Down.* **NET**......................299.50

SUPERB BASIC AMPLIFIERS AND STEREO PREAMP by marantz

MODEL 8 60-WATT

MODEL 8 60-WATT BASIC. Traditional Marantz superiority is proven once again with this 60-watt stereo basic amplifier. Each channel delivers 30 watts (60 watts peak). Changing 2 connections allows 18-watt triode operation of each channel. Built-in bias meter. Response, ±.2 db, 20-20,000 cps at rated output. Harmonic distortion, under 0.1%. Imp. 4, 8, 16 ohms. 4—EL34 output tubes. 7¼x13½x[illegible]" For 105-125 v., 50-60 cycle AC. Wt., 55 lbs.

89 SU 364. *Only $10 Down.* **NET**......................237.00

89 SX 365. Grille for Above. 1 lb. **NET**......................9.00

MODEL 2 40-WATT BASIC. Monophonic basic amplifier. Ultra-linear circuit has 80 watts peak power; switch permits 20-watt triode operation. Built-in meter, switch for bias; DC, AC balance; variable damping. ±0.1 db, 20-20,000 cps at 40 watts. Harmonic distortion under 0.1%. IM under 0.5%. Imp.: 4, 8, 16 ohms. 2—EL34 output tubes. 6½x15x9½". For 105-125 v., 50-60 cycle AC. 47 lbs.

99 SU 006. *Only $10 Down.* **NET**......................219.00

MODEL 7 STEREO CONSOLE PREAMPLIFIER

A self-powered stereo preamplifier of the highest quality. Features remarkable control versatility, ease of operation and professional workmanship. *Rear Panel:* output level adjustments; 3 pairs of outputs; tape-head equalizer adjustments; 6 AC outlets; 9 pairs of inputs; system ground. *Front Panel Controls:* 8-pos. Selector (Mic, Phono 1, Phono 2, NARTB Tape Head, FM-AM, FM Multiplex, TV, Auxiliary); 5-pos. Mode (Stereo, Stereo Reverse, Channel A, Channel B, Channel A + B); Volume; Balance; Two Treble controls; two Bass controls; Phono Equalizer—settings are RIAA, old COL LP, early 78); Tape Playback or Monitor; High Filter; Rumble Filter; and Off-On switch.

Response: ±½ db, 20-20,000 cps. *IM Distortion:* 0.02%. *Noise:* 80 db below 10 mv phono input with RIAA curve. *Tubes:* 6—12AX7/ECC83. 5⅜x14⅜x8½". Less cabinet, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 16 lbs.

92 SU 826. *Only $10 Down.* **NET**......................249.00

WOOD CABINET FOR ABOVE. In mahogany, blonde or oiled walnut—specify choice when ordering. Shpg. wt., 4 lbs.

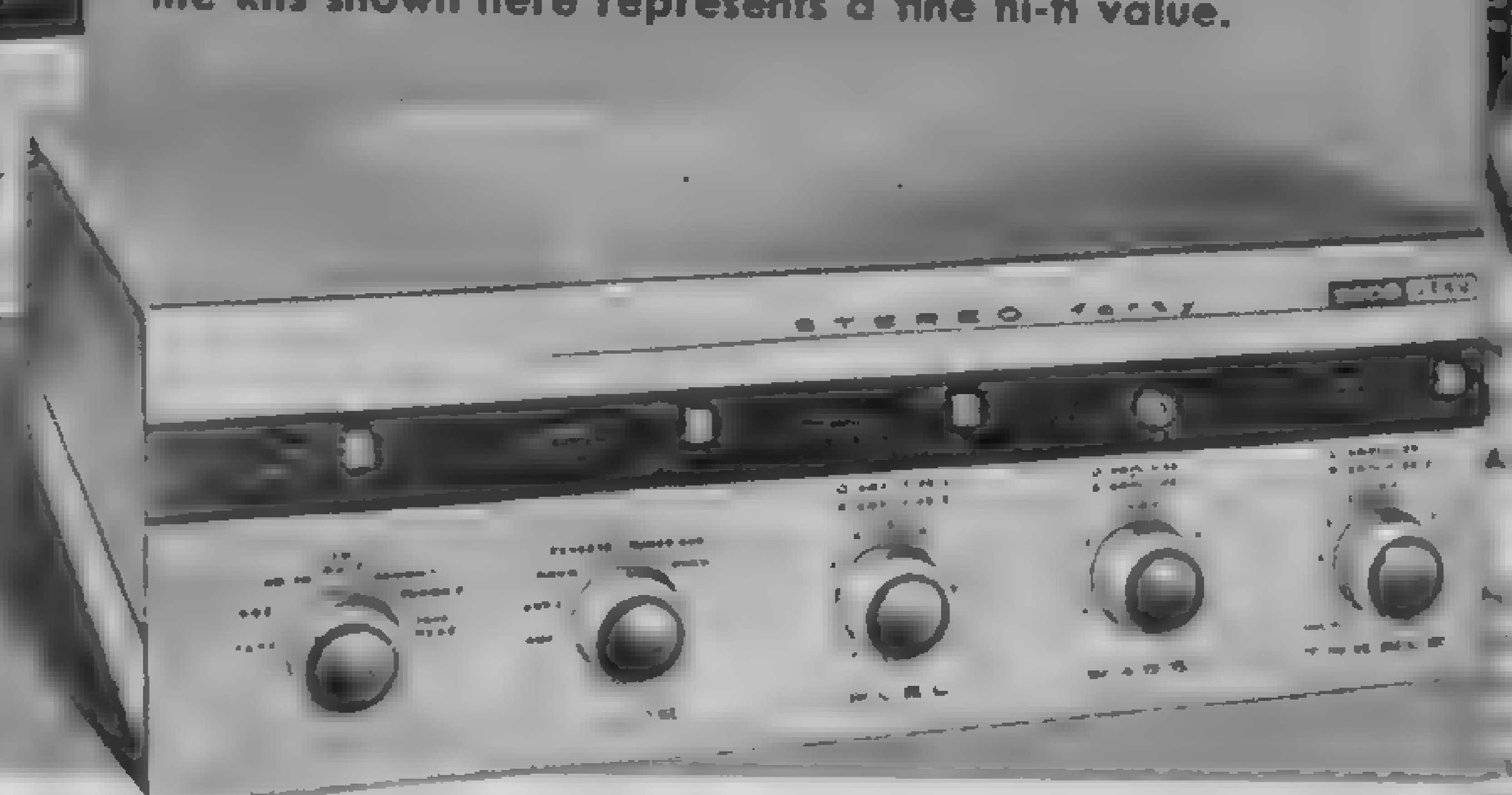
92 SX 827C. **NET**......................24.00

FOR A COMPLETE SELECTION OF *knight-kit* HIGH-FIDELITY COMPONENTS
SEE PAGES 244 THROUGH 261 OF THIS CATALOG

EICO®

Expertly Engineered for Top H

Carefully designed for quality performance, Eico components have an established reputation for dependable operation and excellent fidelity. Each of the kits shown here represents a fine hi-fi value.



CHECK THESE OUTSTANDING FEATURES

- ✓ Pre-Aligned FM Front End
- ✓ Broad and Narrow AM Tuning
- ✓ Two Tuning Indicators
- ✓ Highly Attractive Styling

NEW! Model ST-96K Stereo FM-AM Tuner Kit

NET [illegible]

$5 down

The latest in fine kits from this highly regarded manufacturer, the ST-96K tuner kit features a pre-wired, pre-aligned FM front end, completely shielded in a die-cast housing—provides exceptional sensitivity along with high stability. Separate "Eye-tronic," traveling tuning-eye indicators on FM and AM, contract into an "exclamation point" at the exact center of each broadcast channel—greatly aid pin-point tuning of stations. Both tuning sections have slide-rule dials with effortless flywheel tuning. Easy to build, this moderately-priced stereo tuner kit also features attractive, decorator styling.

FM Section: automatic frequency control (AFC) for "lock-in" tuning, with "off" position for tuning weak stations adjacent to strong stations; 1½ μv sensitivity for 20 db quieting; broad-band ratio detector for improved capture ratio and easier tuning. *AM Section:* tuned RF stage; broad and narrow bandpass; high-Q 10-kc whistle filter; built-in ferrite loop antenna; sensitivity of 3 μv for 1-volt average output at 20 db S/N ratio. Size, 5x15⅞x14". 12 tubes; one diode; EZ80 rectifier. Color-styled in brown and white. With all parts, cover, instructions; less solder. For 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.

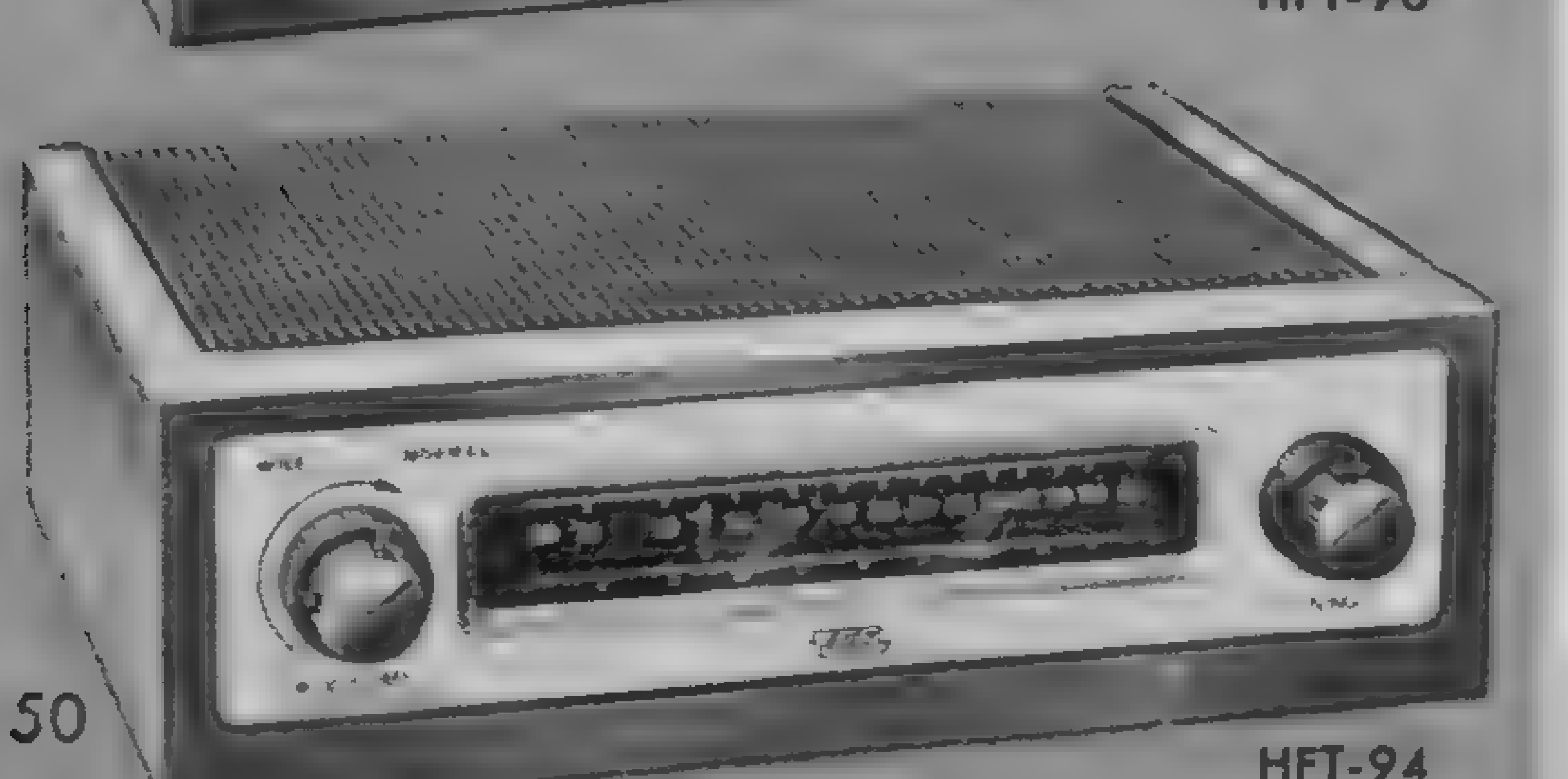
89 SX 442. *Only $5 Down.* NET......................**89.95**

MODEL HFT-96. As above, but factory-wired.

89 SU 443. *Only $5 Down.* NET......................**129.95**

HFT-92

HFT-90



HFT-94

NEW! Model ST-40K 40-Watt Stereo Amplifier Kit

NET $79⁹⁵

$5 down

Moderately priced, superb-quality 40-watt stereo amplifier. Features: 2 switched sets of stereo inputs for magnetic phono, tape head, FM-AM stereo tuners, FM-FM multiplex, and auxiliary (2); clutch-operated, concentric level controls; separate, concentric bass and treble controls for each channel; tape monitor switch; rumble filter; volume/loudness switch; etc. *Response:* ±½ db, 20-20,000 cps. *Distortion:* IM, 2% at 40 watts; Harmonic, ½% at 40 watts. Four 7591 output tubes. With all parts, cover, instructions; less solder. 5x15⅞x14". For 110-120 v., 60 cycle AC. Shpg. wt., 27 lbs.

89 SU 856. *Only $5 Down.* NET......................**79.95**

MODEL ST-40. As above, but factory-wired.

89 SU 857. *Only $5 Down.* NET......................**124.95**

NEW MODEL ST-70K 70-WATT STEREO AMPLIFIER KIT. Not illus. Has full array of controls, tape monitor, concentric, separate bass and treble controls for each channel, etc. *Response:* ±½ db, 20-20,000 cps. *Distortion:* IM, 2% at 70 watts; Harmonic, ½% at 70 watts. 5x15⅞x16". With all parts, cover, instructions; less solder. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 35 lbs.

89 SU 858. *Only $5 Down.* NET......................**94.95**

MODEL ST-70. As above, but factory-wired.

89 SU 859. *Only $5 Down.* NET......................**144.95**

MODEL HFT-92K FM-AM TUNER KIT

An excellent value in a basic FM-AM tuner kit—features pre-wired, pre-aligned front end for ease of assembly. Employing temperature-compensated components, it provides fine sensitivity and stable, drift-free performance. "Eye-tronic" tuning indicator contracts into "exclamation point" when station is perfectly tuned. *FM Sensitivity:* 1½ μv for 20 db quieting. *AM Sensitivity:* 20 μv for 0.8 volt output with 15 db S/N. *Hum:* − 60 db. *Controls:* Concentric knob for Off-On/Volume and FM-AM Selector; concentric knob for FM Tuning, AM Tuning. 6 tubes; DM70 tuning indicator; 6X4 rectifier. With cover; less solder. 3⅝x12x8¼". For operation from 110-120 v., 60 cycle AC. Shpg. wt., 12 lbs.

89 SX 373. *Only $5 Down.* NET......................**59.95**

MODEL HFT-92. As above, but factory-wired.

89 SU 374. *Only $5 Down.* NET......................**94.95**

MODEL HFT-90K BASIC FM TUNER KIT

Unusually low in cost, the HFT-90K basic FM tuner kit has all of the FM features of the HFT-92K above—pre-wired, pre-aligned front end; tuning indicator; cathode follower and FM multiplex outputs; etc. *Sensitivity:* 1½ μv for 20 db quieting. *Controls:* Tuning; Level/Off-On. 6 tubes; DM70 tuning indicator; 6X4 rectifier. Size, 3⅝x12x8¼". Less cover (below), and solder. For 110-120 v. 60 cycle AC. Shpg. wt., 10 lbs.

87 SX 245. *Only $2 Down.* NET......................**39.95**

MODEL HFT-90. As above, but factory-wired. Less cover.

89 SU 338. *Only $5 Down.* NET......................**65.95**

87 SX 246. **Type E3 Cover for Above.** Shpg. wt., 3 lbs. NET..**3.95**

MODEL HFT-94K BASIC AM TUNER KIT

Features a choice of "hi-fi" wide bandpass to 14 kc, or narrow bandpass to 7 kc for weak or distant stations. Tuned RF stage and built-in ferrite loop antenna help provide high selectivity and sensitivity. High-Q filter eliminates 10-kc whistle. Pin-point "eye-tronic" tuning indicator; pre-aligned RF and IF coils. *Sensitivity:* 3 μv for 1-v. output. *Controls:* concentric knob for Volume/Off-On and Wide-Normal Selector; Tuning. 4 tubes; DM70 tuning eye; 6X4 rectifier; CK885 diode. 3⅝x12x8¼". With cover. Less solder. For 110-120 v., 60 cycle AC. Shpg. wt., 12 lbs.

89 SX 340. *Only $2 Down.* NET......................**39.95**

MODEL HFT-94. As above, but factory-wired.

89 SU 341. *Only $5 Down.* NET......................**65.95**

Make Allied Your Headquarters for Everything in Hi-F

Hi-Fi Performance at Low Cost

EICO

Outstanding Stereo Basic Amplifiers

HF87 70-Watt Stereo Amplifier

HF89 -Watt Stereo plifier

W MODEL HF89K 100-WATT STEREO BASIC AMPLIFIER KIT. Per- for use with the HF85 stereo preamp at right. Four EL34 ut tubes; silicon diode rectifiers, and massive output trans- ers contribute to its clean performance. *Output:* 100 watts; watts peak. *IM Distortion:* 0.5% at 100 watts. *Response:* 5 db, 5 to 100,000 cps. *Hum:* −90 db. Size, 6x11x15". Less er. For 110-120 v., 60 cycle AC. Shpg. wt., 37½ lbs.

9 SU 436. *Only $5 Down.* **NET** **99.50**

9 SU 437. Model HF89. Factory-wired. *$5 Down.* **NET. 139.50**

ODEL HF87K 70-WATT STEREO BASIC AMPLIFIER KIT. Provides 70 atts of stereo or monophonic sound, with 140 watts peak. Em- loys ultra-linear connected, push-pull EL34 output tubes. Same pecifications as above, but IM distortion is 1% at 70 watts. x15x11". Less case (below), and solder. For 110-120 v., 60 cycle AC. Shpg. wt., 32 lbs.

89 SU 346. *Only $5 Down.* **NET**.................... **74.95**

89 SU 347. Model HF87. Factory-wired. *$5 Down.* **NET. 114.95**

89 SX 348. Case for HF87 or HF87K. Wt., 4 lbs. **NET**..... **4.50**

ODEL HF86K 28-WATT STEREO BASIC AMPLIFIER KIT. Not illus. mploys Williamson-type circuit with push-pull EL84 output tubes. *Response:* ±0.5 db, 10 to 100,000 cps. *IM Distortion:* 1.5% at 28 watts. *Hum:* −90 db. 5x13½x9". Less solder. For 110-120 volts, 60 cycle AC. Shpg. wt., 16 lbs.

89 SX 344. *Only $2 Down.* **NET**.................... **43.95**

89 SU 345. Model HF86. Factory-wired. *$5 Down.* **NET...74.95**

Model HF85K Stereo Preamp Kit

NET $39⁹⁵

$2 down

Self-powered stereo preamp kit that offers virtually every control and switching facility

Tops in versatility—perfect for use with any of the Eico basic stereo amplifiers described at left. Offers extremely low distortion, bordering on the unmeasurable. Separate low-level input in each channel for magnetic phono, tape head and microphone. RIAA-phono equalization; choice of proper NARTB tape head equalization for all tape speeds. Separate high-level inputs for AM tuner, FM tuner and FM multiplex. Two auxiliary A inputs (1 in each channel), and 2 auxiliary B inputs (1 in each channel). Independent level, and bass and treble tone controls in each channel, may be operated separately or together with built-in clutch. Convenient mode selector switch permits listening to each channel separately, reversing stereo channels, and choosing either stereo or monophonic operation.

Sensitivity (input for 2 v. RMS output at 1000 cps): Magnetic Phono, 1 mv; Mic, 1 mv; Tape Head, 0.5 mv; High-Level inputs, 0.17 v. *Tubes:* 5—12AX7/ECC83; 6x4 rectifier. Supplied complete with cover. 3⅝x12x8¼". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 10 lbs.

83 SX 976. *Only $2 Down.* **NET**.................... **39.95**

89 SX 339. Model HF85. Factory-wired. *$5 Down.* **NET.... 64.95**

madison-fielding

New Dimensions in Precision Stereo Components

EW MODEL 650 STEREO TUNER-AMPLIFIER. On a single chassis, the 650 gives you a ghly sensitive stereo FM-AM tuner and 5-watt stereo amplifier with a host of features. Offers such innovations as: push-but- n selection of program sources; true cen- er channel output for 3-speaker stereo or xtension speaker use; "Micro-Beam" tun- g eye indicator for FM and AM tuning; eparate bass and treble controls for each hannel; dual tape recorder outputs, plus ape monitor inputs and outputs; push-pull udness switch; push-pull off-on switch at enables control settings to be made st once; and beautifully styled panel. *FM nsitivity:* 1 µv for 20 db of quieting. Four CL82 output tubes. 5³⁄₁₆x14½x11⅜". Less e, below. For 110-120 v., 50-60 cycle AC. pg. wt., 23 lbs.

9 SU 444. *$10 Down.* **NET**..... **219.95**

EW MODEL 360 40-WATT STEREO AMPLI- ER. Loaded with features, the 360 is suit- le for use in the most elaborate of home usic systems. Has ample inputs, outputs nd controls to please the most discriminat- g of music lovers. Aural Zero Null Circuit rovides instant channel balancing—press button and tune for silence. When the und disappears, release the button and joy perfectly balanced sound. 10 color t indicators show source and mode of eration. *Response:* ±0.5 db, 20-30,000 . *Output:* 40 watts; 80 watts peak. *IM istortion:* less than 0.5%. *Controls:* (each hannel) Bass, Treble, Level (both chan- els); Master Volume, Loudness, 5-pos. Mode, 5-pos. Selector, and switches for Rumble, Noise, Phasing and Nulling. Four 189 output tubes. 5³⁄₁₆x14½x12". Less case, elow. For 105-125 v., 50-60 cycle AC. pg. wt., 26½ lbs.

9 SU 447. *$5 Down.* **NET**....... **180.00**

NEW MODEL 630 BASIC FM TUNER. Beautifully styled basic FM tuner that employs a new concept in station selection. There is no moving pointer—instead, a fixed, vertical tuning "eye" narrows to hairline width as stations glide across this point on a horizontally moving, transparent scale. Has variable, amplified automatic frequency control (AFC), which permits you to tune in weak stations that are adjacent to strong stations, without drifting. Employs heavy aluminum panel styled in brass and black, with black vinyl clad enclosure. *Sensitivity:* 1.0 µv for 20 db of quieting. *Controls:* Variable AFC; Off-On/Volume; Tuning. *Outputs:* 2 FM outputs, plus multiplex output jack. 5 tubes; 2 diodes; EM84 tuning "eye"; EZ80 rectifier. 4⁹⁄₁₆x13⁵⁄₁₆x6⅛". For 110-120 v., 50-60 cycle AC. Wt., 10 lbs.

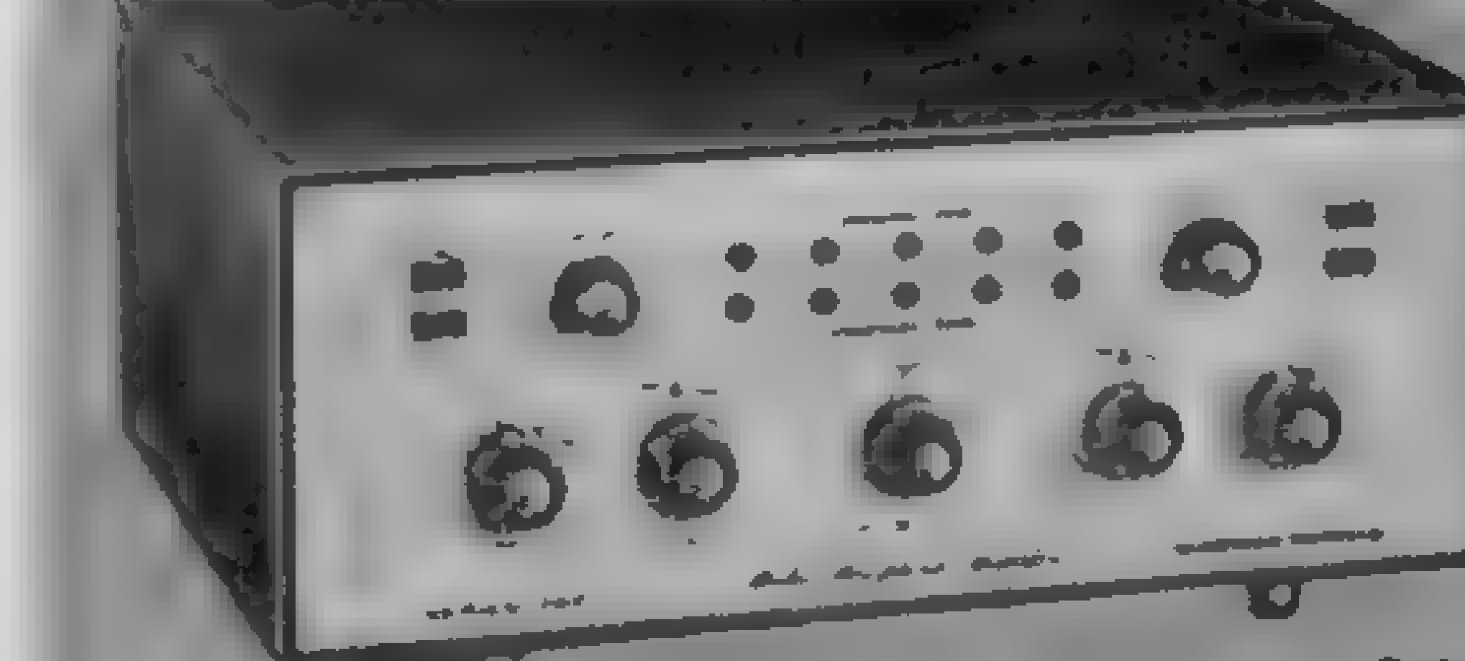
89 SU 446. *$5 Down.* **NET**....... **84.95**

NEW MODEL 380 STEREO FM-AM TUNER. Two complete tuners, combined on one chassis—broad-band AM and sensitive FM. Either tuner section can be operated individually for monophonic use, or in concert for stereo FM-AM broadcasts. Has multiplex output jack and cathode follower output for each channel. Unique, "dual stereoscopic" tuning indicator for precision tuning of FM and AM tuner sections at the same time. Color-light indicators show mode of operation. FM section uses specially designed detector, thermally stabilized, and full stage of limiting. *Sensitivity:* 2 µv for 20 db of quieting. AM section has tuned RF stage for maximum selectivity. *Controls:* AM Tuning; Selector (AM, FM, Stereo, Off-On); FM Tuning; 2 Level controls. 11 tubes; 6AF6 tuning "eye"; 5Y3 rectifier. 5³⁄₁₆x14½x12". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 19½ lbs.

89 SU 448. *$5 Down.* **NET**....... **160.00**

650

630



360

380

ODEL 350 WOOD CASE. For Models 650, 360 and 380. Walnut. Wt., 6½ lbs.

9 SX 449. NET.. **20.00**

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....39.95

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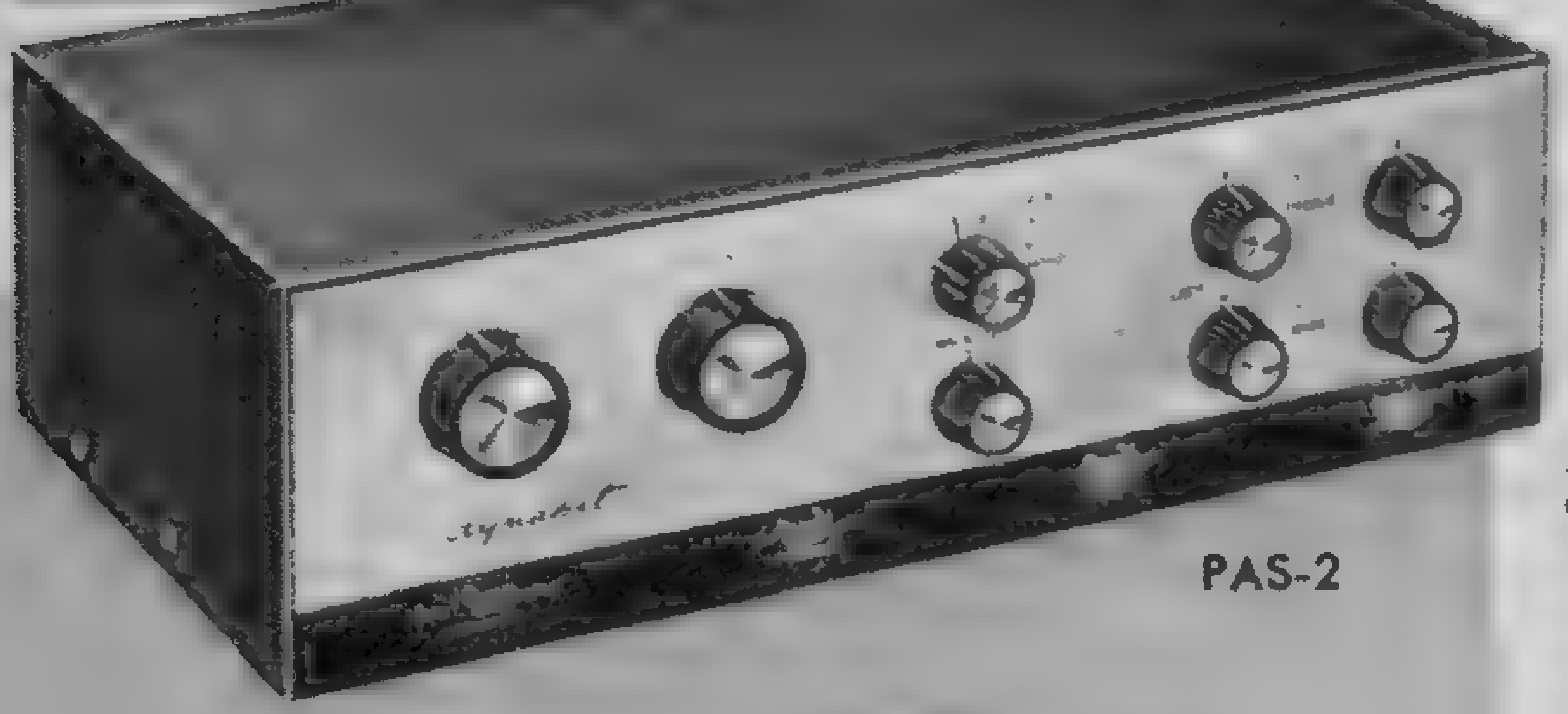
dynakit
for audio perfection

World-Famous Quality Component

AVAILABLE AS KITS OR FACTORY-WIRED



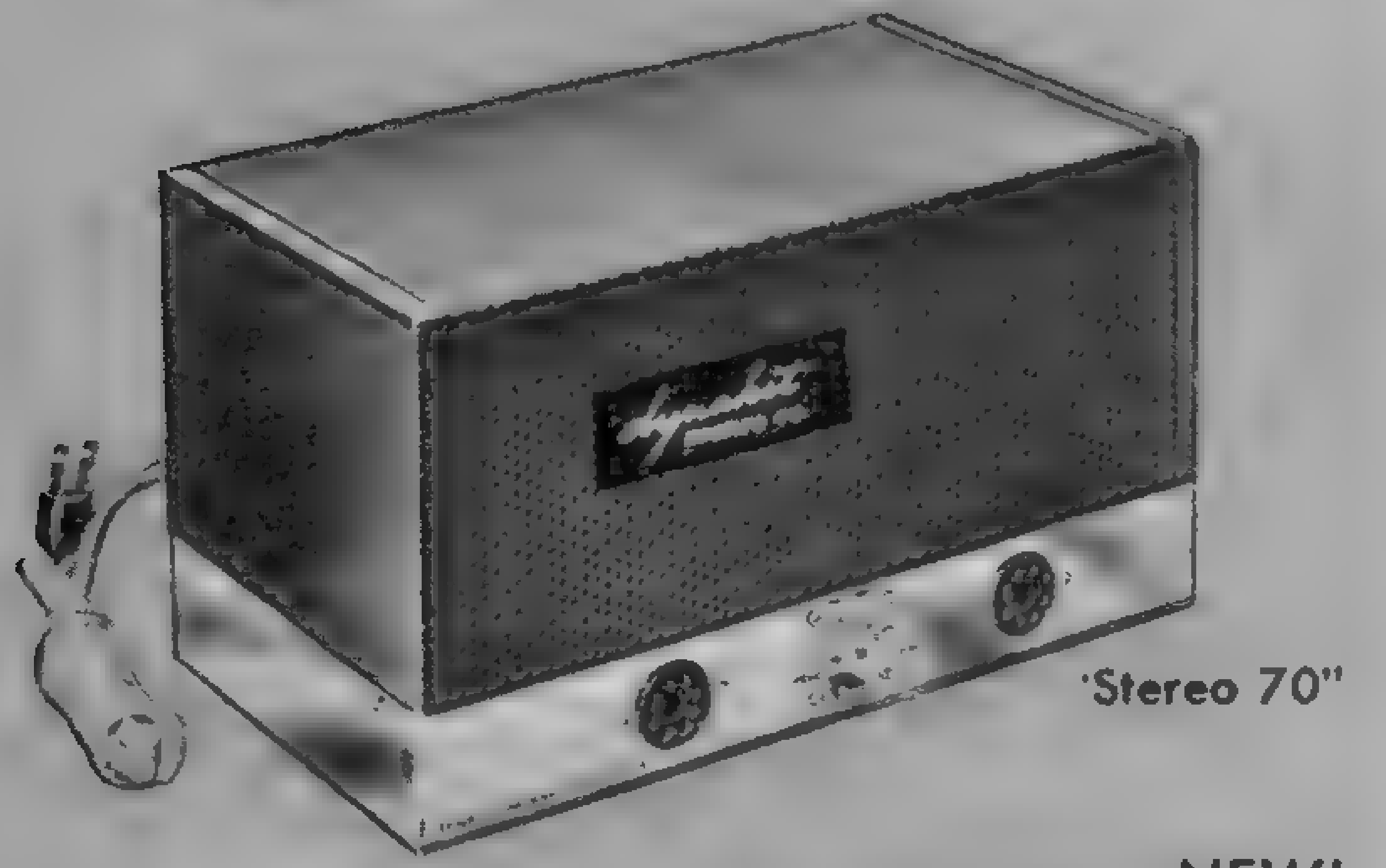
PAS-2

Model PAS-2 Stereo Preamplifier Kit

NET
$59^95
$5 down

Performance acclaimed stereo preamp offering co plete control facilities. Some of its many featur include: "Dyna Blend" control for variable chann separation; DC heated tube filaments; four AC co venience outlets; etc. All critical circuit phases a pre-assembled on two printed circuit boards—a sembly time is reduced to approximately 8 hours *Frequency Response:* ±½ db, 6 to 60,000 cps. *I* *Distortion:* less than 0.05% at normal output. *Noise:* less than 3 equivalent noise input on RIAA. *Controls:* Selector, Volume, Ba ance, Blend, separate Bass and Treble for each channel, Tape Mo tor switch, Power Switch, Loudness, Scratch Filter. *Inputs:* 3 ster low level—RIAA Phono, NARTB Tape Head, Special (for seco phono, tape head or mike); 4 stereo high level—FM Multiplex, F AM, Auxiliary, Tape Monitor, *Outputs:* Audio, Tape Record *Tube Complement:* 4—12AX7/ECC83; 12X4 rectifier; selenium re tifier. With textured vinyl case. Size, 4x13x8". For 110-120 volts, cycle AC. Shpg. wt., 11 lbs.

89 SX 313. *Only $5 Down.* NET........................59.9
89 SX 326. Above, Factory Wired. *$5 Down.* NET..........99.9



"Stereo 70"

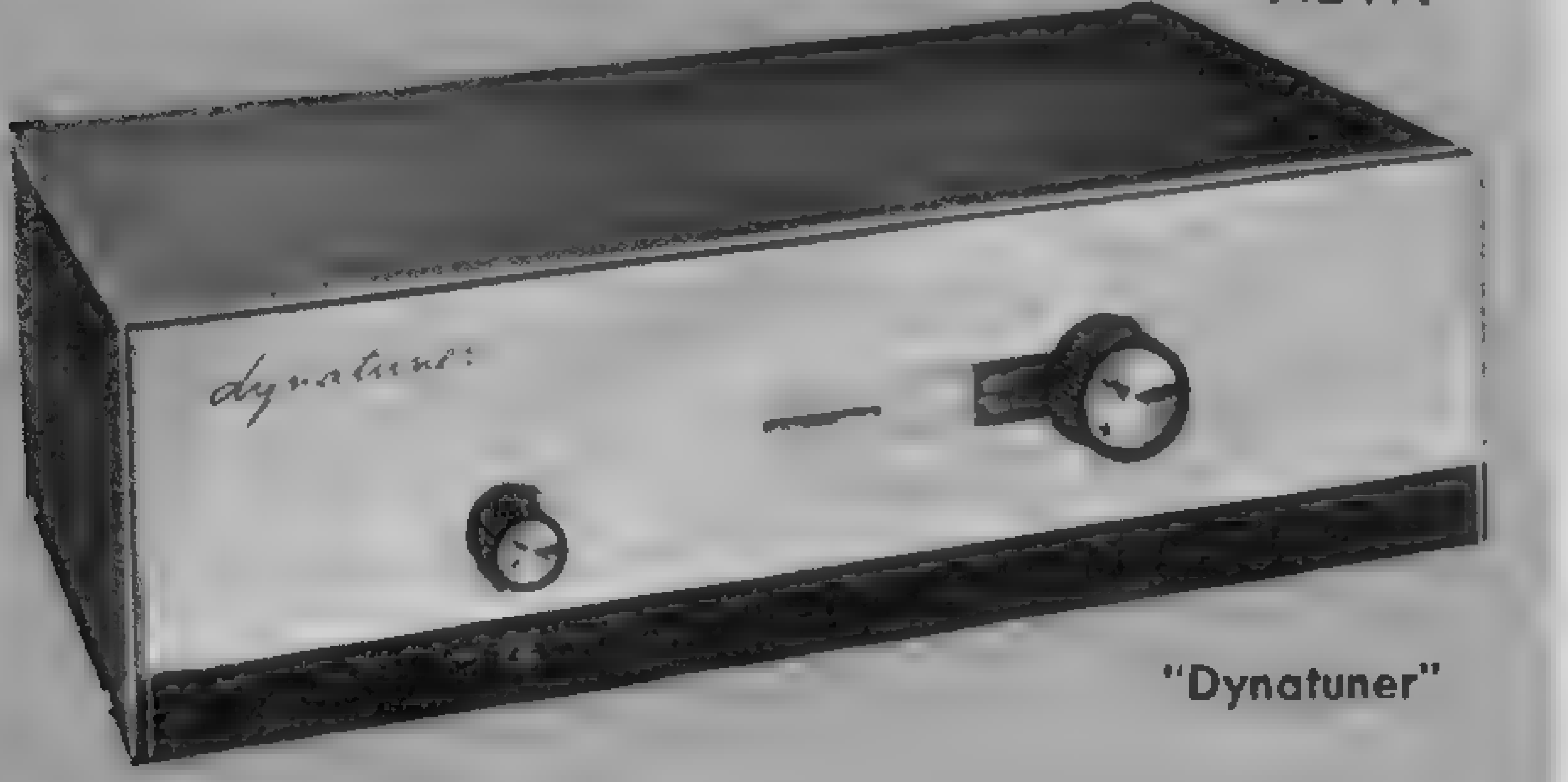
Model "Stereo 70" 70-Watt Basic Amplifier K

NET
$99^95
$5 down

Designed for the audio connoisseur, this deluxe u delivers 70 watts output (35 watts per channe The use of printed circuitry permits constructi in about 5 hours. *Response:* ±½ db, 10-40,000 c *IM Distortion:* less than 1% at 70 watts. *Out Impedances:* 4, 8 and 16 ohms. *Hum and Noi* better than 90 db below rated output. Featu matched EL34 output tubes; stereo-mono swit etc. Size, 6½x9½x13". For 110-120 volts, 60 cycle AC. Shpg. w 32 lbs.

92 SU 873. *Only $5 Down.* NET........................99.9
89 SU 323. Above, Factory Wired. *$5 Down.* NET.........129.

NEW!



"Dynatuner"

NEW Model "Dynatuner" FM Tuner Kit

NET
$79^95
$5 down

Dynakit presents a thrilling new FM tuner with perlative features and specifications. Engineered exacting standards, the "Dynatuner" meets audio requirements of the most discriminating li ener. Employs printed circuits to speed assem time. All coils pre-aligned so stations can be ceived immediately on completion of kit—IF sta can be peaked using the EM-84 tuning eye as indicator. A planetary drive arrangement is utilized for extrem smooth tuning—further simplified by the use of the EM-84 sli rule type indicator tube. Additional features include the use minimum phase shift IF's, wide band detection, and linear desi The mixer-oscillator stage is screen coupled—provides uniform g across the entire FM band. Has provision for multiplex. 4x13x For 110-120 volts, 60 cycle AC. Shpg. wt., 12 lbs.

89 SX 898. *Only $5 Down.* NET........................79.
89 SU 899. Above, Factory Wired. *$5 Down.* NET........119.

SUPERIOR MONOPHONIC HI-FI COMPONENTS

Mark III

NET
$79^95
Kit Form

NET
$59^95
Kit Form

Mark IV

Model Mark III 60-Watt Basic Amplifier Kit

Even a beginner can easily assemble this deluxe, 60-watt basic m ophonic amplifier! Top features include: choke filtering for ab lute minimum noise; premium KT88 matched output tubes; *Frequency Response:* ±½ db, 6 to 60,000 cps. *Distortion:* IM, than 1% at 60 watts. Harmonic, less than 1% from 20 to 20, cps at 60 watts, ±1 db. *Noise:* −90 db. *Output Impedances:* 4, 8 16 ohms. *Tube Complement:* 6AN8, 2—KT88; GZ34 and seleni rectifiers. Size, 6¾x9x9". For 110-120 volts, 60 cycle AC. Sh wt., 28 lbs.

83 SU 004. *Only $5 Down.* NET........................79.
MARK III BASIC AMPLIFIER. Above, factory wired.
89 SU 324. *Only $5 Down.* NET........................99.

Model Mark IV 40-Watt Basic Amplifier Ki

Economically priced, 40-watt basic amplifier kit. *Response:* ±½ 10-40,000 cps. *IM Distortion:* less than 1% at 40 watts. 2—EL output tubes. *Output Impedances:* 4, 8. and 16 ohms. 6½x14x5". 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.

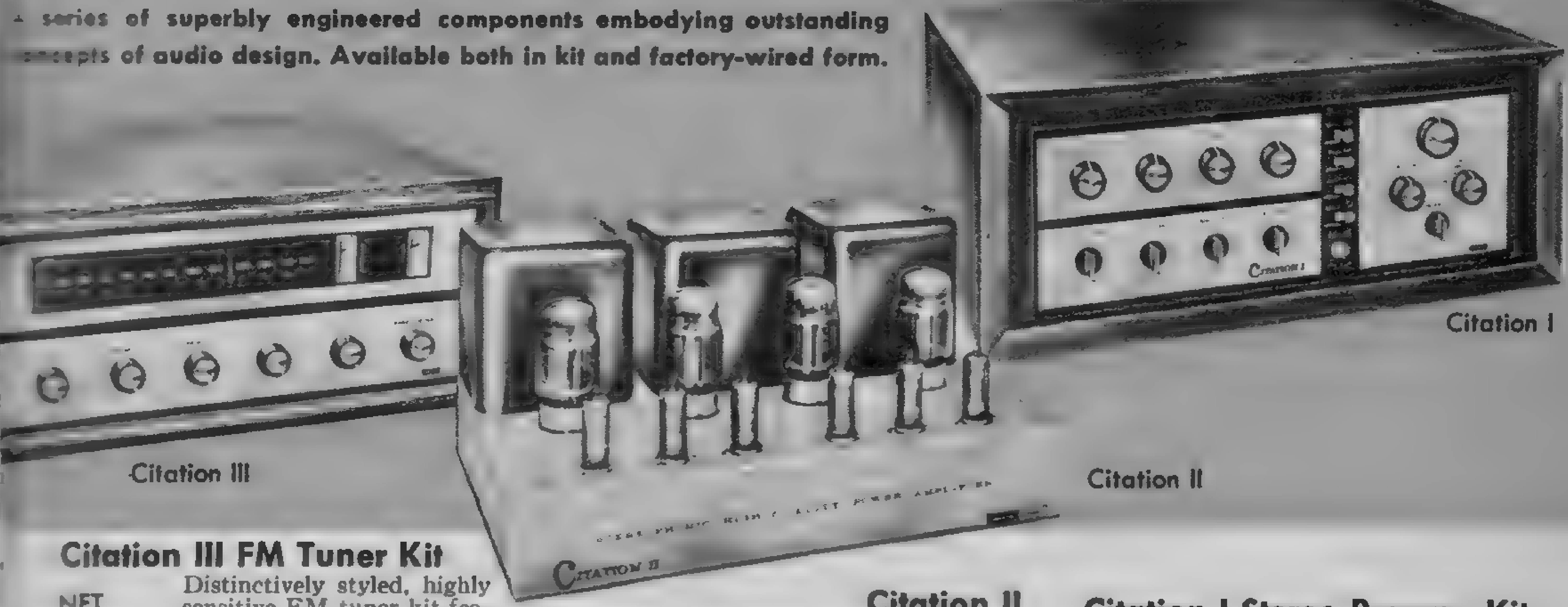
89 SU 321. *Only $5 Down.* NET........................59.
89 SU 325. Above, Factory Wired. *$5 Down.* NET..........79.

83 SX 005. PAM-1 Monophonic Preamp Kit. Requires PS-1 (bel when used with other than Dynakit amplifier. 7 lbs. NET....34.
89 SU 327. Above, Factory Wired. *$5 Down.* NET..........59.
83 S 038. PS-1 Power Supply Kit. Powers 2—PAM-1's. 2¾ lbs.8.
89 S 329. Above, Factory Wired. NET......................14.
83 S 037. DSC-1 Stereo Control Kit. 2 lbs. NET...............12
89 S 328. Above, Factory Wired. NET......................18

CITATION High-Fidelity Kits

harman kardon

A series of superbly engineered components embodying outstanding concepts of audio design. Available both in kit and factory-wired form.



Citation III FM Tuner Kit

NET **$149.95** Less Case

Distinctively styled, highly sensitive FM tuner kit featuring novel front-end design utilizing "Nuvistor" subminiature precision tube. Provides sensitivity of 0.65 microvolts for 20 db quieting with virtually no distortion. Front end and converter-IF subassemblies are factory assembled and aligned for convenient building. Two separate D'Arsonval movement tuning meters for signal strength and center channel tuning are also used for final alignment of the meters and discriminator without special test equipment.

Rigid, military-type terminal board assembly improves stability. Includes AFC for "lock-in" tuning, front panel volume control, three-position local/distance switch, and squelch control. Has provision for addition of multiplex adapter. Charcoal brown and gold. Less case, below. 6x14⅞x12¼". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 32 lbs.

89 SU 886. *$5 Down.* NET......149.95

89 SU 887. **As Above, Factory Wired.** *$10 Down.* NET..................229.95

MODEL WC-1 WOOD CASE FOR ABOVE. Finished in attractive, hand-rubbed walnut veneer. Size, 7¾x16³⁄₁₆x12⅝". Shpg. wt., [illegible] *Only $2 Down.*

89 SX 360. NET..................29.95

Citation II Stereo Basic Amplifier Kit

NET **$159.95** Less Case

This professionally-designed precision-engineered stereo basic amplifier delivers 60-watt output per channel for 120 watts of virtually distortionless stereo or monophonic reproduction. Up to 260-watt peaks to effortlessly drive even the most inefficient speaker systems. Extended frequency response goes two octaves above and below range of hearing—produces transparently smooth sound. Employs four KT88 audio output tubes, each with its own bias adjust potentiometer. Power supply consists of 4 silicon diode rectifiers, filter choke and heavy-duty electrolytics and potted power transformer. *Frequency Response:* +0, −1 db. 18-40,000 cps. *Harmonic Distortion:* less than 0.5% at full power; *Intermodulation Distortion:* less than 0.5% at full power. *Hum and Noise:* better than 90 db below 60 watts. Military-type construction. Gold and brown. 9x16⅜x11½". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 71 lbs.

89 SU 357-2. *$5 Down.* NET....159.95

89 SU 359. **As Above, Factory-Wired.** *$10 Down.* NET..................229.95

AC II METAL CASE FOR ABOVE. 2 lbs.

89 SX 361. NET..................7.95

Citation I Stereo Preamp Kit

NET **$159.95** Less Case

Advanced engineering techniques keynote this deluxe stereo preamplifier. Features include: military-type construction with phenolic terminal boards; professional step-type tone controls which compensate for the inadequacies of speakers, room acoustics and variations in program material; separate equalization for low and high frequencies; DC heated filaments and low noise resistors for hum-free performance. Nothing has been overlooked to give the listener complete control over program material.

Frequency Response: +0, −0.5 db, 5-80,000 cps. *Distortion:* less than 0.05% at 2 volts. *Controls:* Function Selector (Aux, Tape Amp, Tuner, Phono 1, Phono 2, Tape Head); Mode Selector (Stereo, Blend, A/B, Channel A, Channel B); Blend Control (also for adjusting third-channel output); Equalization (2); Tone (2); Balance; Phasing; Channel Reverse; Contour; Tape Monitor; On/Off. 6x14⅞x12¼". For 110-120 v., 50-60 cycle AC. Less case, below. Shpg. wt., 31 lbs.

89 SU 356. *$5 Down.* NET......159.95

89 SU 358. **As above, Factory-Wired.** *$10 Down.* NET..................249.95

89 SX 360. **Walnut Case For Above.** 29.95

Citation IV Stereo Preamplifier Kit

NET **$119.95** Less Case

Compact stereo preamp that embodies many features of the deluxe Citation I (above). Provides "flat" response from a point 2 octaves below to a point 2 octaves above the normal range of hearing. Separate bass and treble controls for each channel may be eliminated from circuit by special defeat switch on front panel. DC on all filaments and low-noise resistors reduce hum; military-type wiring boards for extra rigidity. Continuously variable blend control adds center fill as required. *Frequency Response:* +0, −½ db, 5-80,000 cps. *Distortion:* less than .05% at 2 volts. *Controls:* Function Selector (Aux, Tape Amp, Tuner, Phono-RIAA, Phono-LP, Tape Head); Mode Selector (Stereo, Reverse, A/B, Channel A, Channel B); Blend; Tone (4); Balance. Contour switch, rumble and scratch filters, tape monitor switch. 2 tape outputs. 5⅝x14⅞x11". Brown and gold. Less case, below. For 110-120 v., 50-60 cycle AC. 25 lbs.

89 SU 888. *Only $5 Down.* NET..........................119.95

89 SU 889. **As Above, Factory-Wired.** *Only $5 Down.* NET.....189.95

89 SX 892. **Wood Case.** In walnut. Shpg. wt., 3 lbs. NET.....29.95

Citation IV

Citation V 80-Watt Stereo Basic Amplifier Kit

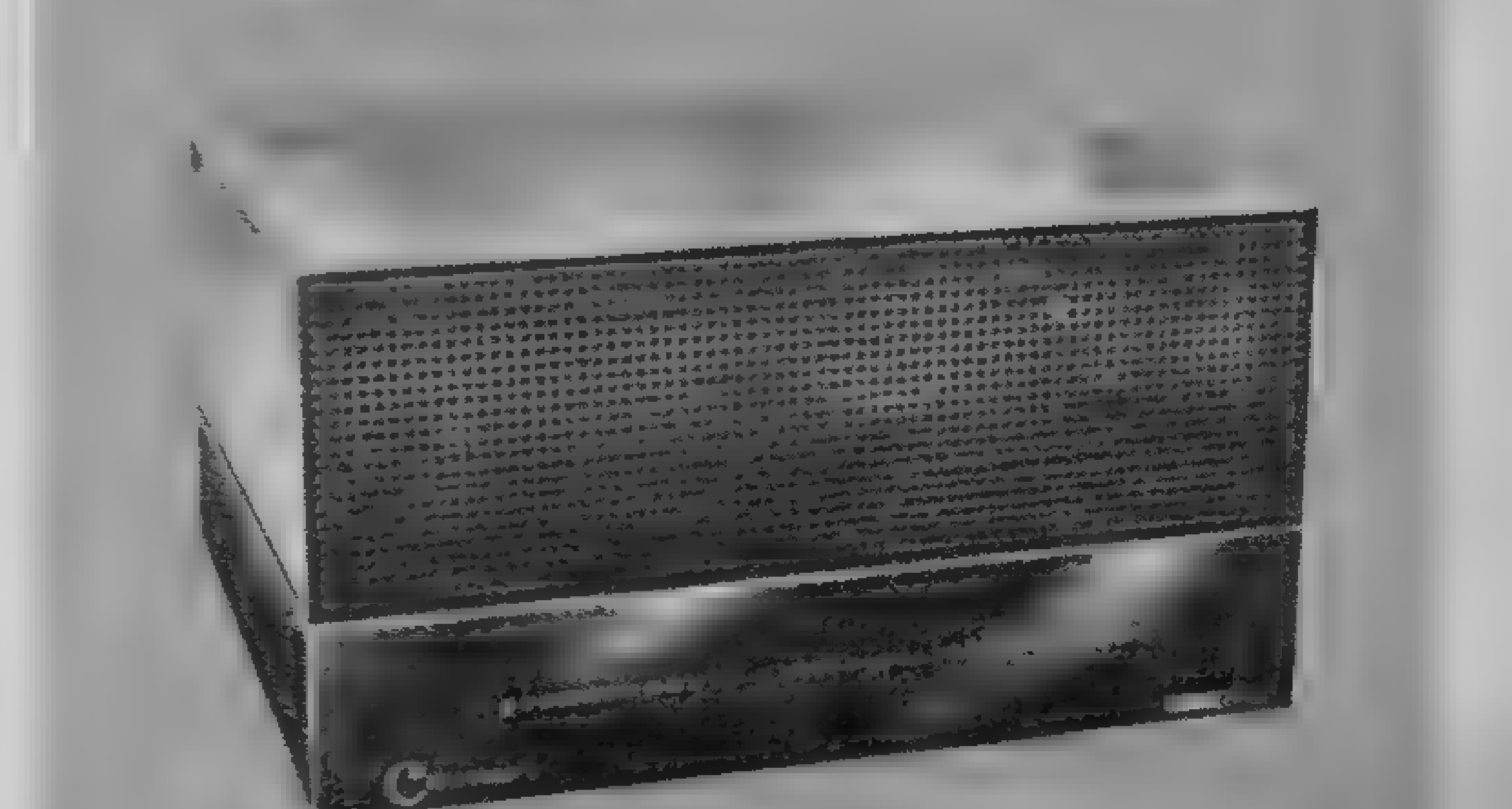
NET **$119.95** Less Case

Moderately priced version of the Citation II (above). Delivers 40 watts per channel for 80 watts of superb stereo or monophonic reproduction. High quality components include grain-oriented steel output transformers for clear, powerful low frequency response. *Response:* +0, −1 db, 7-45,000 cps. *Harmonic Distortion:* less than 0.5% at full power. *IM Distortion:* less than 0.5% at full power. *Hum & Noise:* Better than 85 db below [illegible] watts. Includes bias meter and military-type terminal boards. 5½x13⅞x11¼". Less case. Gold and charcoal brown. For 110-120 v., 50-60 cycle AC. Shpg. wt., 40 lbs.

89 SU 890. *Only $5 Down.* NET..........................119.95

89 SU 891. **As Above, Factory-Wired.** *Only $5 Down.* NET.....179.95

89 SX 893. **AC V Metal Case For Above.** Wt., 2 lbs. NET..........9.95



Citation V

See Pages 44-45 For Other Harman-Kardon Hi-Fi Components

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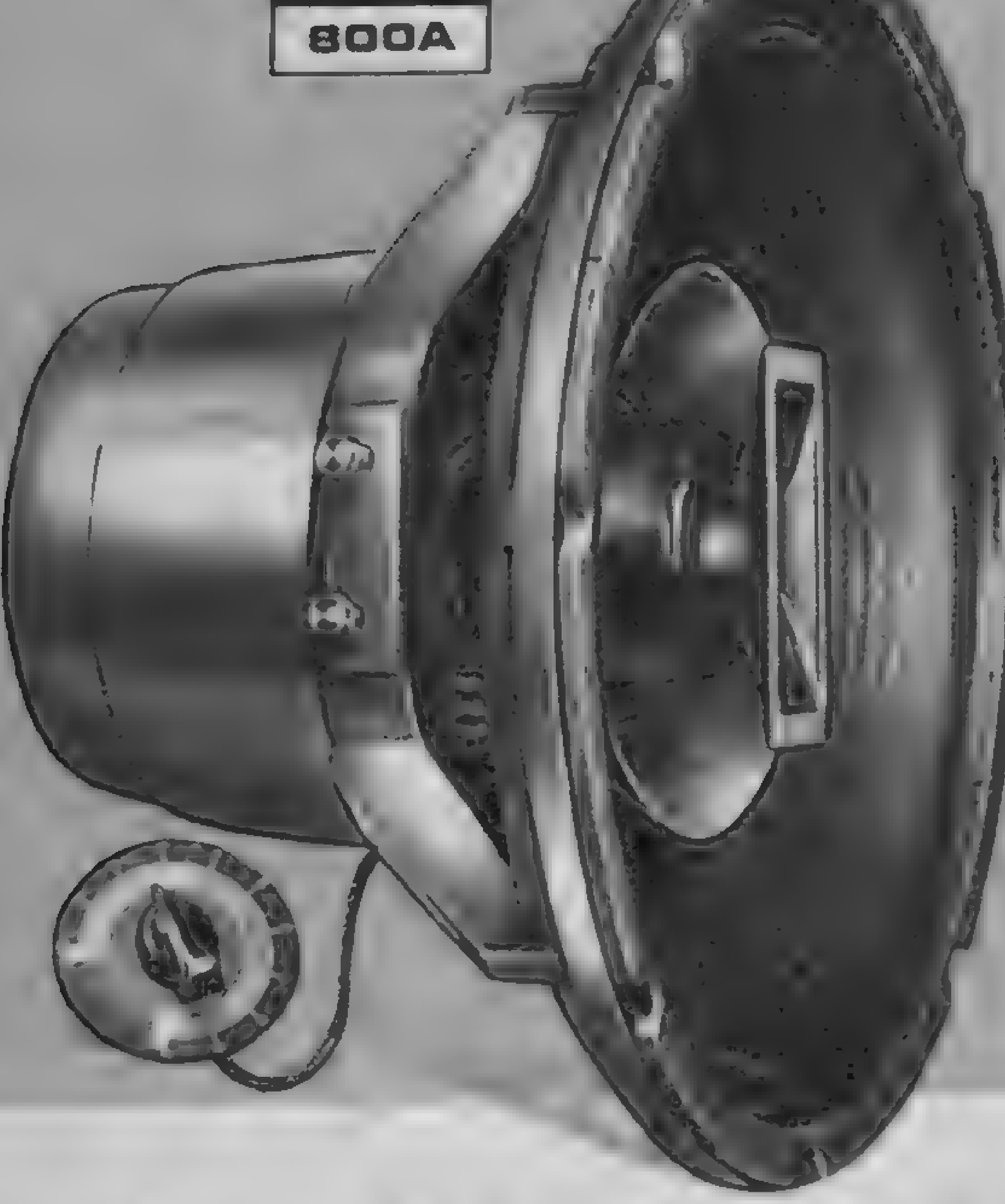
KNIGHT Laboratory-Tested Hi-Fi Speakers

FAMOUS FOR SMOOTH, NATURAL SOUND AND LOWEST DISTORTION; MANY THOUSANDS IN USE

Tested in Leading Acoustic Laboratories. Built by skille
American and British craftsmen, Knight hi-fi speakers are mad
with the finest equipment available. They are also given thoroug
listening tests under simulated home conditions, to assure you o
superlative quality and performance.

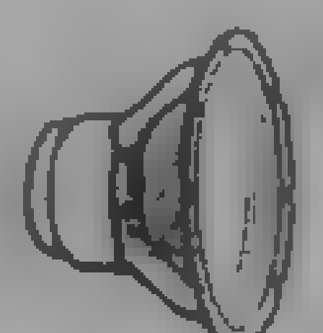
KN 800A



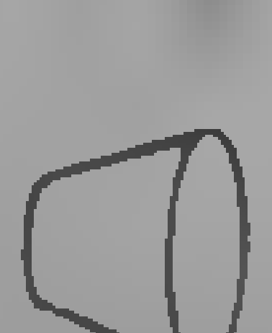
Universal Hi-Fi Speaker Favorite

WIDE-RANGE PERFORMANCE. Employs special, 3-element design for low-distortion coverage of the entire audible range.

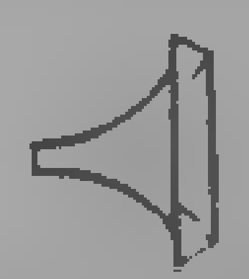
WOOFER. 12" bass cone for rich, full "lows" free of harshness.



MID-RANGE. Special axially mounted radiator.



TWEETER. Separate, compression driver and horn.



RIGID CAST FRAME. Maintains structural stability for permanent, exact alignment of all moving parts.

Knight KN-800A 3-Way, 12" Speaker

A WORLD-FAMOUS STANDARD OF HI-FI PERFORMANCE

ONLY $\$44^{95}$ **$2 DOWN**

- Reliable, Tried-and-Proven 3-Element Design
- Offers Precisely Balanced Bass, Mid-Range, Treble
- Unusually Efficient; Works Well in Any Enclosure
- Conservative Specifications . . . Outstanding Sound
- Made Under Careful, Quality-Controlled Conditions

Now recognized throughout the hi-fi world for its efficient and unusually dependable performance, the KN-800A's outstanding 3-way design leads the field, surpassing all other speakers of this type. It offers splendid sound in horn, reflex or shelf enclosures, and it works beautifully even with low-power amplifiers. Its separate sound-radiating elements—a full 12" bass cone, axially mounted mid-range cone, and diffraction-horn tweeter—employ two crossover points for nearly distortionless reproduction. A mechanical crossover separates bass and mid-range elements, and built-in electronic crossover gives a smooth transition from mid-range to high frequencies. As a result, the sound you hear from the KN-800A is a near-perfect blend, with no annoying "steps" between audio ranges. Use a pair of these outstanding speakers for brilliant results in your stereo music system.

Bass and mid-range cones are driven by a special-design, 1¾ lb. ceramic magnet. Rigid cast frame of the KN-800A maintains permanent, exact voice coil alignment through its structural stability. Smooth-operating level control—attached to the tweeter on a 30" cable—permits adjusting high-frequency brilliance to suit personal tastes or to match room acoustics. Complete with calibrated dial and control knob. Impedance, 16 ohms. Depth, 8". Made in U.S. Shpg. wt., 12 lbs.

35 DX 754. *Only $2 Down.* NET. 44.95

SPECIFICATIONS

Free Air Resonance: 50 cycles.
Power Capacity: 25 watts.
Overall Response: 35 to 15,000 cps.
Magnet: 1¾ lbs. ceramic.

Guaranteed for One Full Yea

KN-810A 15", 3-Way Speaker

Similar in construction to t
KN-800A, but with larger 15" woo
er cone, the KN-810A is designed t
provide an extra measure of ba
response in any enclosure. Frequenc
response is 30 to 15,000 cps. Res-
nant frequency,4 0 cps. Power han-
ling capacity, 25 watts. Impedanc
16 ohms. Depth, 9". Made in U.
Shpg. wt., 15 lbs.
35 DX 759. *$5 Down.* NET. . .54.9

For your complete protection—all parts, workmanship and performance specifications of Knight High-Fidelity Speakers are unconditionally guaranteed for one full year from date of purchase.

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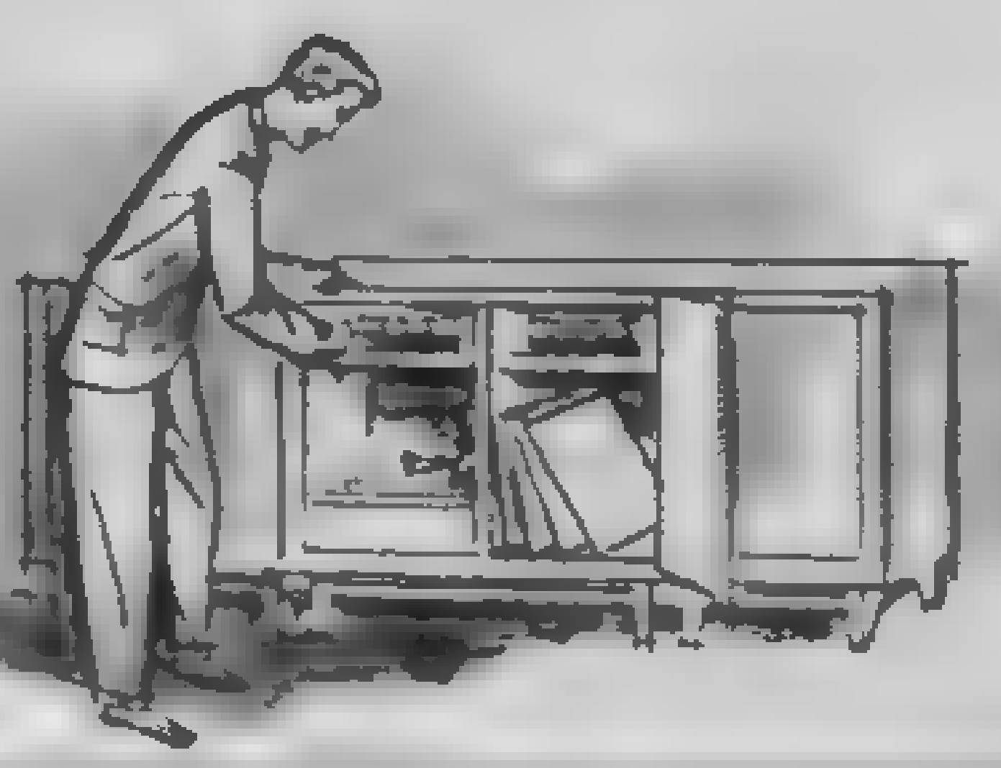
Superior Design—Unconditional, One-Year Guarantee

A "Best Buy" in Every Price Range. No matter what the size of your budget is . . . or what your music system plans may be . . . there is a superior-design Knight speaker to fit your needs.



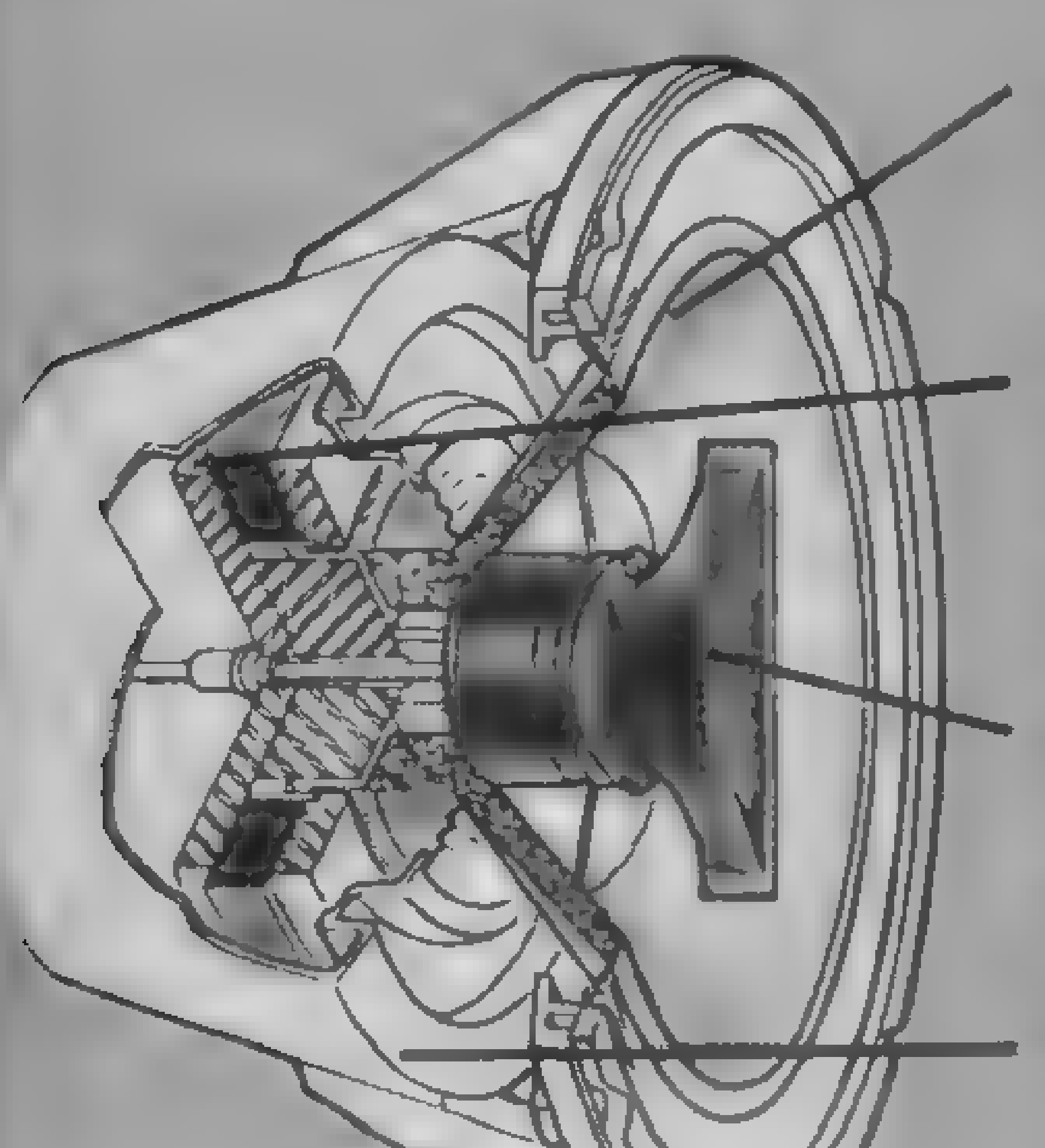
KNIGHT ENCLOSURES. Luxuriously styled and skillfully designed to bring out the best from the speaker of your choice. Kit or assembled units.

"The Big One"—for Solid, Extra-Low Bass Response

KN
600HC

UNSURPASSED QUALITY AT ITS PRICE

CHECK ITS MANY FEATURES IN THIS X-RAY VIEW

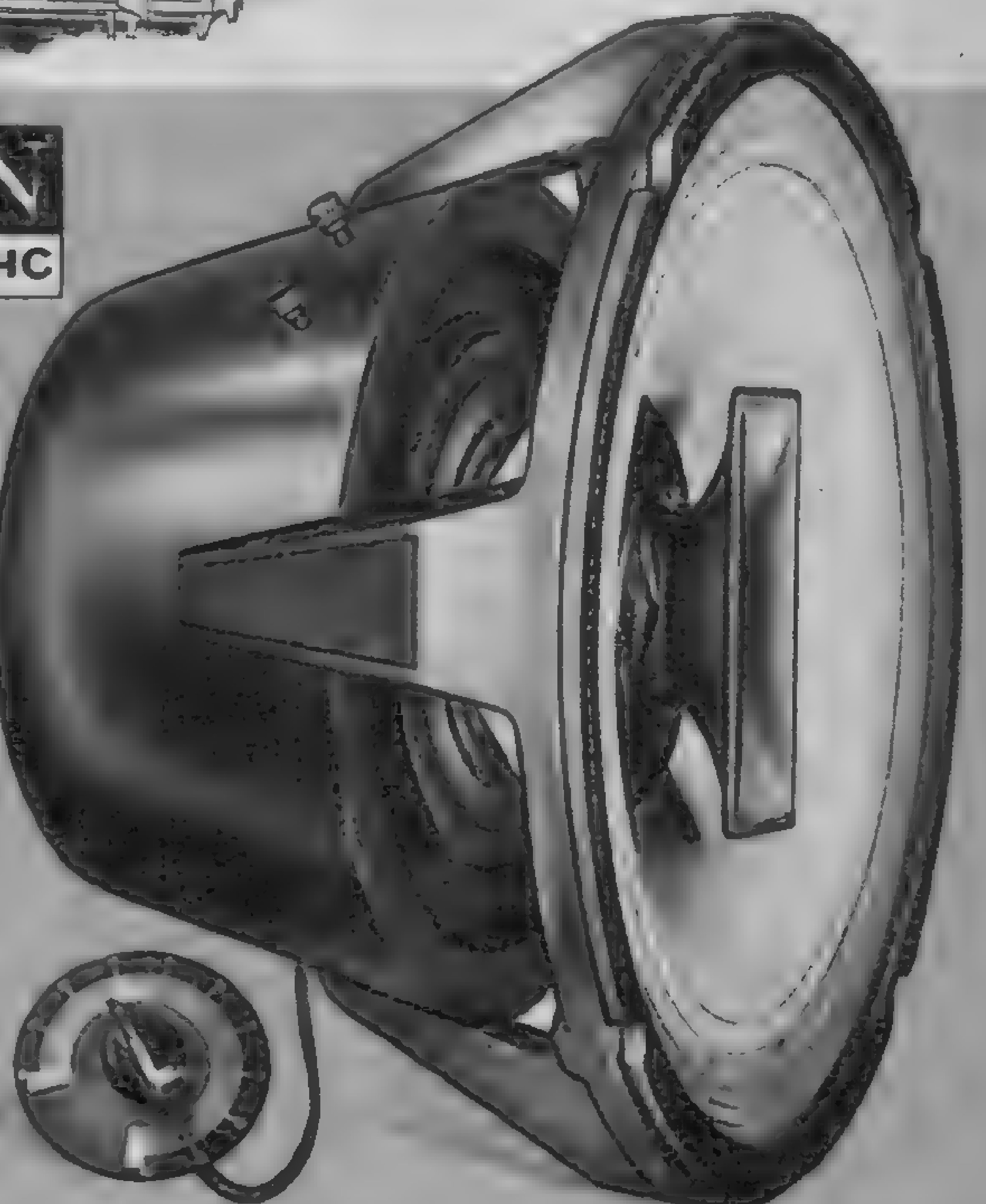


½-INCH THICK STYRENE CONE
12" cellular polystyrene bass cone.

4.6-LB. MAGNET
For high power capacity and superior damping.

EFFICIENT TWEETER
Compression-type, rectangular horn.

HEAVY CAST FRAME
Massive, one-piece cast alloy frame.



KN-600HC 12" High-Compliance Speaker

ONLY
$64.50
$5 DOWN

RIGID POLYFOAM CONE—HEAVY MAGNET

- **Features Ingenious Acoustical Engineering Throughout**
- **½"-Thick Polystyrene Woofer Cone For Authentic Bass**
- **Compression-Type Tweeter-Driver with Rectangular Horn**
- **Rugged Frame Design; Heavy, 4.6-lb. Ceramic Magnet**
- **Precision Electrical Crossover Network—Built in**

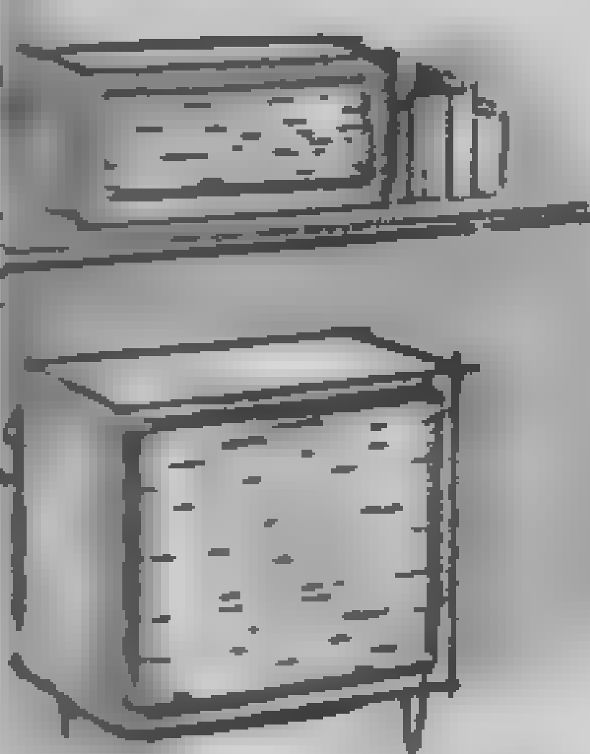
SPECIFICATIONS

Free Air Resonance: 25 cycles.
Power Capacity: 50 watts.
Overall Response: 25 to 18,000 cycles.
Woofer Magnet: 4.6-pound, ceramic.
Guaranteed for 1 Full Year

A radical innovation in high-fidelity speaker design—there's no other like it! The rugged KN-600HC is unique in audio technology. It features a cellular polystyrene bass cone, ½" in thickness, that is so rigid it can actually support a man's weight—yet it weighs little more than one ounce! A damping compound-impregnated, woven suspension provides high compliance and permits the cone to follow electrical pulses from the amplifier accurately, and with excellent recovery. Highly realistic "presence" is achieved through careful matching of its low and high-frequency elements. Axially mounted, compression-type tweeter features rectangular diffraction horn for distribution of highs over a wide area. Built-in electrical crossover network divides the sound into optimum low and high ranges; has brilliance control on 36-inch cable for adjusting tweeter to match room acoustics.

Here is 30 pounds of precision in a capable, rugged speaker, suitable for use in even the most compact of "infinite baffle" enclosures. It will give you peak performance in virtually any enclosure; highly recommended for use in pairs for breathtaking stereo sound. Extra-heavy, 4.6-lb. ceramic magnet offers high power handling capacity and excellent damping. Massive, cast alloy frame maintains perfect voice coil alignment. Imp., 8 ohms. Depth, 9½". Made in U.S. Shpg. wt., 30 lbs.
35 DU 755. *Only $5 Down.* **NET** 64.50

GIVES YOU SOLID, EXTRA LOW BASS IN ANY ENCLOSURE



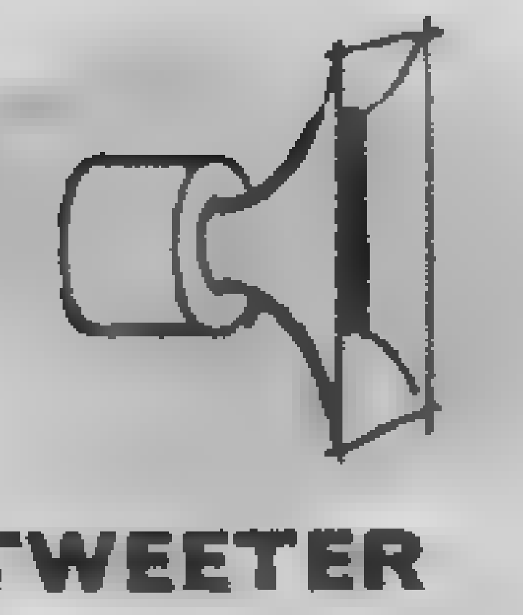
Enclosure size and type of loading are not critical with the KN-600HC. Its unique design and low resonant frequency, give you deep, true bass in any baffle.

LASTING QUALITY. Evident from its massive construction; heavy-duty, 4.6-lb. ceramic magnet; and precision voice coil made of copper ribbon.

KNIGHT Deluxe Speaker

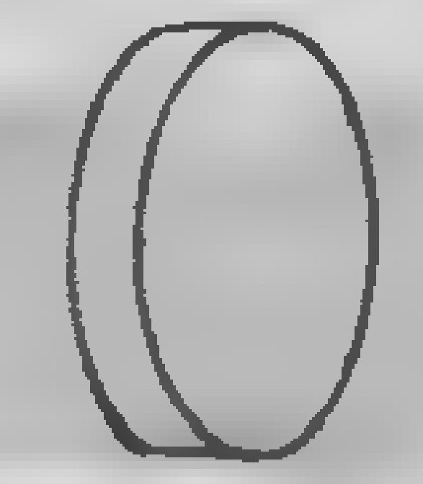
Our Finest Quality 12" and 15" Speakers

KN 850



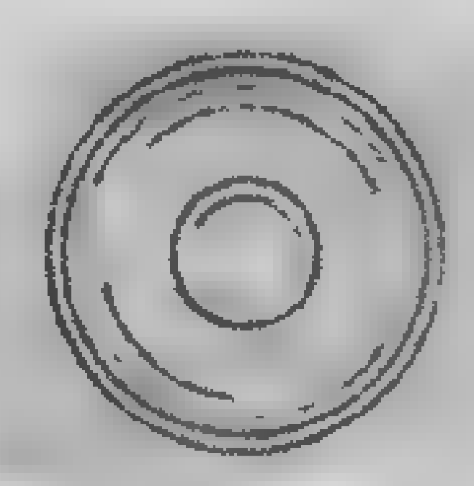
TWEETER

Compression-Type tweeter with phase-correction chamber for clean, wide-angle highs.



MAGNET

Unusually heavy magnets assure high efficiency and lowest distortion.



WOOFER

Vacuum-formed woof cone has speciall treated edge susper sion; finest materials.

Precision-Built to Allied's Specifications in Englan

AS LOW AS $79.50 $5 DOWN

The finest in advanced acoustic design, these hig compliance, high-efficiency speakers deliver supe reproduction. Outstanding in every detail, they a precisely built by British craftsmen and feature thr elements for ultra-smooth bass, mid-range and treb reproduction. Vacuum-formed woofer cone with chem ically treated edge-suspension has 25/35 cps resonanc Mid-frequency radiator cone is mounted in center of woofer; tweet with rectangular exponential horn provides wide-angle high-frequen dispersion. In addition, the custom-quality double-section, 2-co 2-capacitor crossover network is mounted directly onto the rigid, extr heavy die-cast frame. Mechanical crossover at 2000 cps; electrical cros over, 5000 cps. Wired-in, L-pad high-frequency level control on 72" cab Massive magnet structures assure high concentration of magnetic fl in voice coil gap for distortion-free reproduction of even the most powe ful bass passages. Magnet materials are highly efficient Alcomax I (KN-815A), and new Magloy "X" (KN-850). Impedance, 16 ohms.

NEW MODEL KN-850 12" SPEAKER. Shpg. wt., 35½ lbs.
35 DU 757. *Only $5 Down.* **NET**............................79.5

MODEL KN-815A 15" SPEAKER. Shpg. wt., 37¼ lbs.
35 DU 758. *Only $5 Down.* **NET**..............................89.

KN 815A

SPECIFICATIONS

KN-850 12" SPEAKER

Free Air Resonance: 35 cycles.
Overall Response: 30-20,000 cps.
Magnet Weight: 5 lbs.
Magnet Material: Magloy "X"
Crossover Network: Dual-Coil, dual-capacitor, with high-frequency level control on 72" cable.
Power Capacity: 50 watts.
Total Flux: Over 200,000 maxwells.

KN-815A 15" SPEAKER

Free Air Resonance: 25 cycles.
Overall Response: 25-20,000 cps.
Magnet Weight: 6¼ lbs.
Magnet Material: Alcomax III.
Crossover Network: Dual-coil, du capacitor, with high-frequency le control on 72" cable.
Power Capacity: 50 watts.
Total Flux: 227,000 maxwells.

Knight Deluxe 8" Hi-Fi Speaker

Employs the precise workmanship reserved for the finest of audio products. Incorporates as much in design as it is possible to build into a speaker of this size. Provides clean sound with plenty of bass; tops in mid-range and highs. Vacuum-formed, hyperbolic cone with silicone-treated edge suspension; 1.4-lb. Alcomax III magnet; rigid die-cast frame. Imp., 16 ohms. Wt., 10 lbs.
35 DX 760. NET................18.95

ONLY $18.95

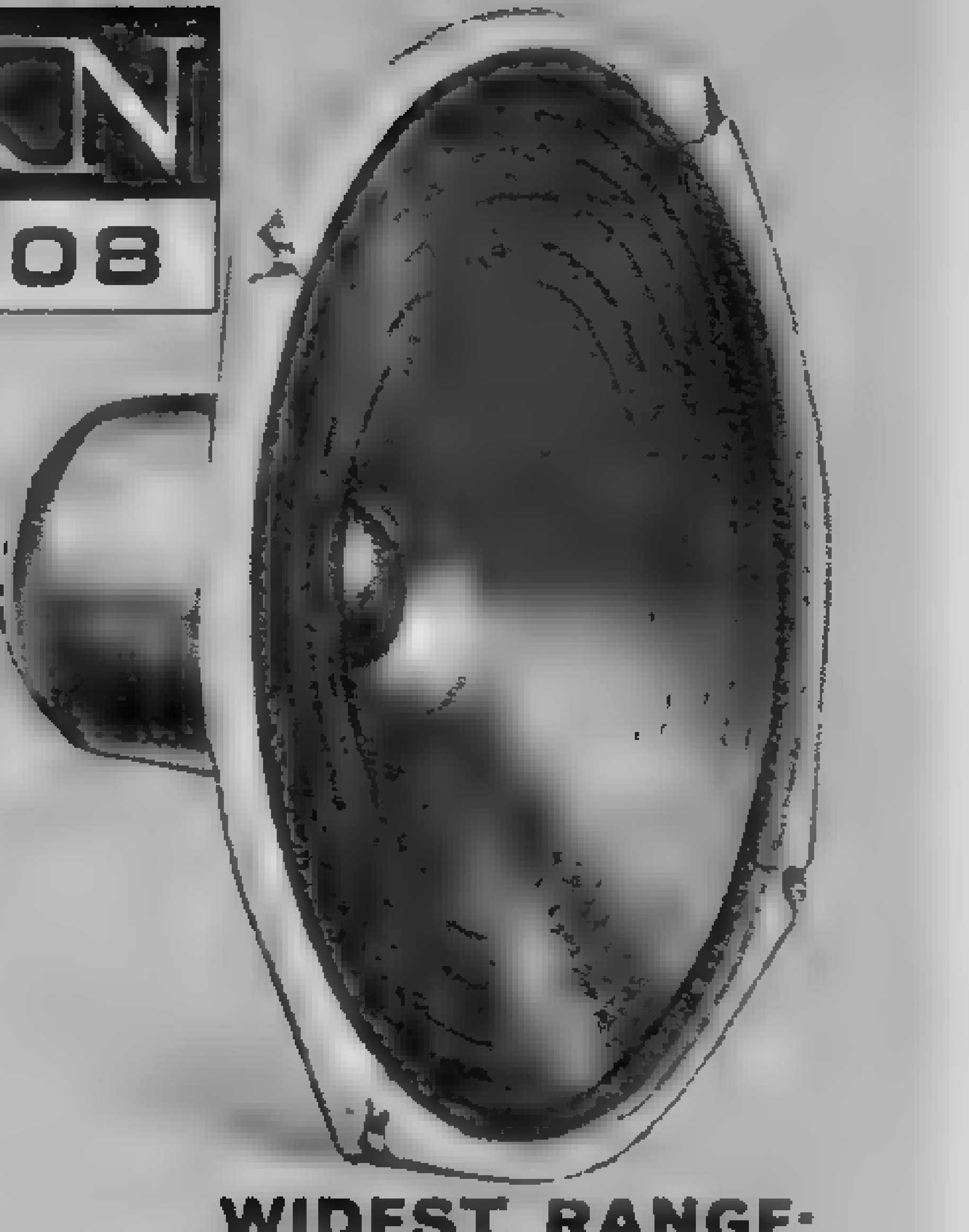
SPECIFICATIONS

Overall Response: 40-13,000 cps.
Magnet Weight: 1.4 lbs.
Magnet Material: Alcomax III.
Power Capacity: 20 watts.

KN 818

Knight Hi-Fi Speakers Are Featured in Allied Music Systems

KN
808



WIDEST RANGE; LOWEST COST

Quality 8" Speaker

ONLY $9.95

- Made in England to Allied Specs
- Special Hyperbolic Cone Shape

An excellent value at this low price, the KN-808 is a fine choice for low-cost music systems. Carefully built to Allied's specifications by British craftsmen, it features a soft-suspension, hyperbolic cone for bass reproduction with astonishing fidelity. Mid-range and highs are brilliantly clear without shrillness.

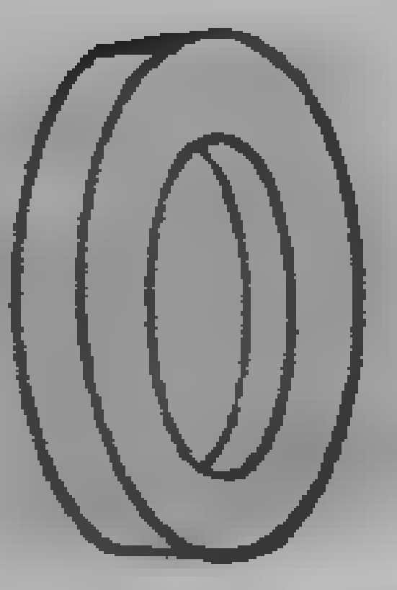
The KN-808 is an ideal "space-saver." It is perfect for use as an extension speaker, or as a high-quality replacement speaker in radios, TV sets, phonographs, etc.

Offers wide-range response: 50 to 12,000 cps. Power handling capacity, 15 watts. Impedance, 16 ohms. Shpg. wt., 3 lbs.
35 DX 761. NET.............9.95

Unusual Value 12" Hi-Fi Speaker

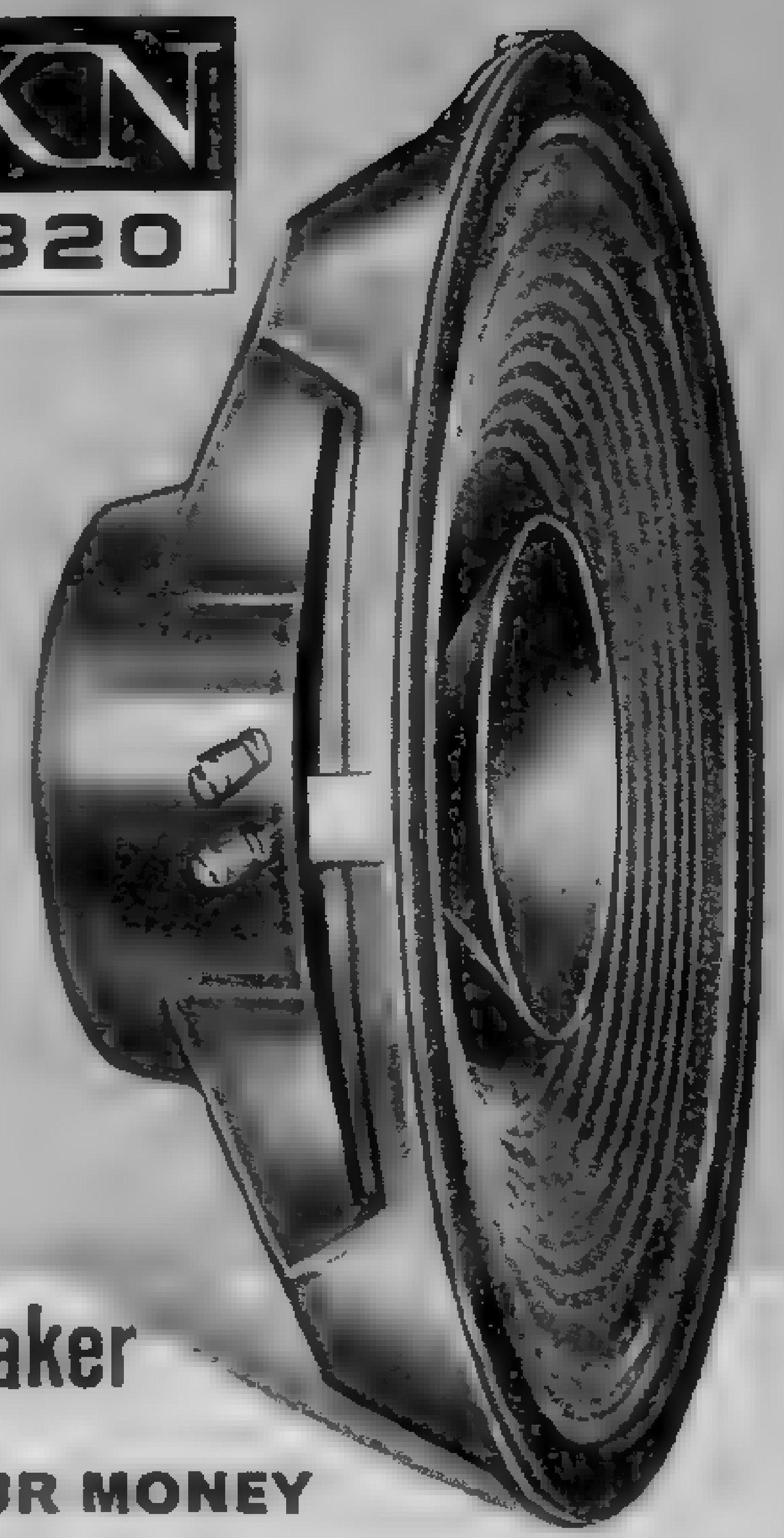
MANY EXPENSIVE SPEAKER FEATURES

KN
820



CERAMIC MAGNET. Ring-type; for efficient concentration of flux density in speaker air gap, low leakage and great strength.

DUAL-CONE DESIGN. Woofer for maximum bass; smaller cone for clear mid-range and treble.



Economy Champion 12" Speaker

GIVES YOU THE MOST FOR YOUR MONEY

ONLY $16.95

- Rigid, Die-Cast Metal Frame; Ceramic Magnet
- Edge-Wound 2" Voice Coil on Fiberglas Form
- Shallow Construction—Ideal for Custom Mounting

Presenting an unexcelled economy champion—the Knight KN-820 12" hi-fi speaker with dual-cone construction. Priced so low, you can buy two of these excellent speakers for less than you would pay for most single speakers of comparable quality. Carefully made to rigid specifications, the KN-820 employs two cones for richer sound; large cone for full, smooth bass, and smaller cone for efficient reproduction of mid-range and high-frequency sounds. Features include: edgewise-wound, copper ribbon voice coil; perfectly molded, durable fiberglas coil form; voice coil assembly sealed against dust; efficient, ring-type ceramic magnet; rigid, cast-metal frame for permanent centering of all sound-reproducing elements, shallow frame design—less than 4" in depth! Get the most for your hi-fi dollar with this magnificent bargain! Made in U.S. Shpg. wt., 6 lbs.
35 DX 756. NET.............16.95

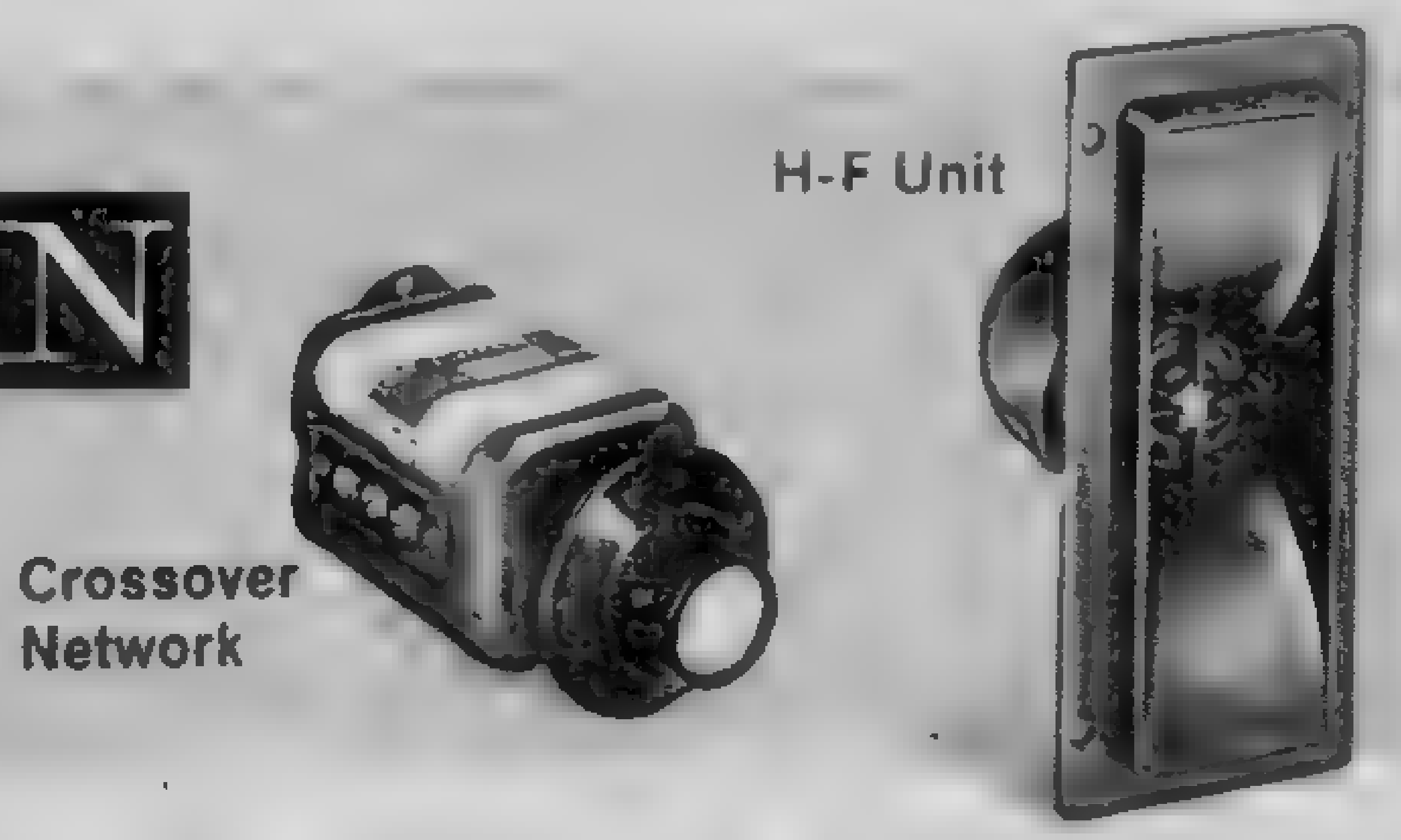
SPECIFICATIONS

Response: 40 to 13,000 cps.
Capacity: 20 watts; 40-watt peaks.
Resonance: 40-55 cycles.
Impedance: 8 ohms.
Magnet Weight: 12 ounces.
Mechanical Crossover: 4500 cps.
Voice Coil Diameter: 2".
Flux Density: 10,500 gauss.
Voice Coil: Copper ribbon.
Frame: Die-cast zinc.

KN

KN High-Frequency Package

For converting any single-cone speaker into a highly efficient, 2-way speaker system. Provides clean, wide-range response from 3000 cycles to beyond 18,000 cycles. Quickly, easily installed in any enclosure.



SPECIFICATIONS

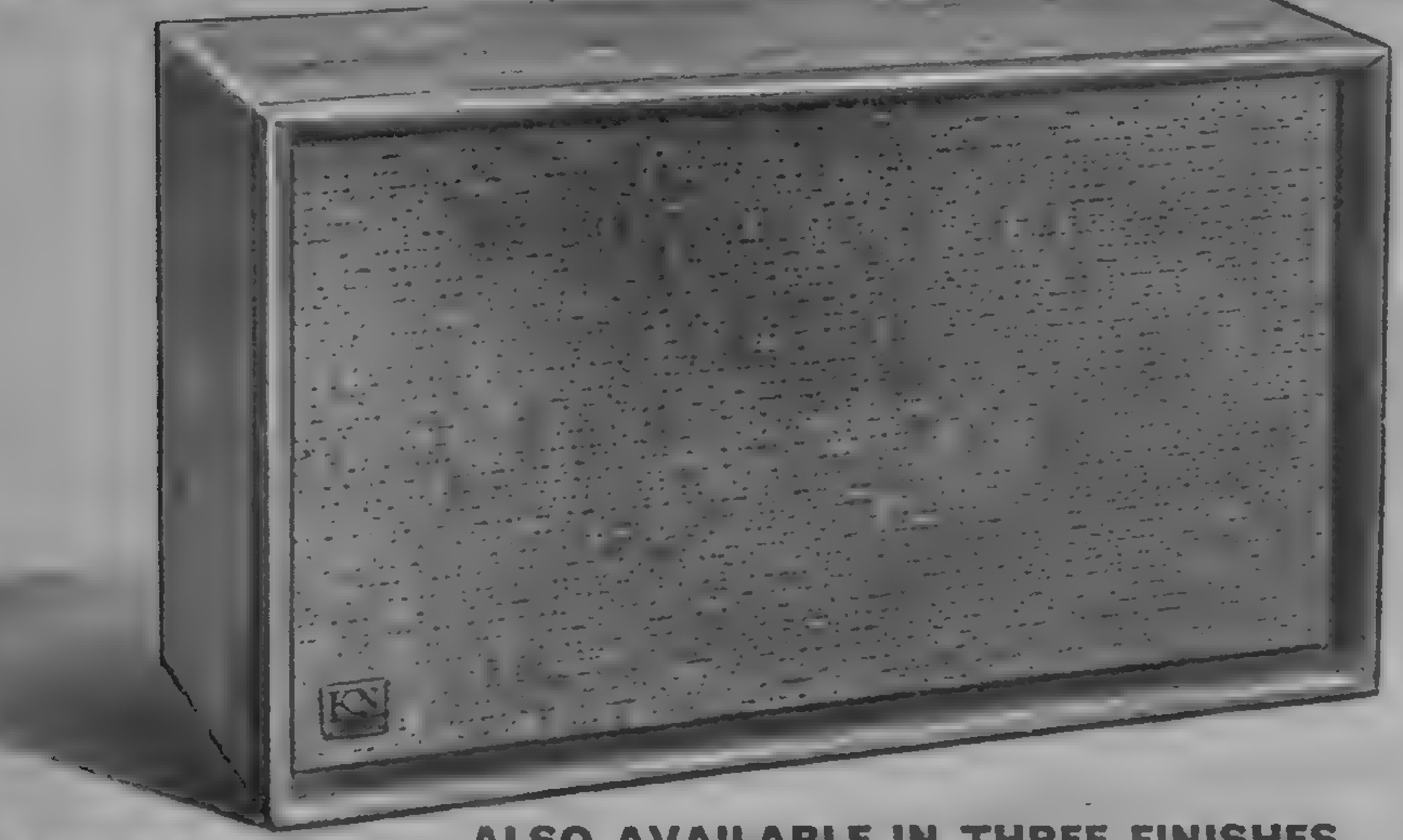
Response: 3,000 to 18,000 cps.
Crossover: 3500 cps.
Dispersion: 180°.
Power Handling Capacity: (in conjunction with woofer): 25 watts.
Magnet Weight: 6 oz.
Impedance: 8 or 16 ohms.

Tweeter, Crossover and L-Pad Combination

ONLY $18.95

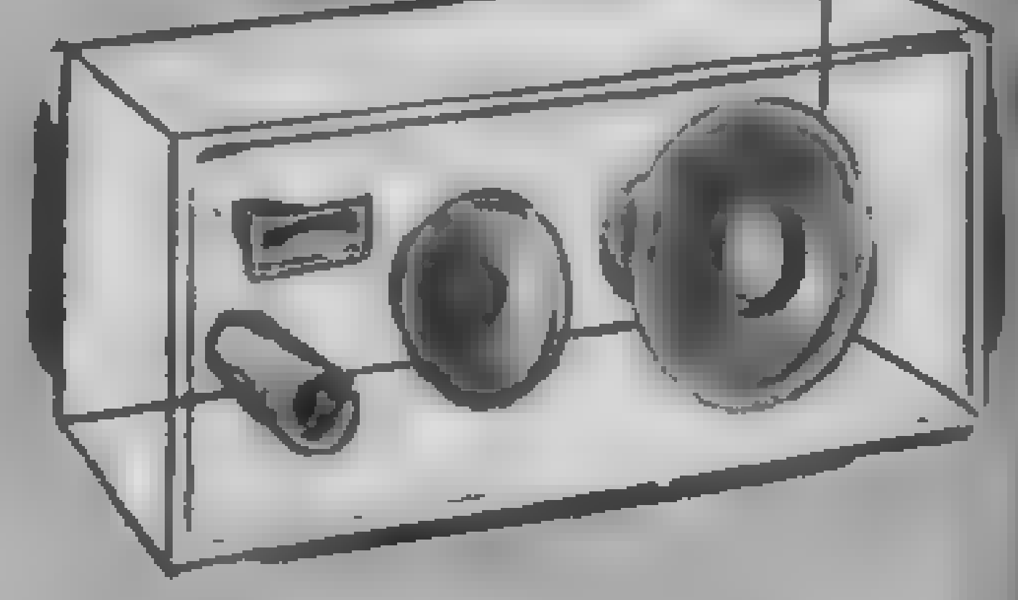
No finer, easier way to add "highs" to your present single-cone speaker system! Top specifications of the KN tweeter package are lab-tested and certified—proof of its superiority! Components include: VHF Tweeter, L-C type Crossover Network in sealed housing, and integral L-pad Level Control. The tweeter employs a flanged, cast exponential horn and diffraction principle to achieve wide dispersion of highs. Generous magnet and efficient design permit unusually-high output free of distortion. Can be mounted inside your cabinet (tweeter cut-out template is supplied), or can be placed atop cabinet. Made in U.S. Shpg. wt., 3 lbs.
35 DX 762. NET.............18.95

Save Most on KNIGHT High-Compliance . . .Hig



ALSO AVAILABLE IN THREE FINISHES

Superlative Value Speaker System



Incorporates: Acousti-cally Precise Enclosure . . 12″ High-Complianc Woofer . . . Special-De-sign 8″ Mid-Range Speak-er . . . Compression-Typ Tweeter with Exponentia Horn . . . and Tuned Duc

KN 2000A

High-Compliance, Unfinished 3-Way Speaker System

ONLY

$74.00

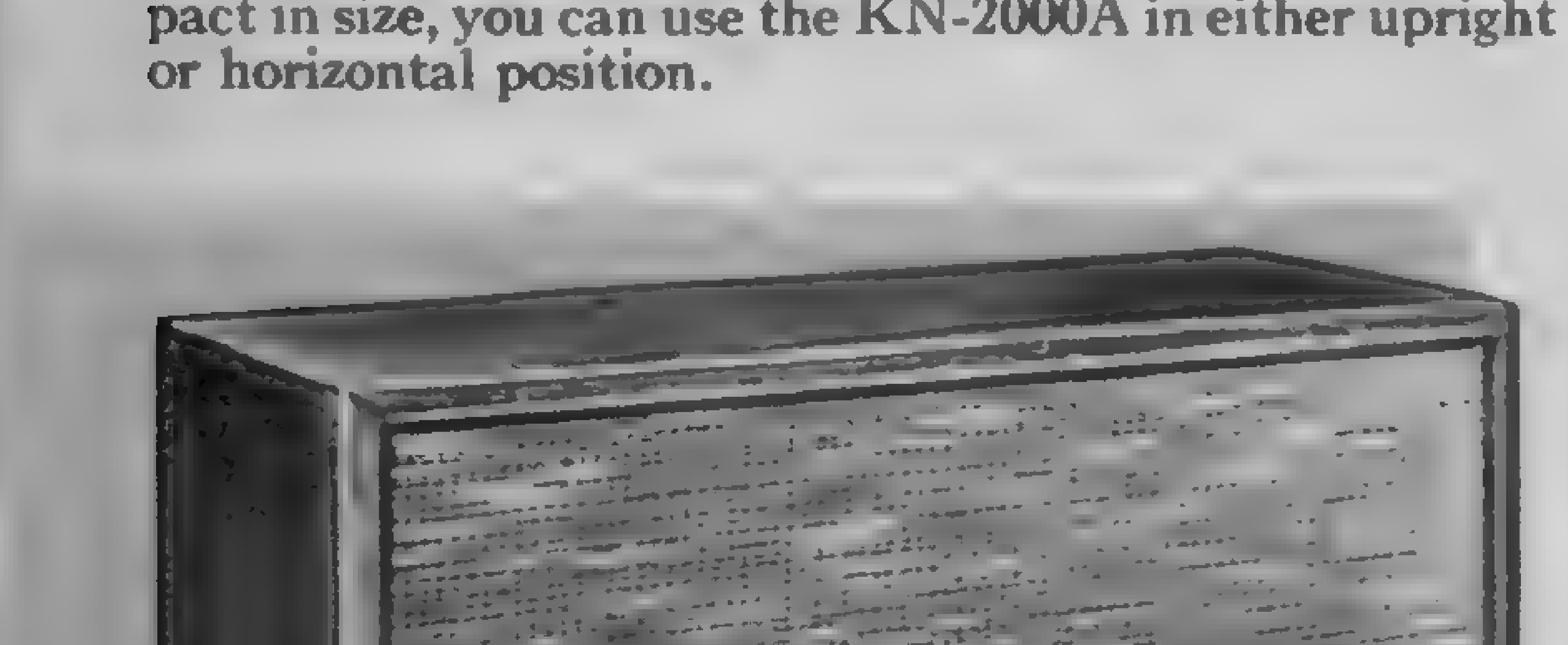
$5 down

Improved version of a sensationally successful speaker system! The original KN-2000 won itself a legion of fans with its unusually clean sound—and the new KN-2000A is even better! Each of its inner components is designed to excel in a specific job—combined, they provide sound reproduction that is rich and pleasing. Components include: high-compliance, 12″ woofer with long-throw voice coil capable of long cone excursions for superb bass; special-design, 8″ mid-range speaker for adding "presence" to the overall acoustic effect; compression-type tweeter with exponential horn for wide-angle dispersion of highs; and tuned duct for natural bass. Also includes L-C type crossover network and level control for regulating treble response. Compact in size, you can use the KN-2000A in either upright or horizontal position.

SPECIFICATIONS: *Frequency Response:* 30 to 19,000 cps *Harmonic Distortion:* less than 2% from 50 to 15,00 cps at average room level. *Power Handling capacity.* 40 watts music waveform. *Impedance:* 8 ohms.

Precision-built, hardwood enclosure is smooth sanded—you can complete it in the finish of your choice—it's easy and it's economical (low-cost furniture finishing kits are listed elsewhere in this section). Cabinet i durably constructed of ¾″ wood and all panels are carefully braced to eliminate vibrations. Natural beige grill cloth; blends easily with any furniture mode or decorative scheme. Overall size, 13⅞″ high, 26⅜″ wide 12¾″ deep. Shpg. wt., 45 lbs.
35 DU 736. *Only $5 Down.* **NET**................**74.5**

FINISHED MODEL KN-2000A SPEAKER SYSTEM. As above but in **mahogany, limed oak or walnut.** Finished on 4 sides
35 DU 764C. *Specify Finish.* **NET**................**84.5**



KN 280

Low-Cost KN-280 2-Way Systen

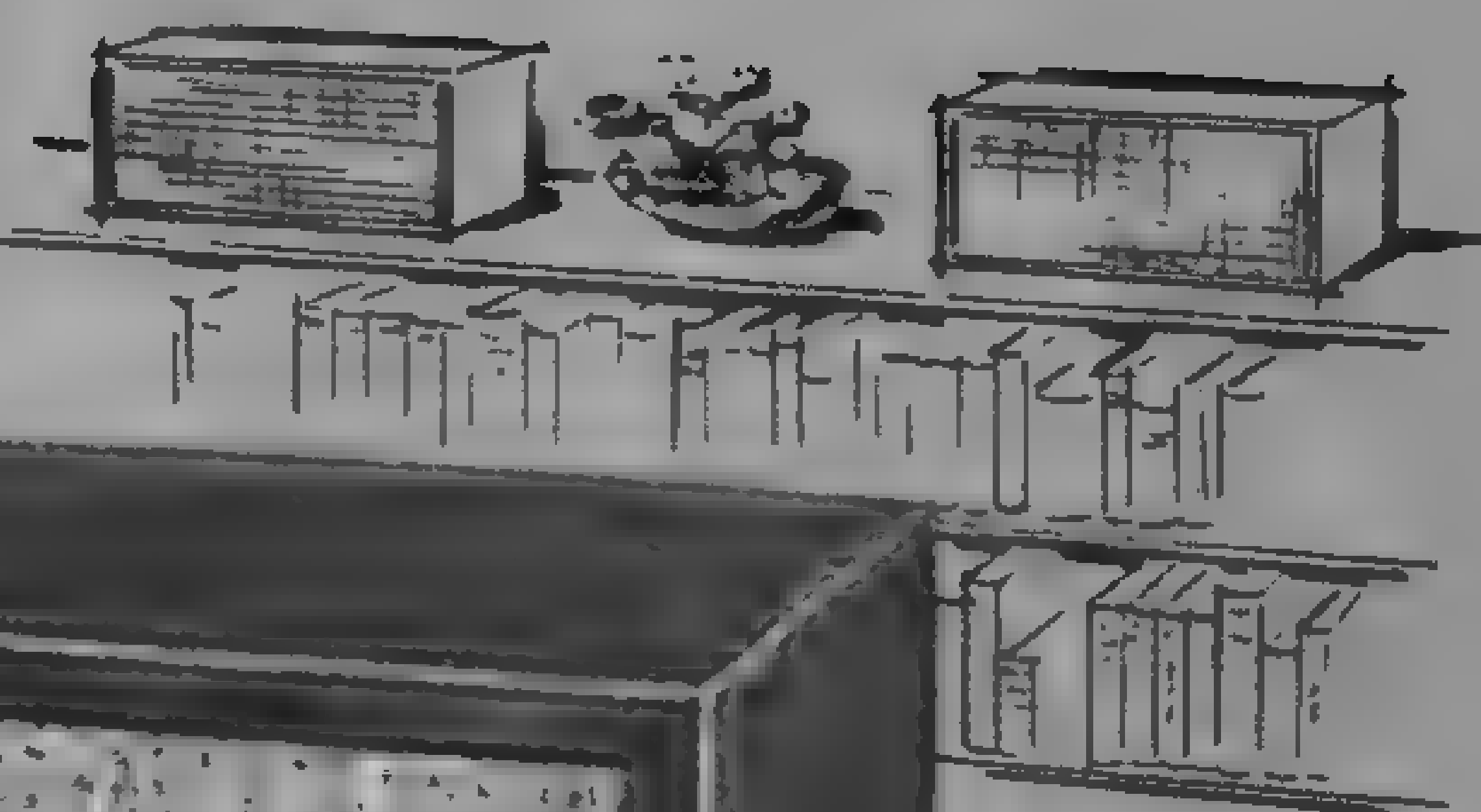
$49.95

$2 down

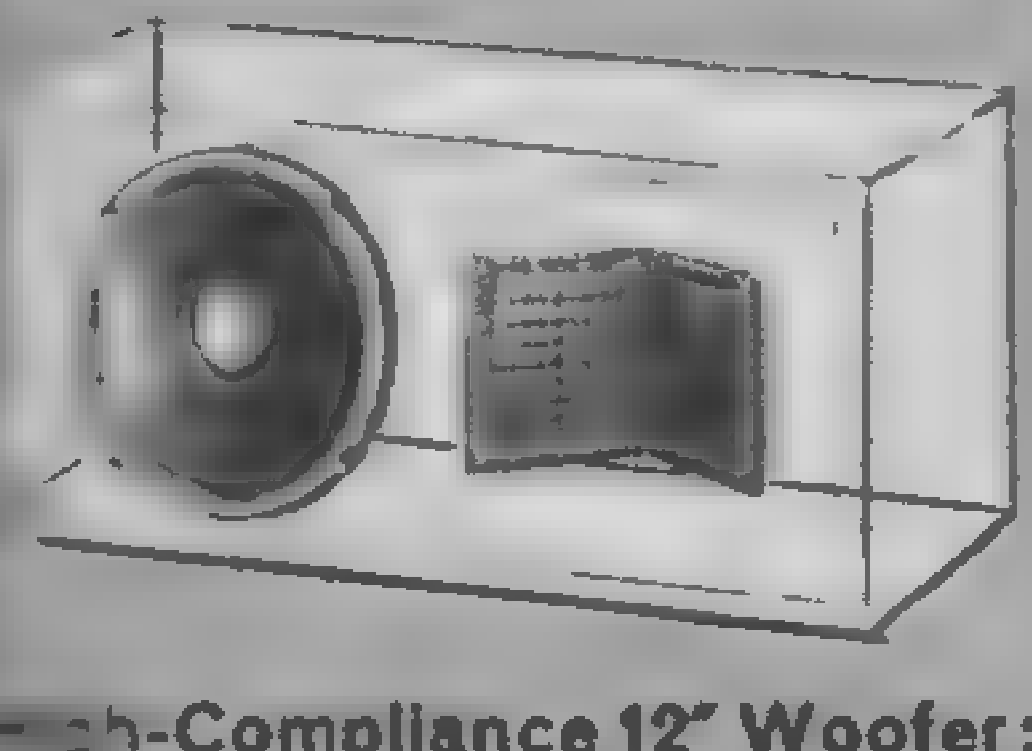
The deep, smooth bass that only a high compliance unit can provide—at a pric within easy reach of any budget. Carefully engineered, the KN-280 provide rock-bottom bass, sparkling mid-range and transparently clear treble. Ha high-compliance, 8″ woofer with over size voice coil and flexible-fold suspension for extremel long cone excursion and boom-free bass; precision tune duct; and 3½″ tweeter for cleanest highs. Carefull assembled and tested, each KN-280 gives you th laboratory-verified, *audible* response of 36-13,000 cycles It is a magnificent value at this unusually low price Purchase two KN-280's for your stereo music system—you'll like the sound they provide!

Also features electrical L-C-type crossover networ with level control for adjusting tweeter response. Capacity, 25 watts. Impedance, 16 ohms. Size, 12½x24 10½″. Finished on four sides **in mahogany, limed oak o walnut veneers.** Shpg. wt., 28½ lbs.
35 DU 765C. *Specify Finish.* **NET**................**49.9**

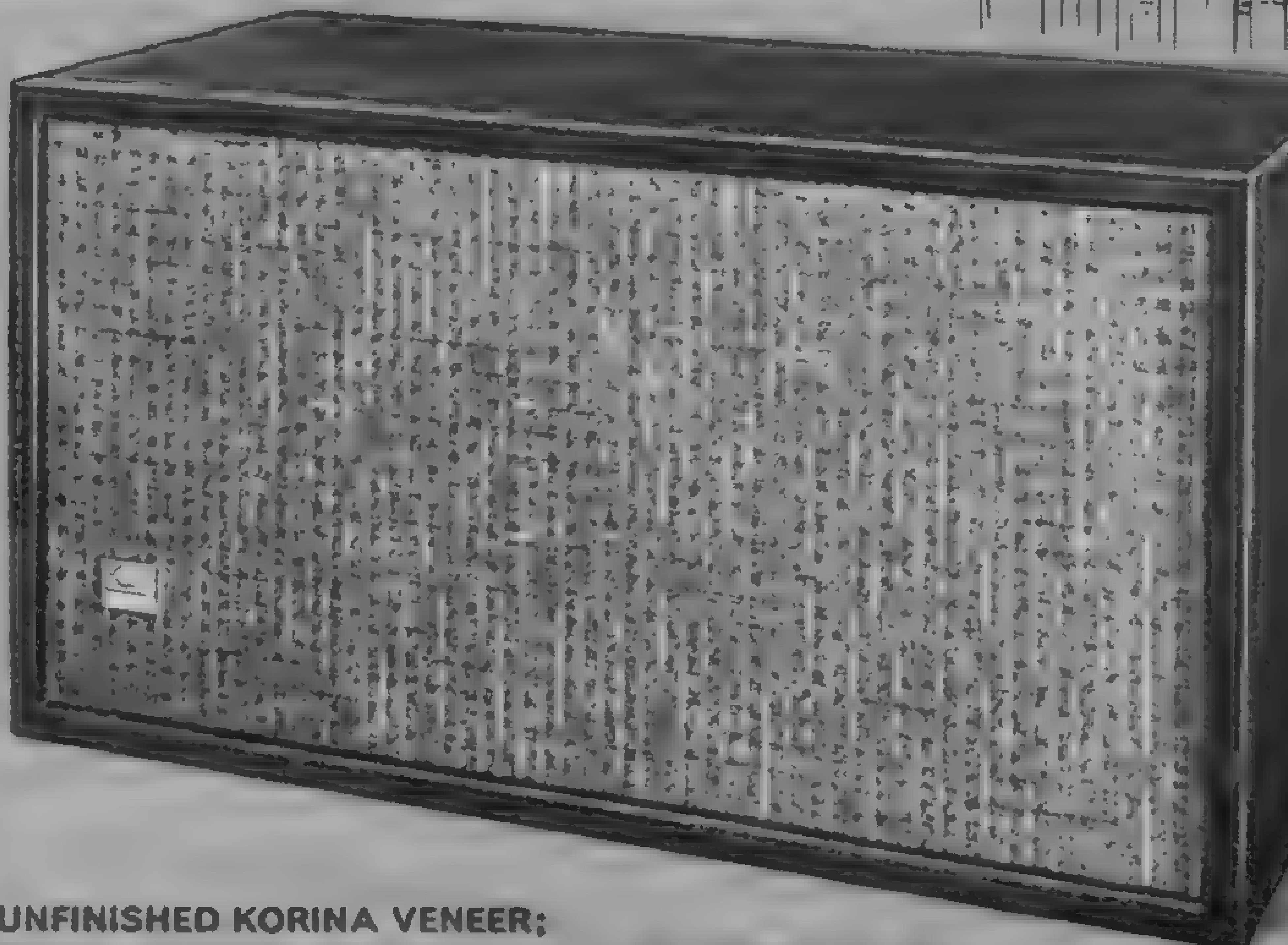
ce . . .High-Quality Shelf Speaker Systems



FABULOUS SPEAKER SYSTEM—NOW IN MONEY-SAVING KIT FORM



High-Compliance 12″ Woofer; Two Electrostatic Radiators



KIT IN UNFINISHED KORINA VENEER; ASSEMBLED, FINISHED MODELS AVAILABLE (SEE BELOW)

KN 3000AK

Kit Version of Our Phenomenal KN-3000A Speaker System!

WITH TWO PATENTED ARTHUR JANSZEN DESIGN ELECTROSTATIC TWEETERS

ONLY $\$99^{50}$ **$5 down**

MODEL KN-3000A-K. Originally designed for critical broadcast and professional applications, and a tremendous favorite with discerning audio enthusiasts—now available in low cost, money-saving kit form! Kit includes everything you need to build what is acknowledged as one of the finest high-compliance speaker systems available today. Its actual sound-reproducing elements are a precisely made, 12″ high-compliance woofer and dual Janszen electrostatic tweeters, for a quality of reproduction rarely achieved. When fully assembled, this extraordinary speaker system provides clean, extended high and low frequency response of 30 to 25,000 cycles. At full 50 watts input, *distortion is held to less than that of many high-quality amplifiers!*

The unique 12″ woofer features a high-compliance cone whose weight distribution is controlled with great precision by special-design aluminum rings. Even the lowest tones of organs or bass musical instruments are reproduced with surprising realism. Two patented, Arthur Janszen electrostatic radiators (push-pull type), disperse purest highs over a wide listening area. These high-frequency speakers are renowned for their superior ability to reproduce treble frequencies to inaudible limits.

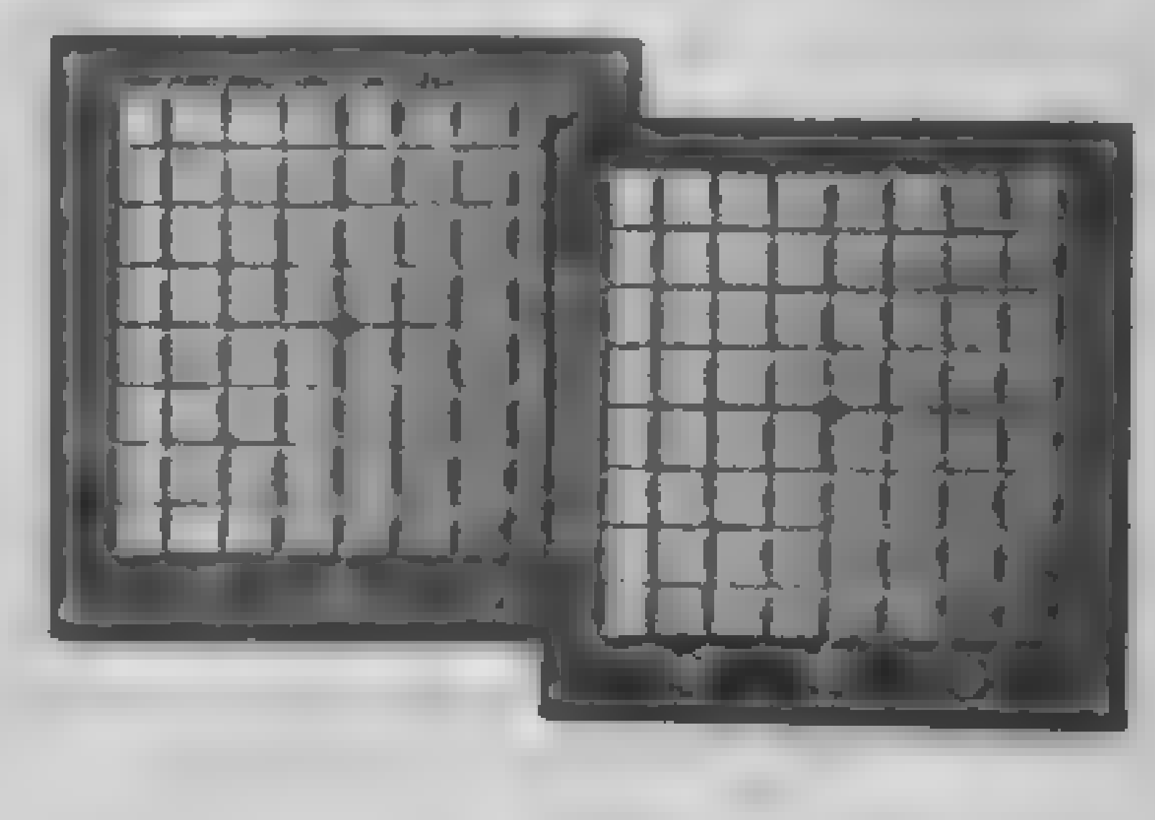
Panels for building the sealed enclosure are of ¾″ hardwood, and employ lock-miter joints throughout. Unfinished Korina veneering is used for external surfaces—you can paint it in the color of your choice, or use our low-cost furniture finishing kits (described elsewhere in this section), to attain a professional cabinet finish in the color of your choice. Kit includes: woofer, tweeters; pre-wired power supply; acoustic fiberglas damping material; and all parts.

Savings are a substantial $25.00 over cost of assembled, finished unit below! Size when assembled, 14x26½x13″. Can be used in upright or horizontal position. Made in U.S. Tweeters have off-on switch; operate from 110-120 v., 50-60 cycle AC. Shpg. wt., 50 lbs.
35 DU 767. *Only $5 Down.* **NET**.................................99.50

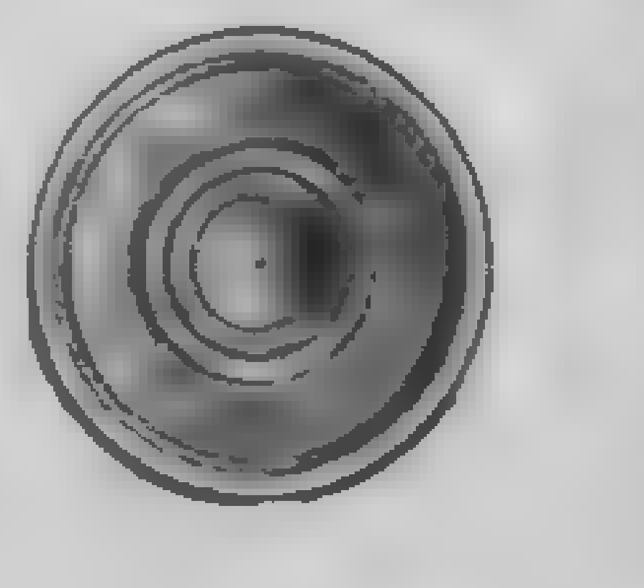
Factory-Assembled, Finished KN-3000A Speaker System

Assembled by professional craftsmen, and given a gleaming furniture finish. Finest genuine hardwood veneers. Tested and ready to use. **Mahogany, limed oak or walnut.**
35 DU 766C. *Specify Finish.* **NET**.................................124.50

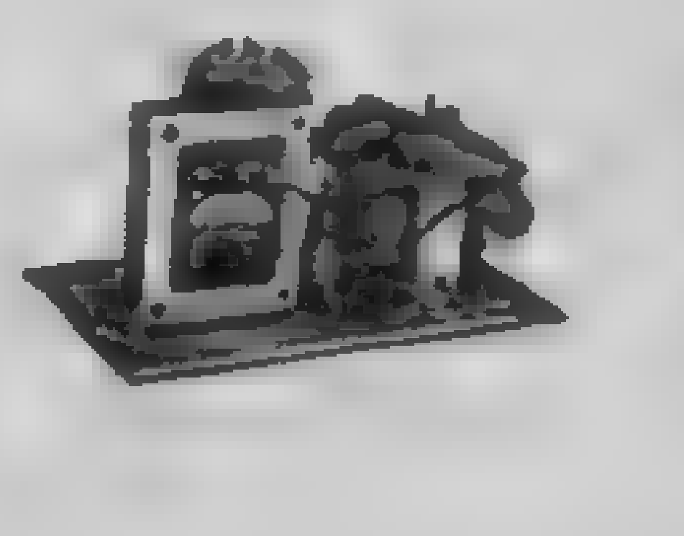
EMPLOYS ONLY THE FINEST COMPONENTS



Janszen Electrostatic Radiators—a Knight exclusive. Push-pull, dual high-frequency units of patented design. Offer full-range response and unmatched low harmonic distortion.



High-Compliance 12″ Woofer featuring weighted cone in solid, die-cast alloy frame. Heavy-duty, sintered ceramic magnet for extremely dense flux.



Premium Power Supply for tweeter bias voltage and filter network. Pre-wired; high-quality construction.

SPECIFICATIONS

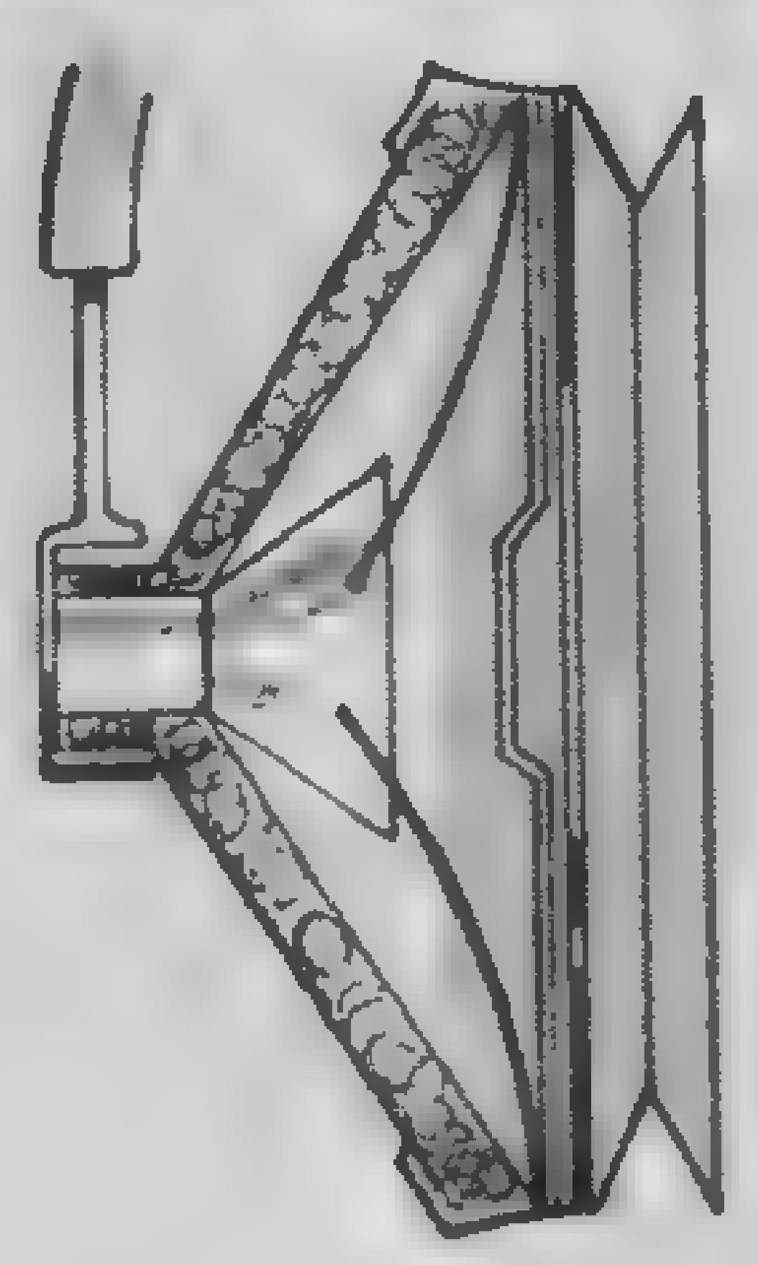
Frequency Response: 30 to 25,000 cps.
Harmonic Distortion: At full orchestral level, 0.16% (4000 cps); 3% (60 cps).
Capacity: 50 watts music waveform.
Impedance: 8 ohms.

Enjoy Superlative Stereo with a Pair of Knight High-Compliance Speaker Systems

Exciting New KNIGHT Products . . .

NEW Stereo Headset With Exclusive Features

1. Die-Cast Aluminum Frame Pieces; Attractive, Feather-Light
2. Dual Adjustment for Maximum Wearing Comfort Without Fatigue
3. Precision-Built Full-Range Electrodynamic Drivers
4. Unique Hyperbolic Baffle Design for Uniform Response
5. Exclusive "Flexiform" Seals Prevent Loss of Bass Response Without Annoying Pressure



KN 840

Professional High-Fidelity Stereo Headset

FOR NEW THRILLS IN STEREO LISTENING . . . FOR TAPE MONITORING USE

ONLY $\$22^{95}$
$2 down

Designed from the ground up by specialists skilled in every phase of high-fidelity, the new KN-840 Stereo Headset is your key to thrilling new adventures in stereo listening. A marvel of fine audio engineering, it offers undistorted, full-range response, plus light-as-a-feather, aluminum alloy construction. If you have not tried private stereo headphone listening, then do so at your earliest convenience. You'll discover a remarkable new experience in musical realism that you can enjoy in complete privacy—free of external noises and without disturbing others!

For monitoring use while tape recording live performances, there is no finer choice. Two-way adjustment permits the KN-840 to fit so perfectly and "ride" so lightly, you are totally unaware of it—never diverts you from paying complete attention to the recording. This feature, plus its beautifully balanced sound (no "boomy" bass or ear-drilling highs), make it a "must" item for accurate tape monitoring. Each earcup is actually a carefully designed hi-fi speaker featuring efficient, electro-dynamic driver and hyperbolic baffle, for truest sound. Acoustic mesh in driver cavity provides level, uniform bass response. Built to last, the attractively styled KN-840 successfully avoids the bulky, complex look of many ordinary headsets—it is trim and neat in appearance. *Response:* 20 to 16,000 cps. For low-impedance outputs: 16 to 600 ohms. With 3-ft. cord. Shpg. wt., 2 lbs.
35 DX 706. *Only $2 Down.* NET................ 22.95

KN-841 CONTROL UNIT. For chairside control with the KN-840 headset. *Controls:* Balance, Volume, Stereo-Mono. 1 lb.
90 R 874. NET.......5.95

KN-842 MATCHING STEREO TRANSFORMER. Matches high-impedance outputs to the KN-840 headset. Plug-in installation. 1 lb.
90 R 875. NET...... 5.95

KN 701

Lets You Regulate the Amount of Reverberation—from Zero to Louder than Source Music!

Sensational New Knight Stereo Controlled

- Provides Concert Hall Effect in Any Room
- Enriches Sound Without Affecting Fidelity
- Easy to Install—Full Instructions Included

ONLY $\$49^{95}$
$2 down

For stereo hi-fi systems with separate preamp and basic amplifiers, or stereo amplifiers with Tape Monitor switch. Adds an exciting new dimension of sound to recorded or broadcast music. More than an "echo," the KN-701 is an electro-acoustic reverberator that almost exactly simulates sound reflecting panels used in recording studios. Converts acoustically "dead" rooms and old, lifeless recordings, into spacious, exciting musical experiences, without affecting fidelity! Includes: Hammond Type 4 Reverberator Unit, 3-tube amplifier-mixer circuit with self-contained power supply and reverberator control, hardware and instructions.
35 DU 705. *Only $2 Down.* Net.................... 49.95

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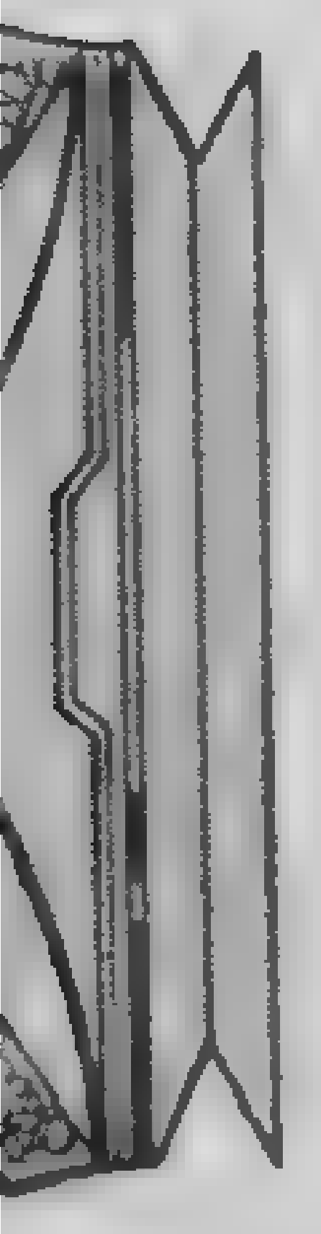

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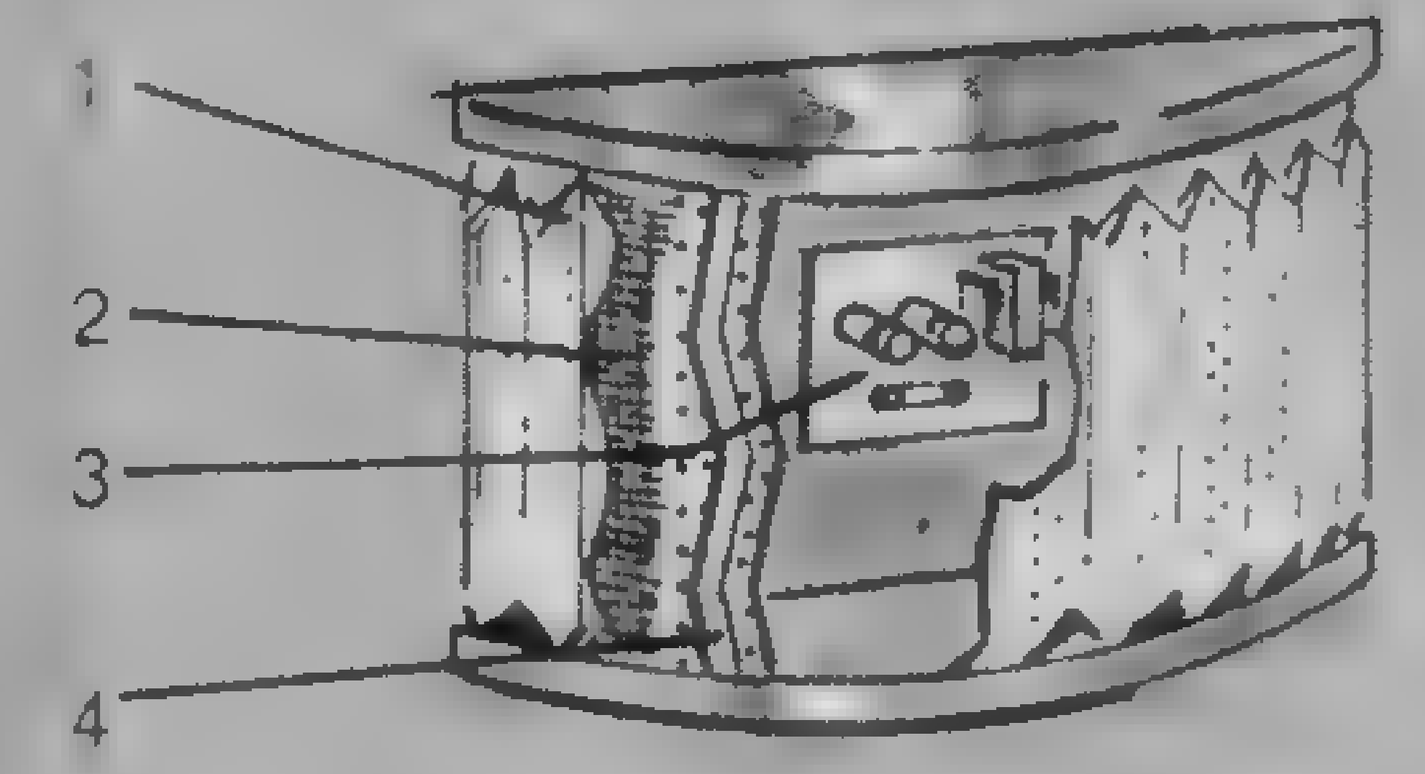
Designed to Greatly Increase Your Hi-Fi Enjoyment

BEAUTIFULLY STYLED,
LOW-COST
HIGH-FREQUENCY SPEAKER



1. "Contemporary Classic" Design—Adds Elegant Styling Touch to Any Room
2. Ingenious Curved Element Provides Full 90° Sound Dispersion—No Blank Spots
3. Built-In Crossover Network, Balance Control and Power Supply
4. Efficient, Push-Pull Low-Distortion Design for Clean Highs from 1000 cps

A FULLY TESTED
AMERICAN PRODUCT

KN
825

Add-On Electrostatic Tweeter for Brilliant Highs

COMPLETE WITH BUILT-IN CROSSOVER, BALANCE CONTROL AND POWER SUPPLY

ONLY
$26.95
$2 down

Bright new star in the audio world and rapidly gaining widespread acceptance, the KN-825 "Add-On" Electrostatic Tweeter offers superior reproduction of treble frequencies. Precision-made and fully tested, it provides high-frequency sound of gem-like clarity, brilliance and realism. Unusually efficient, it can be used to improve the performance of *any* woofer. An ingenious level balancing control allows you to reduce woofer level by turning in one direction, and by turning the control the other way, you can attenuate the tweeter. You get sound that is perfectly balanced to match your own personal listening tastes—and there's absolutely nothing else to add or buy!

Push-pull, low-distortion design provides pure, silky high-frequency response from 1000 cps to the limits of audibility. Employs curved sound-radiating element for full 90° dispersion, without blank spots.

Built to extremely close tolerances under carefully controlled factory conditions, the KN-825 employs a micro-thin, virtually weightless diaphragm of Saran film suspended between steel plates. Diaphragm is coated with a special conductive layer. Other internal components include built-in, special-design crossover network and power supply. Every KN-825 is carefully tested to assure uniformity of performance. Ideal for use in pairs in stereo music installations.

A perfect blend of design and styling, the KN-825 fits in anywhere, with any furniture mode. Compact in size and highly attractive, it can be placed atop your speaker cabinet, on shelves or mantel-place—practically anywhere. Contoured, perforated plastic grille is decorator-styled in ivory; wood top and bottom in oiled walnut. HWD, 8x10x3". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 5 lbs.

35 DX 763. *Only $2 Down.* NET **26.95**

Reverberation Unit

Using the KN-701

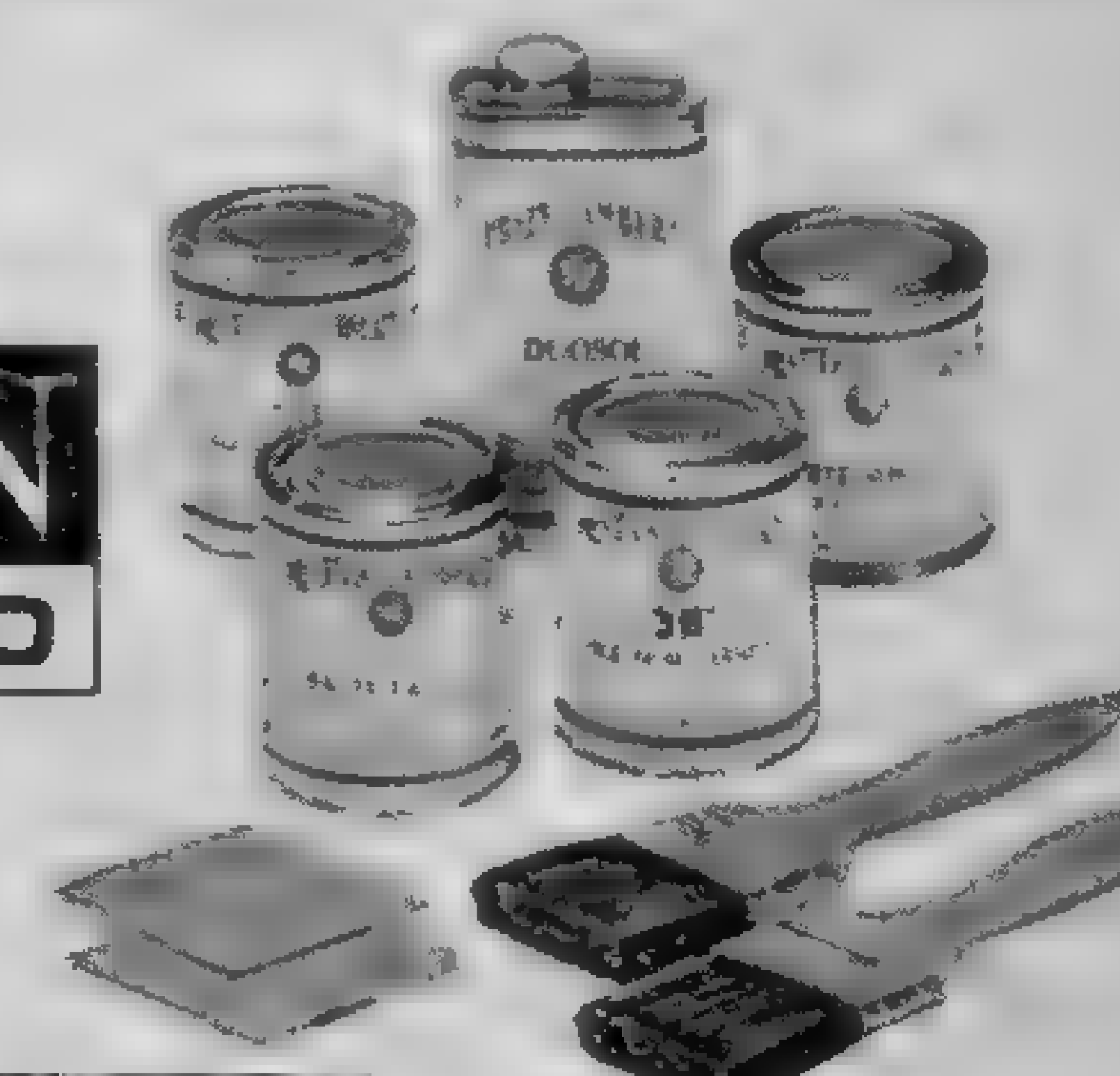
Any high-level signal source (tuner, ceramic cartridge, preamplifier, tape deck), may be fed to the KN-701—stereo or monophonic. The KN-701 adds "live" reverberation without affecting the signal in any other way; a control adjusts reverberation intensity or shuts it off completely. The KN-701 may be connected to amplifiers provided with a Tape Monitor switch (Knight KN-775, Scott 299, Knight-Kit 70-Watt Kit, and others)—or the KN-701 output can be fed to the Auxiliary input of your stereo or monophonic amplifier, or directly into a tape recorder. Full operating instructions are included.

Furniture Finishing Kits

EACH,
ONLY
$4.95

Complete furniture finishing kits—contain all the materials necessary to obtain a professional, cabinet finish. Typical kit (mahogany) includes: ½ pint of filler, ½ pint of shellac, two ½ pints of varnish, ½ pint of "Duosol", two—2" brushes, No. 180 finishing paper, No. 240 finishing paper, steel wool, pumice, excelsior for applying filler, and complete instructions for obtaining a mirror-smooth finish. Kit for Korina blonde finish includes bleach; some variation in materials for ebony and other finishes. Av. wt., 6 lbs.

KN
1850



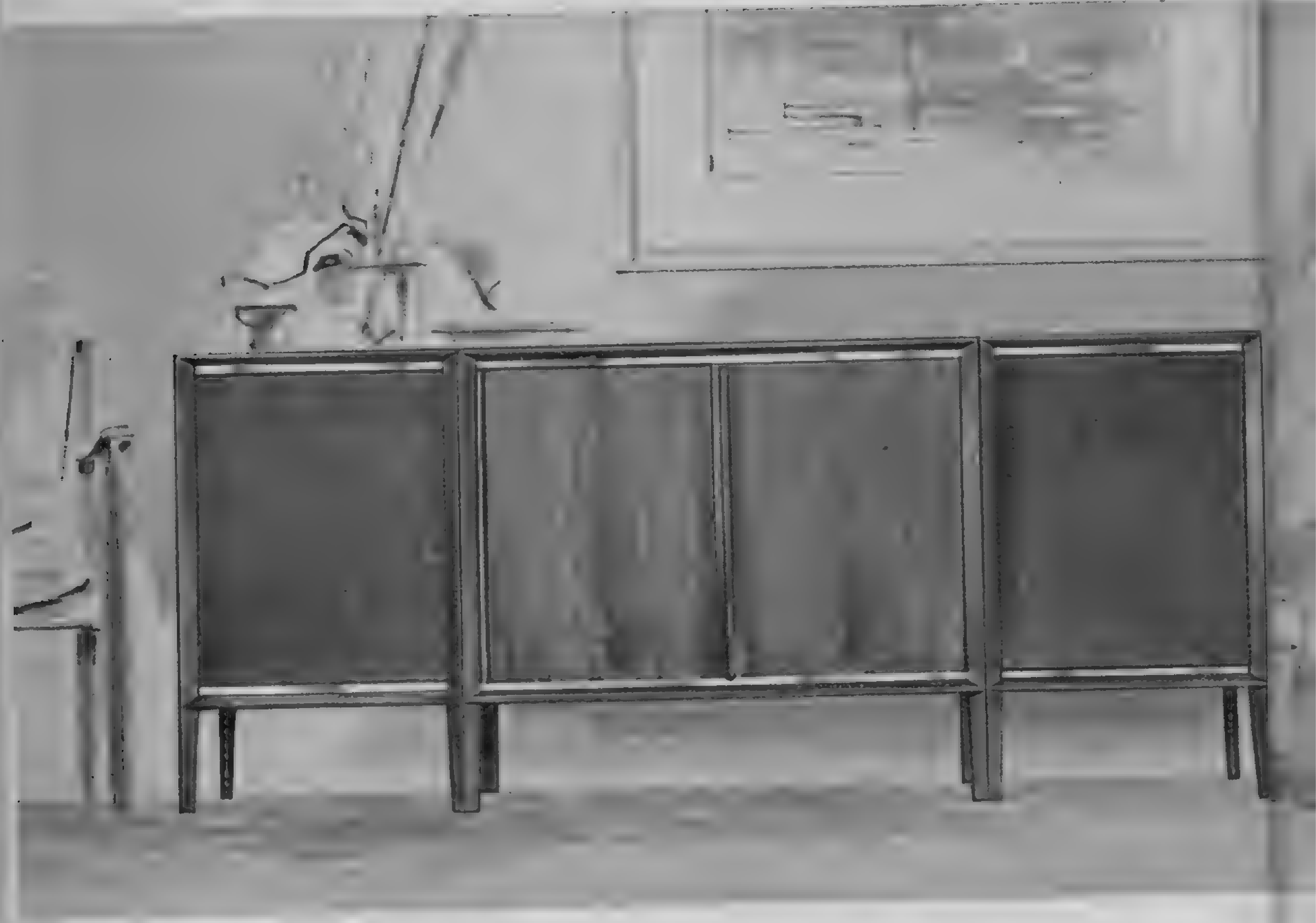
COMPLETE—
EASY TO USE

90 R 870. Mahogany.
90 R 871. Natural Korina (blonde).
90 R 873. Fruitwood.
90 R 869. Walnut.
90 R 872. Ebony.
NET EACH. 4.95

KNIGHT

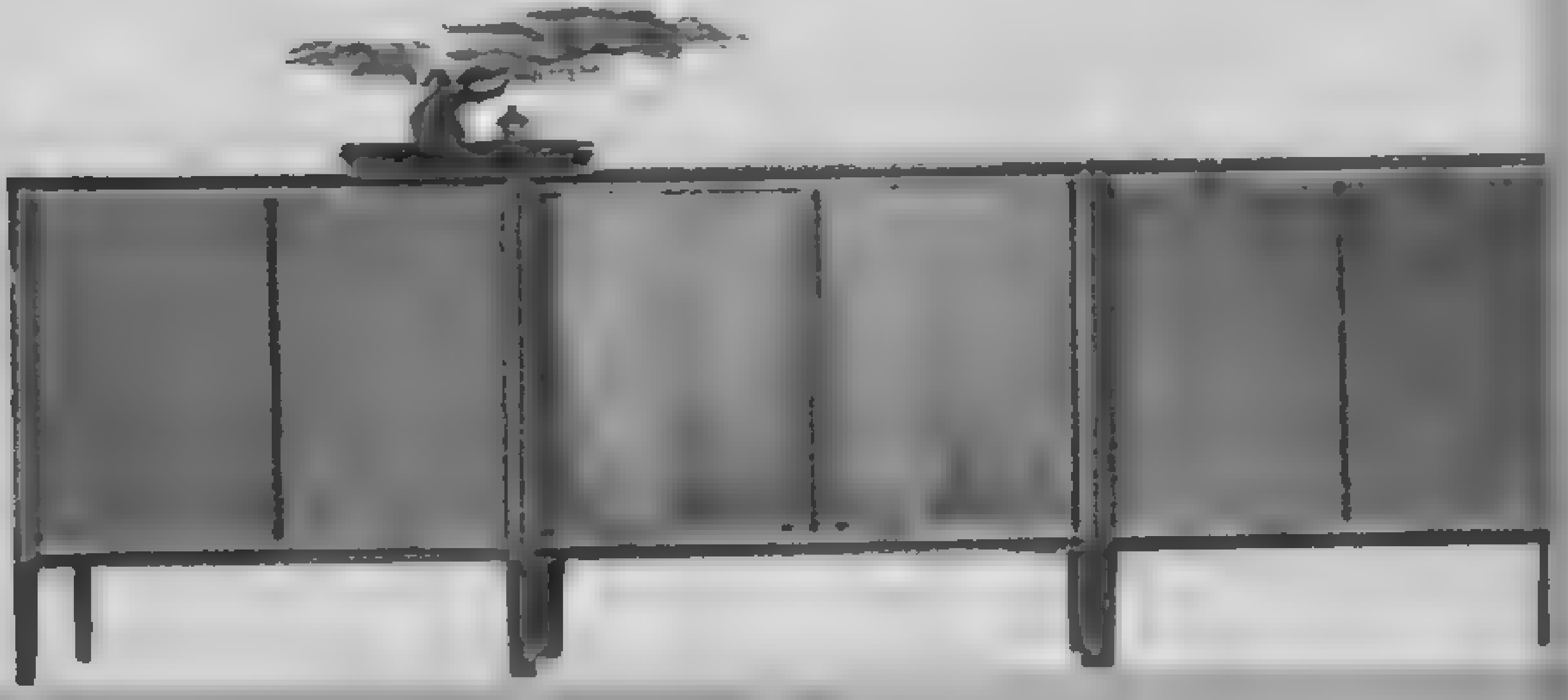
New Custom-Crafted Hi-Fi

EASY TO ASSEMBLE . . . LUXURY VENEERS

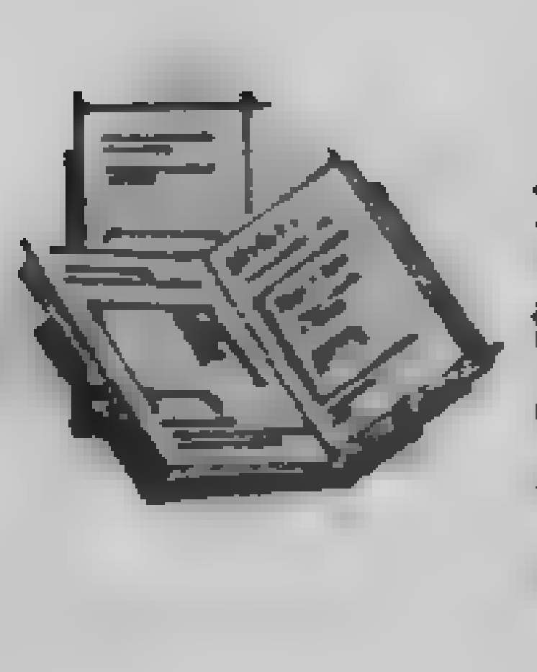


Neatly accommodates your music system components and records

A graceful and dignified "family" of fine cabinets . . . use either pair of speaker enclosures (KN-1266's above, KN-1216's at right), for a perfectly matched furniture grou

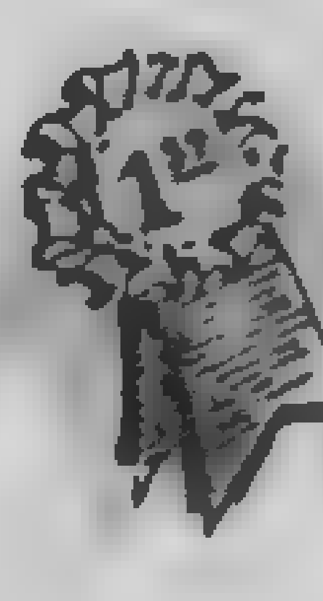


BEAUTIFUL, LOW-COST FURNITURE IN KIT FORM . . ENHANCES ANY ROOM OR SETTING . . COMPLEMENTS YOUR COMPONENTS



MARVELOUSLY EASY ASSEMBLY

A screwdriver and one evening's time is all you need to assemble these fine furniture cabinets. Outer surfaces are expertly pre-finished; holes are pre-drilled; all parts are precision cut and carefully pre-fitted.



UNSURPASSED FOR "EXTRA" FEATURES

Among the extra touches that di tinguish this cabinetry, you'll find terminal strips installed with soldere inside leads attached; pre-drille level control mounting holes; acou tic insulation installed; etc.

Hi-F

VENEERS

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-1266's above
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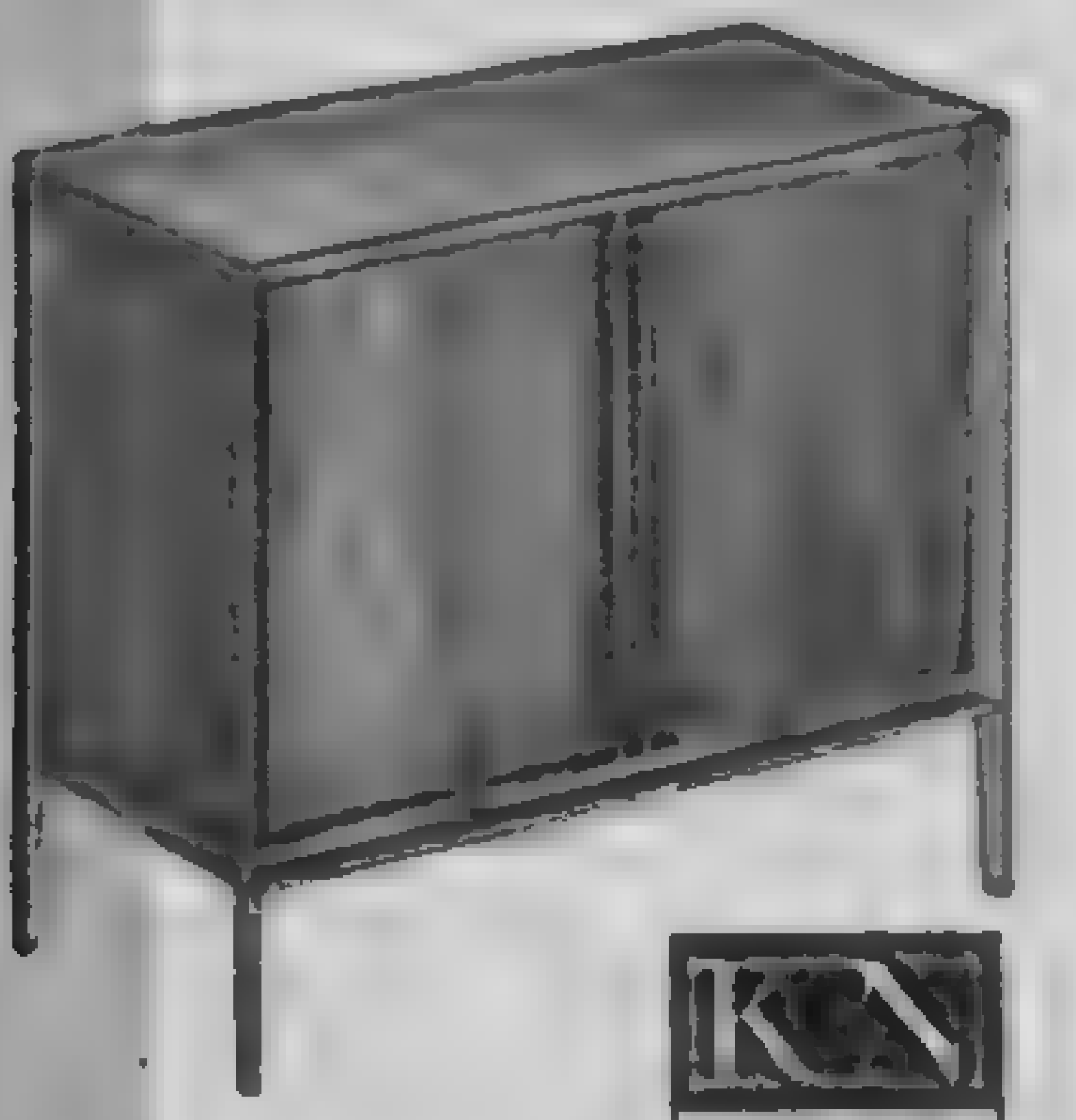
Furniture in Pre-Finished Kit Form

MOST BEAUTIFUL CABINETRY YOU CAN BUILD, AT LOW COST

ALSO AVAILABLE FULLY ASSEMBLED



Model KN-1401K Equipment Cabinet Kit

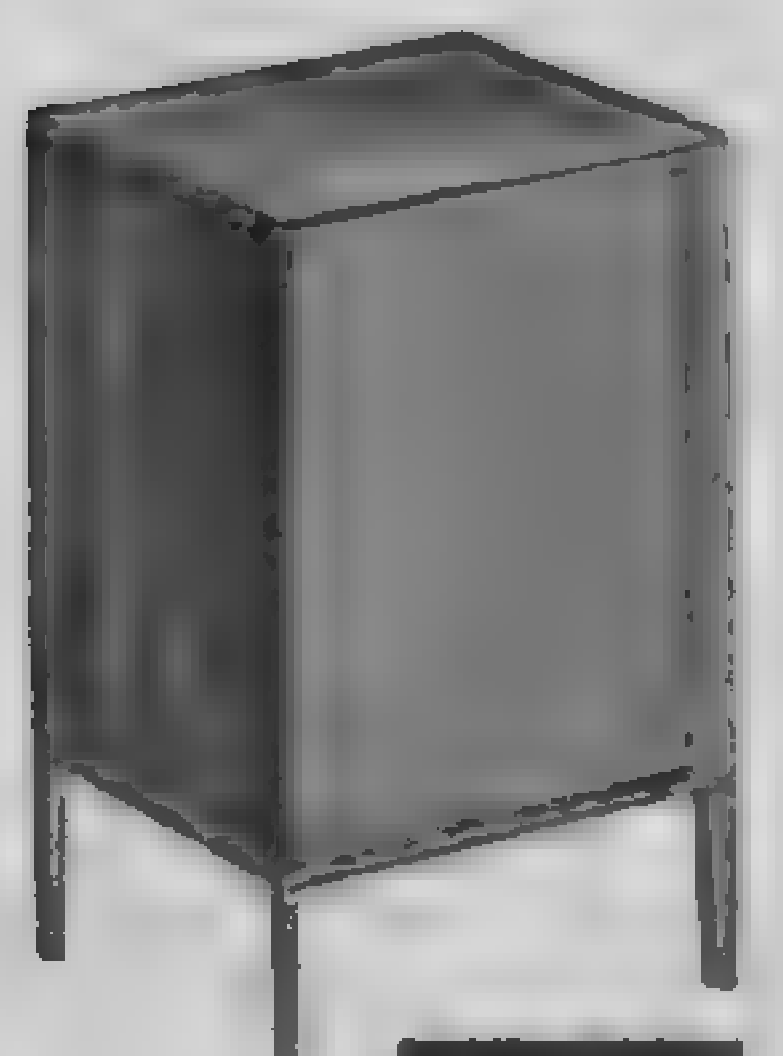
ONLY $59.95
$5 DOWN

Created by master craftsmen, the KN-1401K easily fills the two most important requirements of fine hi-fi furniture—it is tastefully styled, and it is truly functional. Accommodates all components of a music system except the speakers; forms an unusually distinctive and beautiful ensemble when used with either of the matching speaker enclosures described below. Custom features: handsome wood veneers, hand-rubbed to a lustrous finish; rigid, tongue-and-groove construction; precision fitted doors with magnetic latches; rear panel ventilation; etc. Compartments: top, 8¾x16¼x16¼" and 8¾x18x16¼"; left, 12¾x16¼x16¼"; right, 12¾x18x16¼". Overall, 31½x36x19". Assembles in one evening. **In mahogany, limed oak or oiled walnut.** Wt., 65 lbs.

35 DZ 744C. *Specify finish.* **NET** 59.95

KN-1401 CABINET. As above, factory assembled.

35 DZ 743C. *Specify finish.* **NET** 69.95



Model KN-1266K Speaker Enclosure Kit

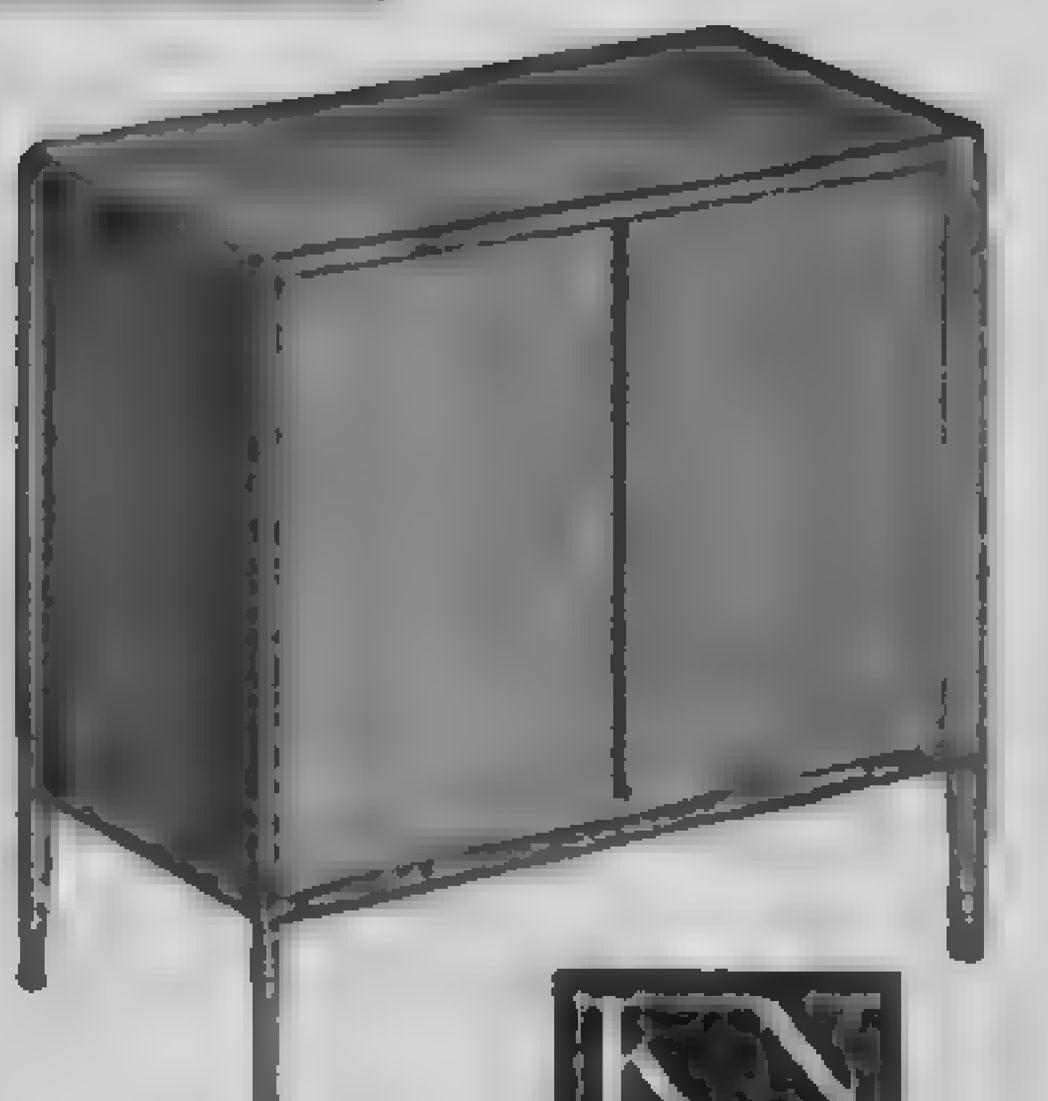
ONLY $39.95
$2 DOWN

Slender and graceful in appearance, this attractive enclosure is sure to please the most discerning taste. It accommodates any 12" or 15" speaker, including coaxial and triaxial types, and has room for adding 2-way system components on its removable adapter board. Styled to match the KN-1401K, it features hand-rubbed luxury veneers; smart, high-fashion grille cloth; and pre-assembled, mitered front molding. Assembly is remarkably easy—only a screwdriver is required. Overall, 31½x19½x19". **In mahogany, limed oak or oiled walnut.** Shpg. wt., 47 lbs.

35 DU 740C. *Specify finish.* **NET** 39.95

KN-1266 ENCLOSURE. As above, factory assembled.

35 DZ 739C. *Specify finish.* **NET** 49.95



Model KN-1216K Speaker Enclosure Kit

ONLY $54.50
$5 DOWN

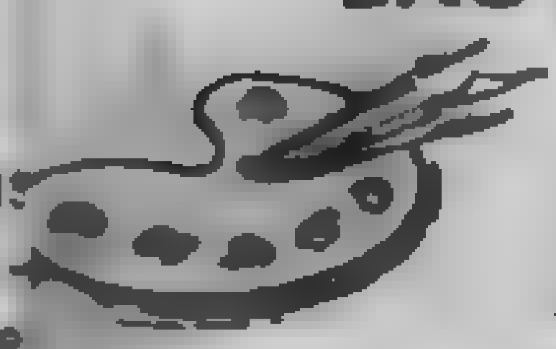
Simply but elegantly styled, the KN-1216K speaker enclosure kit completes the "family" portrait of acoustically planned hi-fi cabinets described on this page. Like the KN-1266K, it matches the KN-1401K equipment cabinet, and can be used with it to comprise a music system ensemble of unexcelled beauty and quality. The KN-1216K accommodates any 12 or 15" speaker, features ducted-port design for outstanding performance in the lower bass ranges. An adapter board is included for mounting of tweeter components if desired. Easily assembled, it features all of the fine furniture touches that characterize Knight cabinetry. Overall, 31½x32x19". **In mahogany, limed oak or oiled walnut.** Shpg. wt., 66 lbs.

35 DZ 742C. *Specify finish.* **NET** 54.50

KN-1216 ENCLOSURE. As above, factory assembled.

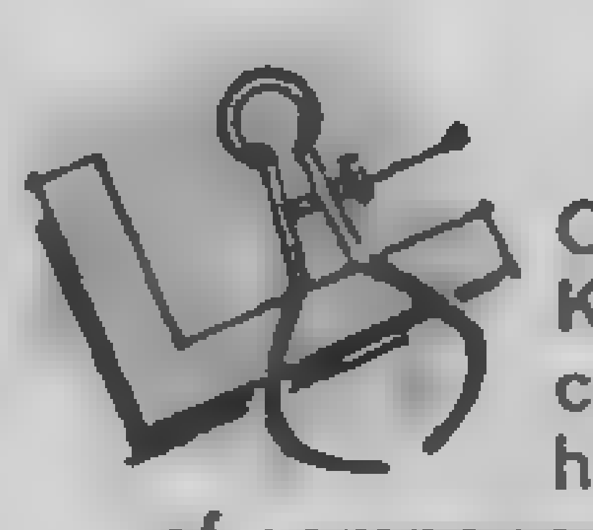
35 DZ 741C. *Specify finish.* **NET** 64.50

LASTING BEAUTY AND CRAFTSMANSHIP



Knight furniture gives you styling that is enduring in beauty; matched, natural wood veneers, hand-rubbed by craftsmen; construction meticulously planned to finest detail.

MADE-TO-FIT DESIGN



Compartments of the KN-1401K cabinet are carefully designed to house virtually any group of components. However, to be sure of a "custom fit", please check dimensions before ordering.

BUY ON EASY TERMS

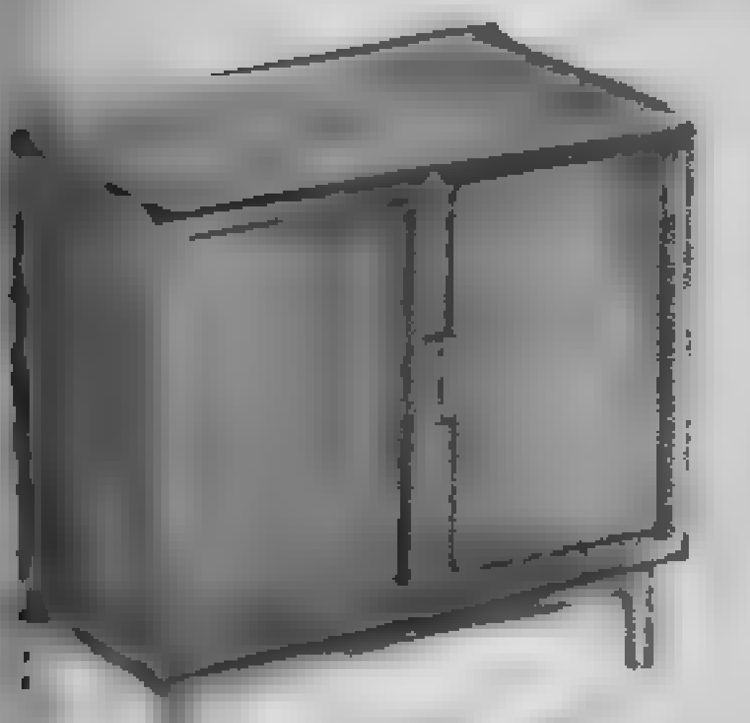
For your convenience, all of the Knight hi-fi furniture described in this Catalog, is available on our Easy Pay Plan. You need only $2 down on furniture priced from $20 to $50—only $5 down on furniture priced from $50 to $200.

KNIGHT Exclusively at ALLIED . . .

Danish Modern and New Authentic Period Cabinetry

MAGNIFICENT CUSTOM FURNITURE . . . OUTSTANDING CABINET CRAFTSMANSHIP

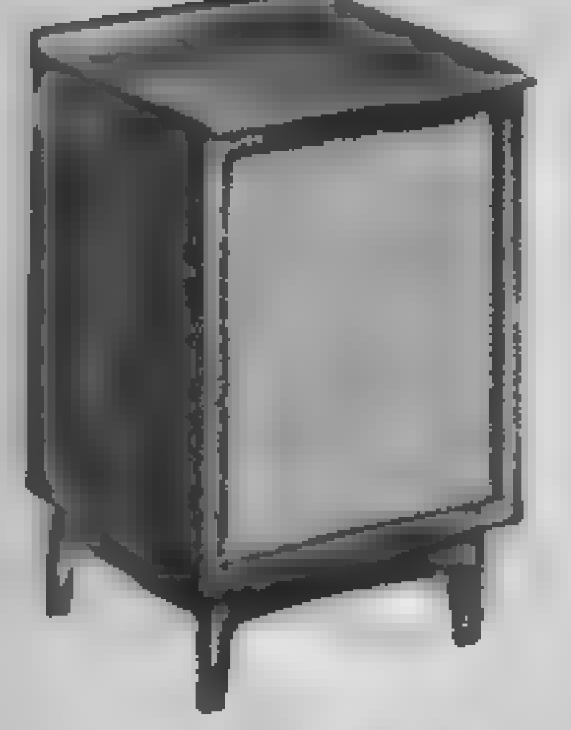
DANISH MODERN GROUP



KN 1500

ONLY $94.50 $5 down **MODEL KN-1500 EQUIPMENT CABINET—Assembled or Kit Form.** The warm beauty of Danish Modern cabinetry has made this furniture style one of the most popular in America today. The KN-1500 exemplifies this mode at its best. Suits any contemporary decorative scheme. Overall size, 33x36x20¼". **In mahogany, limed oak or walnut veneers—specify.** Shpg. wt., 80 lbs.

35 DZ 715C. KN-1500 Factory Assembled. NET. . . . 94.50
35 DZ 716C. KN-1500 in Kit Form. NET. 84.50

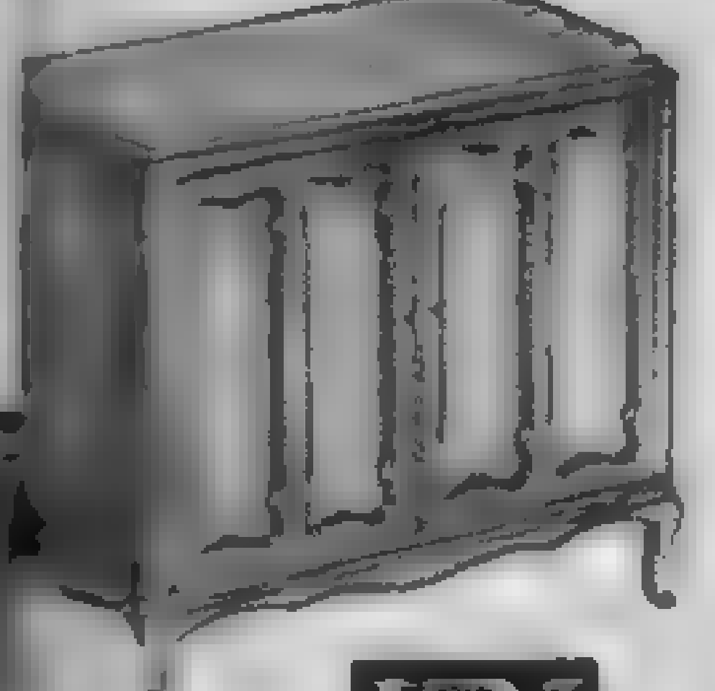


KN 1275

ONLY $69.95 $5 down **MODEL KN-1275 SPEAKER ENCLOSURE—Assembled or Kit Form.** Styled to mate perfectly with the KN-1500 above, this acoustically correct enclosure accommodates any 12" speaker or 15" woofer. Adapter board may be left in place for infinite baffle operation, or adjusted for tuned, bass-reflex use. Size, 33x21x20¼". **In mahogany, limed oak or walnut veneers—specify choice.** Shpg. wt., 70 lbs.

35 DZ 721C. KN-1275 Factory-Assembled. NET. . . . 69.95
35 DZ 722C. KN-1275 in Kit Form. NET. 59.95

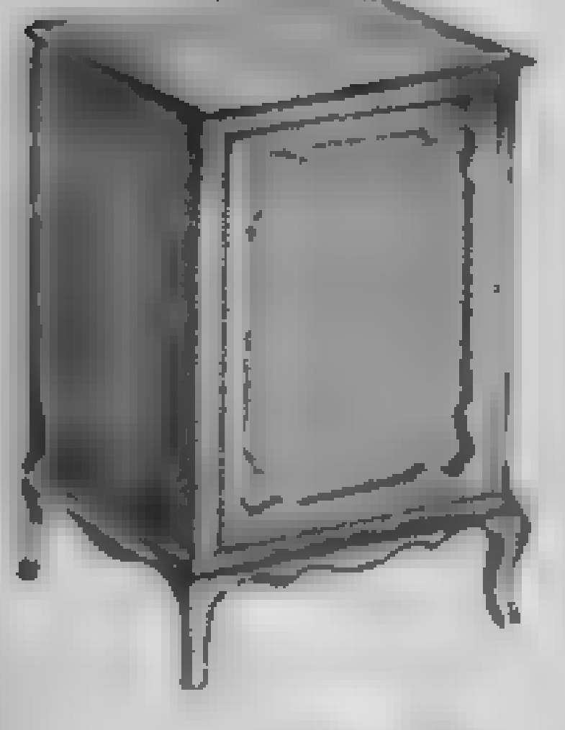
FRENCH PROVINCIAL GROUP



KN 1501

ONLY $129.95 $5 down **MODEL KN-1501 EQUIPMENT CABINET—Available Assembled Only.** The new "light-line" look in a graceful interpretation of delicate beauty. Combines the traditional charm and elegance of French Provincial styling, with the fine detailing and sturdy construction of true, craftsman-created cabinetry. Classic hi-fi furniture, styled for the stereo sixties! Overall size, 37½x32⅜x20". Factory-assembled; **in Fruitwood only.** Shpg. wt., 82 lbs.

35 DZ 717. *Only $5 Down.* NET. 129.95

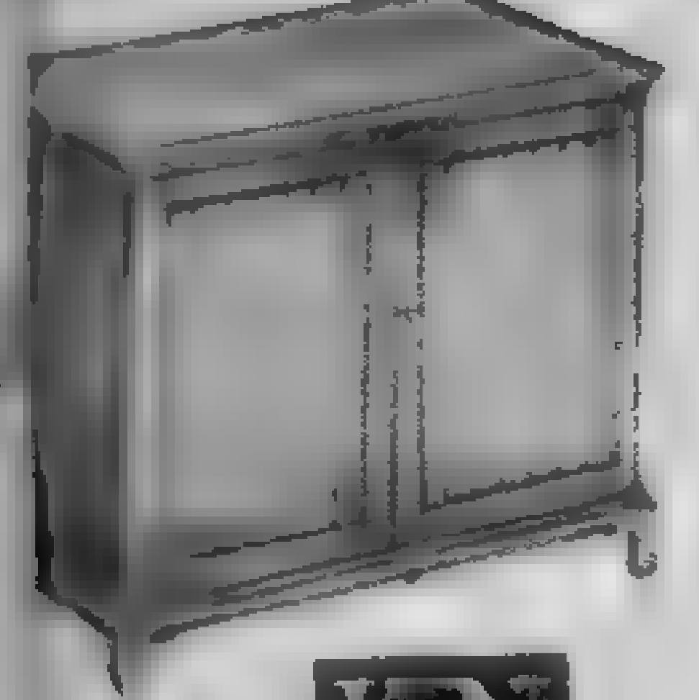


KN 1276

ONLY $79.95 $5 down **MODEL KN-1276 SPEAKER ENCLOSURE—Available Assembled Only.** Use two of these magnificent enclosures with the KN-1501 above, for a stereo music ensemble of breathtaking beauty. Enclosure styling features use of a luxurious, matching grille cloth. Adequate space for 2 and 3-way system components too. Overall size, 22½x32⅜x20". Factory-assembled; **in Fruitwood only.** Wt., 57 lbs.

35 DZ 723. *Only $5 Down.* NET. 79.95

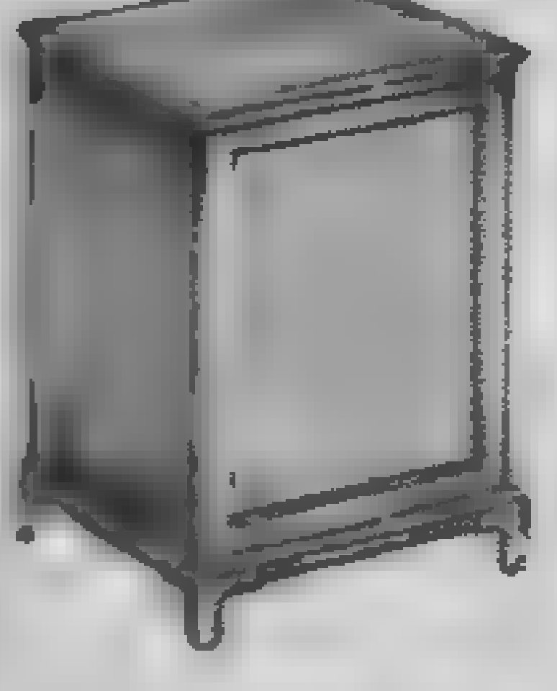
AMERICAN COLONIAL GROUP



KN 1502

ONLY $129.95 $5 down **MODEL KN-1502 EQUIPMENT CABINET—Available Assembled Only.** Styled in a trend-setting, popular furnishing mode, this component cabinet has an air of familiar warmth that lends a necessary touch to any interior. Clean of line and form, it is a handsome and skillfully fashioned music ~~system centerpiece. Overall size, 37½x29¾x20"~~. Factory-assembled; **in Maple only.** Shpg. wt., 78 lbs.

35 DZ 719. *Only $5 Down.* NET. 129.95

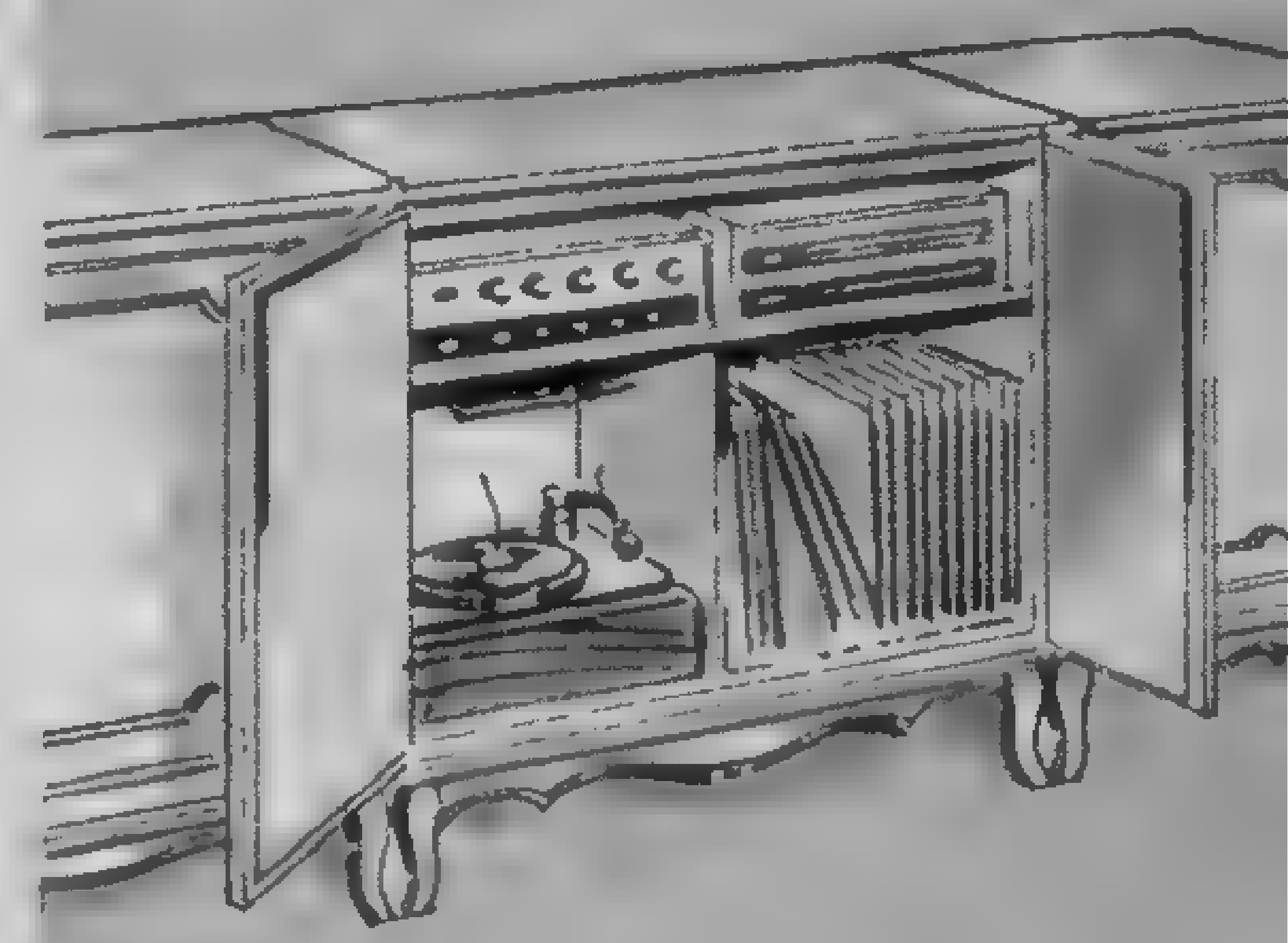


KN 1277

ONLY $79.95 $5 down **MODEL KN-1277 SPEAKER ENCLOSURE—Available Assembled Only.** Features the same brilliant styling and native American hardwood veneer, as the KN-1502 above. Employs a sparkling, "olden days" grille cloth pattern that not only accents the Colonial design, but is also unusually smart-looking—the KN-1277 is a "conversation-piece" of the first rank! Overall size, 22½x29¾x20". Factory-assembled; **in Maple only.** Shpg. wt., 55 lbs.

35 DZ 725. *Only $5 Down.* NET. 79.95

YOU'LL TAKE PRIDE IN THIS FINE FURNITURE



"Portraits" in furniture! Each grouping is an enduring expression of beauty . . . dignity . . . good taste. Authentic period styling not only provides a highly attractive setting for your high-fidelity components, but also enhances the appearance of any room. Transforms your music installation into a distinctive heirloom.

ABOUT SIZES . . .

Equipment Cabinets. Each of the three equipment cabinets shown on this page features the same internal dimensions. Top compartment: 8" high, 34½" wide, 16⅛" deep. Lower left compartment: 16" high, 15¼" wide, 16⅛" deep. Lower right compartment: 16" high, 15¼" wide, 16⅛" deep. There is some variation in overall size; see descriptions at left.

Speaker Enclosures. In the Danish Modern grouping, the KN-1275 speaker enclosure accepts either a 12" speaker or 15" woofer. Both of the ~~other~~ speaker enclosures accommodate either a 12" or 15" speaker. All have room for adding 2 and 3-way system components.

PURCHASE FURNITURE ON EASIEST TERMS

~~There's no need~~ for a large cash outlay to own the high-fidelity cabinetry you want now—you can take advantage of Allied's Easy Pay plan. Any complete furniture ensemble on this page can be yours for only $10 down, and you can choose either regular or extended terms. See back of Catalog for complete information on this convenient, easy-on-the-budget purchase plan.

NEW! KNIGHT ROOM-DIVIDER / WALL-TYPE DECORATOR UNI

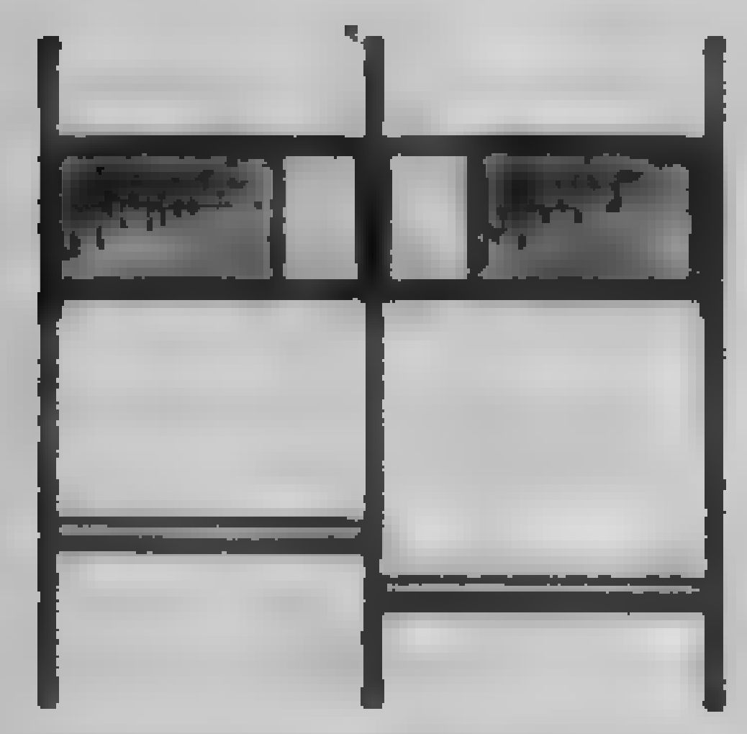
an exclusive Allied creation . . .
versatile . . . elegant . . . low in cost

- A Forward-Looking, Excitingly New Concept in Decorative Elegance—Offers the Ultimat in High-Fidelity Furnishing Flexibility
- Smartly Styled, Luxurious Oiled Walnut Cabinetry with Strikingly Finished Satin-Brass Poles—Richly Accent Any Motif or Color Scheme
- Outstanding Versatility—Permits Full Freedor for Future Additions to Suit Any Taste
- Completely Free-Standing—No Wall or Ceilin Supports Needed; Easy to Re-arrange

YOU SAVE WHEN YOU BUY A COMPLETE ENSEMBLE

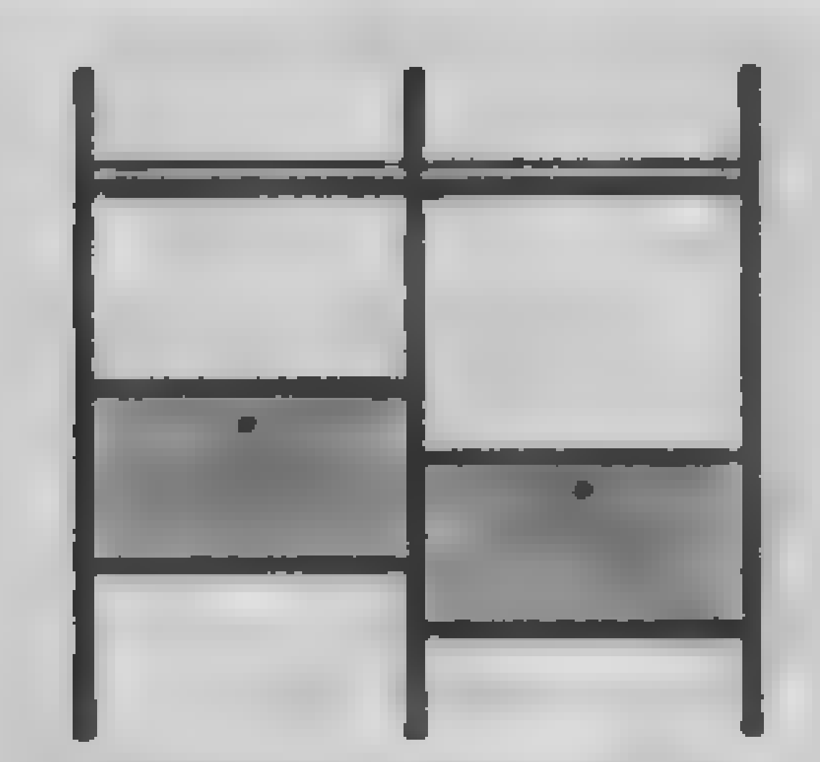
Pocket substantial savings over the total cost of individual units by ordering a complete divider assembly. Give you maximum flexibility and value.

AS LOW A
$124.50
$5 down



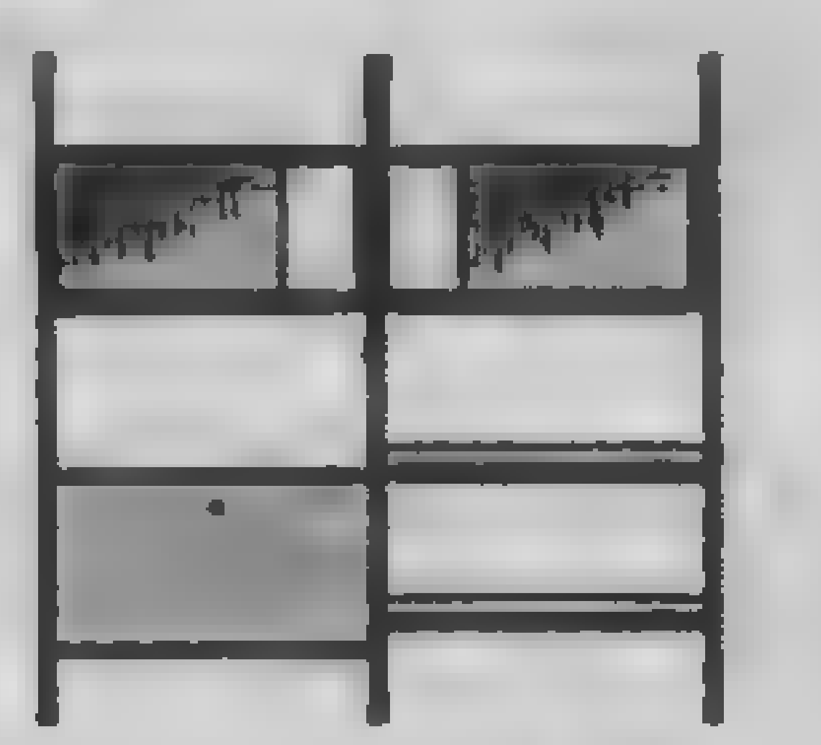
ENSEMBLE A

SAVE $12.20 Low-cost room-divider assembly consisting of: six supporting poles, two shelves and two speaker enclosures. Sets up quickly and easily. Poles have gleaming, satin-brass finish; enclosures and shelves in striking oiled walnut. Shpg. wt., 111 lbs.
20 DZ 124-6.....124.50



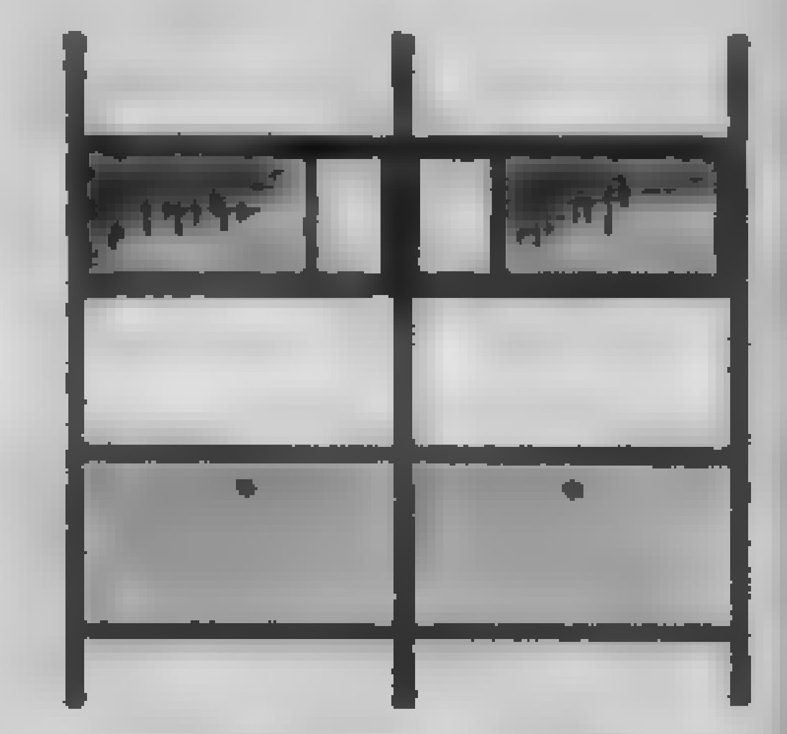
ENSEMBLE B

SAVE $14.75 Economy room-divider assembly consisting of: six supporting poles, one equipment cabinet, one record cabinet and two shelves. Attractive oiled walnut cabinetry and shelves beautifully accented by elegant satin-brass poles. Shpg. wt., 117 lbs.
20 DZ 125-6.....149.95



ENSEMBLE C

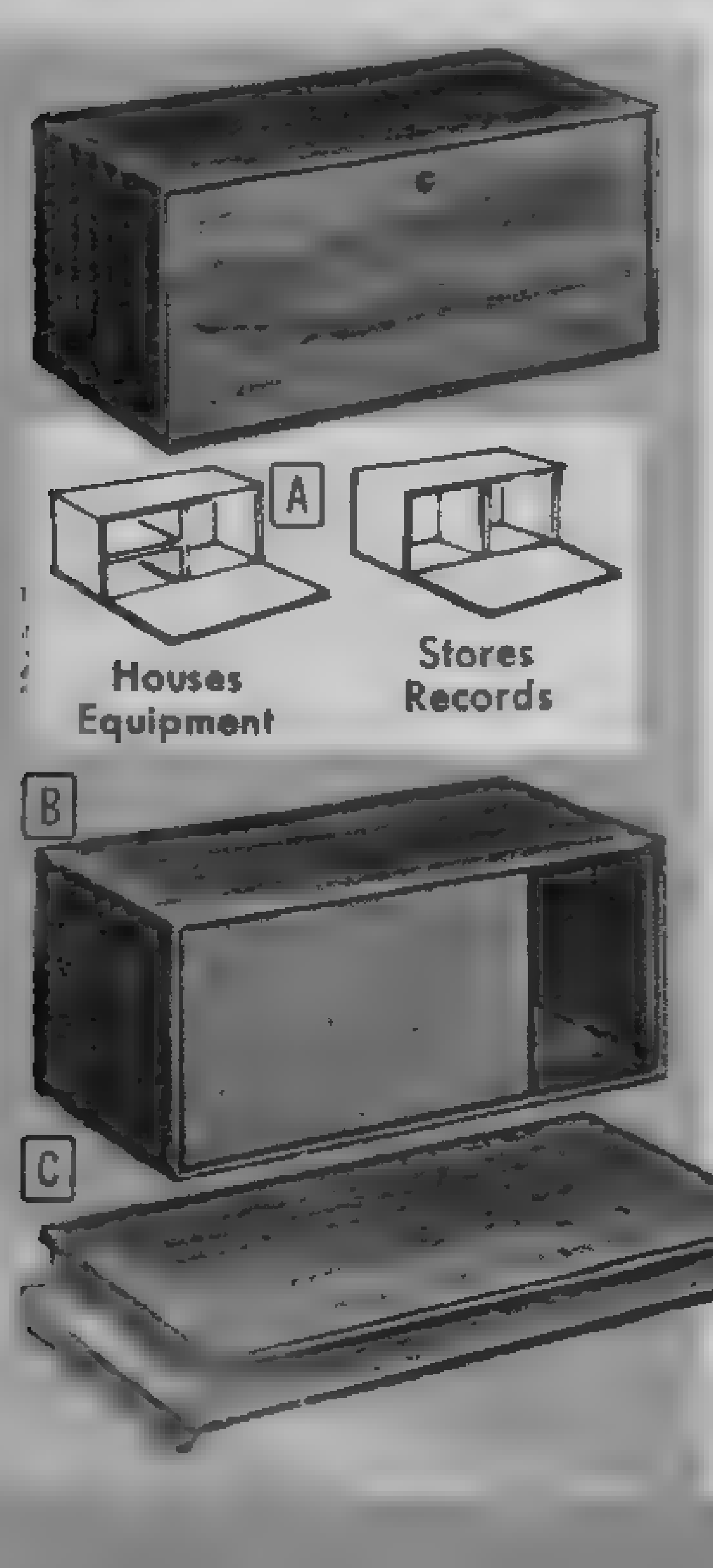
SAVE $17.15 Versatile room-divider assembly consisting of: six supporting poles, one equipment cabinet, two speaker enclosures and two shelves. Cabinetry and shelves in oiled walnut; poles have a satin-brass finish. Easily sets up in a jiffy. Shpg. wt., 157 lbs.
20 DZ 126-7.....169.50



ENSEMBLE D

SAVE $23.15 Deluxe roo divider assemb consisting six supporti poles, one equipme cabinet, one record ca inet and two speaker e closures. Luxurious oil walnut cabinetry; lu trous satin-brass poles complement any mot Shpg. wt., 193 lbs.
20 DZ 127-7.....193.5

PLAN YOUR OWN ROOM DIVIDER OR WALL INSTALLATION WITH THESE BASIC UNIT



[A] **EQUIPMENT/RECORD CABINET.** Ultra-smart, shelf-type cabinet that serves as either a decorator-styled equipment center or a convenient record storage unit. Accommodates a tuner, amplifier and changer. Its many features include: drop-front door with magnetic catch for easy access to equipment; removable shelf with sturdy, metal supports; luxurious oiled walnut finish on four sides—grille-cloth covered backboard, matched to companion speaker enclosure listed at right; and center partition. Left compartment, 13⅛x16⅞x16"; right, 13⅛x16⅞x16". Overall, 14⅝x36x17⅛". Wt., 46 lbs.
35 DX 701. *$2 Down.* NET........49.95

[C] **DIVIDER SHELVES.** Richly finished oiled walnut veneer shelves. Easily fasten to supporting poles listed on next page. 17⅛x36x¾". With hardware. Shpg. wt., per pkg. 10 lbs. Two per pkg.
35 DX 702. *$2 Down.* PER PKG.....19.95

[B] **SPEAKER ENCLOSURE.** Striking, she type speaker enclosure with amp space for storing 30 to 50 LP record Accepts any 12" speaker and tweeter; i cludes adapter board for installing speaker instead of 12" speaker. Elegant finished on four sides in oiled walnut v neers, this decorator-inspired unit featur ¾" hardwood—acoustically insulated for rich, vibration-free performance. Th record storage area, 13⅛x9¼x16", completely finished. Enclosure quick and easily attached to supporting pol (next page) with hardware supplied. Co plete with terminal strip. Size, 14⅝ 36x17⅛". Shpg. wt., 43 lbs.
35 DX 700. *$2 Down.* NET.........35.9

SHELF BACKGUARDS. (Not illus.) Attra tive walnut finish. Complete with har ware. 6x36x½". Shpg. wt., per pkg., lbs. Two per pkg.
35 DX 703. PER PKG..............7.5

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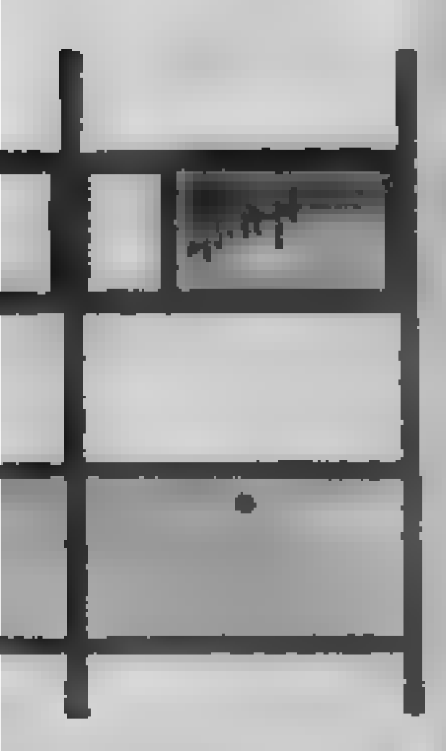

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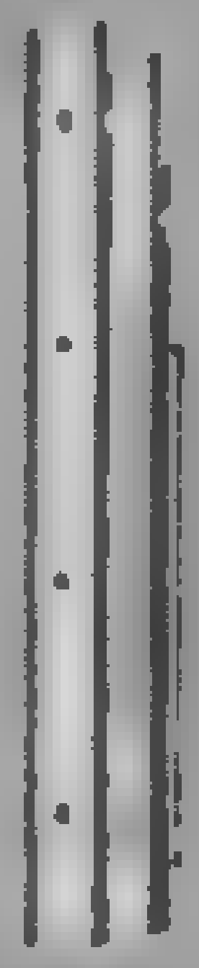
OR EVERY HI-FI CENTER

E YOUR OWN DECORATOR
S EASY! . . . IT'S FUN!

e can assemble these arkable units—quickly easily—to harmonize or create a new furnish- mode. Shelf-and-rod sign makes assembly a vel of simplicity. Gives an ultra-smart ensemble owest cost.

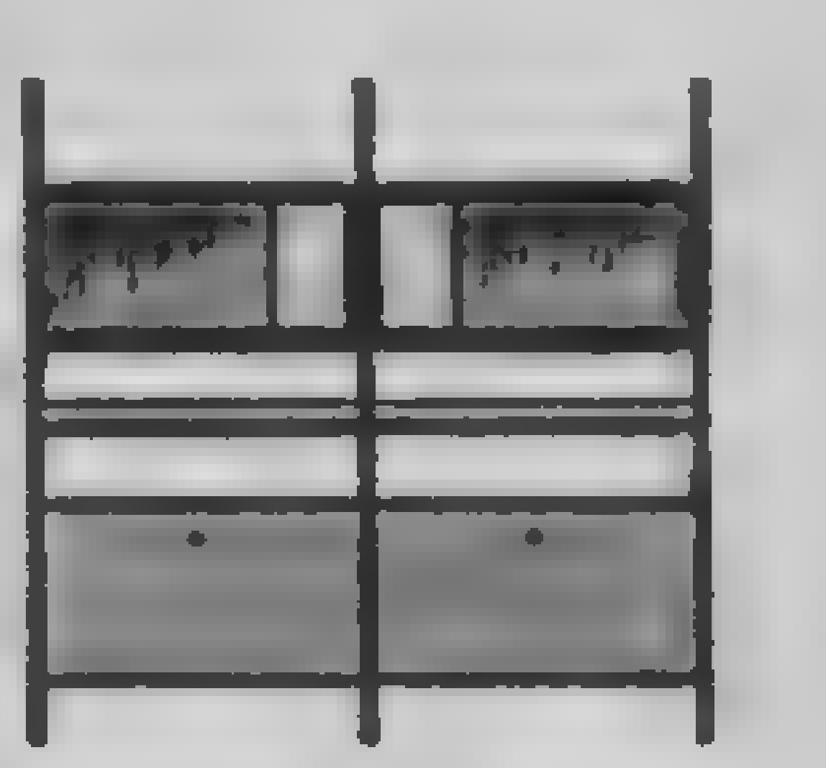


Holes Are Pre-Drilled
Every 6 Inches

All You
Need Is
a Screwdriver

ENDLESS COMBINATIONS

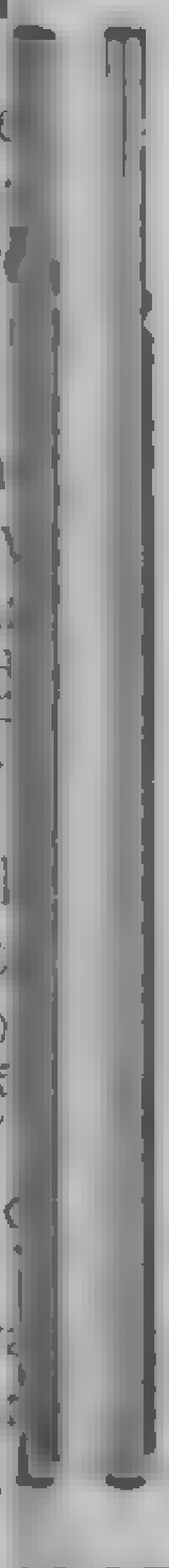
Choose any money-saving ensemble to accommodate your immediate needs. Then, as you expand your system, add separate cabinets and extra shelves. It's the height of furniture flexibility!



ENSEMBLE E

SAVE $30.10 Ultra-deluxe room-divider assembly consisting of: six supporting poles, one equipment cabinet, one record cabinet, two shelves and two speaker enclosures. Smart oiled walnut cabinetry and shelves; satin-brass poles. Wt., 203 lbs.

20 DZ 128-8....206.50



EASY TO SET UP!

SUPPORT POLES

Custom-quality supporting poles are rigidly constructed for stability. Pre-drilled holes, spaced 6" apart, permit adjusting shelves and placing components at any desired level. Square-shaped units are 84¼" long, 1x1"—easily placed in center of room or along-the-wall. Hollow interior is ideal for concealing cables of hi-fi components. Attractively finished in gleaming, satin brass. Shpg. wt., 5 lbs. **Two per pkg.**

5 DZ 704. PER PKG.....14.95

Smartly Styled Low-Cost Speaker Enclosure

COMPLETELY ASSEMBLED . . . ACCEPTS ANY 12" SPEAKER
AN OUTSTANDING VALUE IN A HI-FI SPEAKER ENCLOSURE

Knight KN-1285 Enclosure

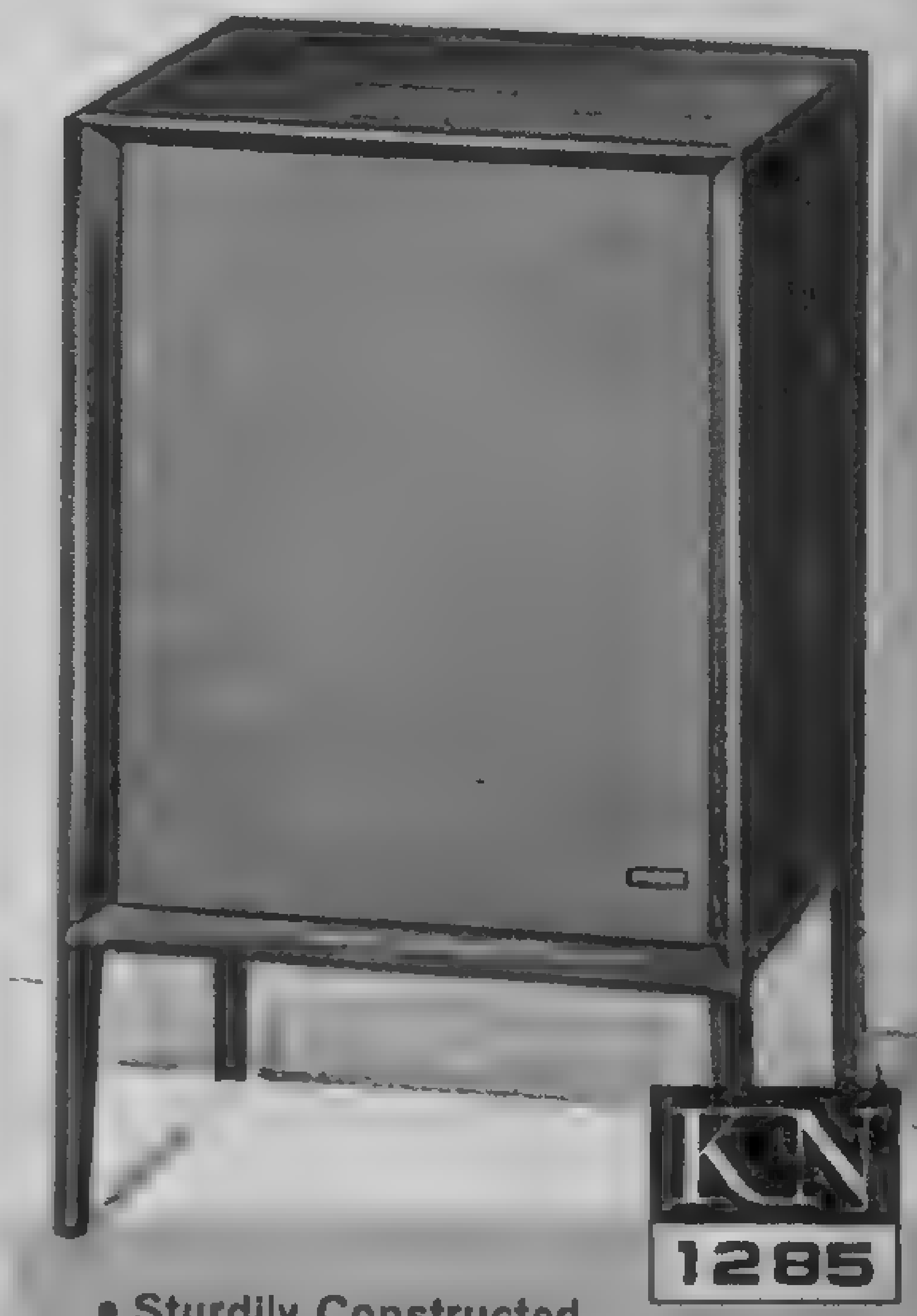
NET
$34.95
$2 down

Strikingly styled speaker enclosure featuring genuine fine furniture veneers—specially priced to fit any budget. Accommodates any 12" speaker; includes an adapter board for installation of an 8" speaker, if preferred, instead of a 12" speaker.

Rigidly constructed of solid ⅝" plywood, this distinctive unit is acoustically lined for clean, resonance-free performance. Its diminutive size makes it excellent for use in any room. Styling matches KN-1401 equipment cabinet listed elsewhere in this section.

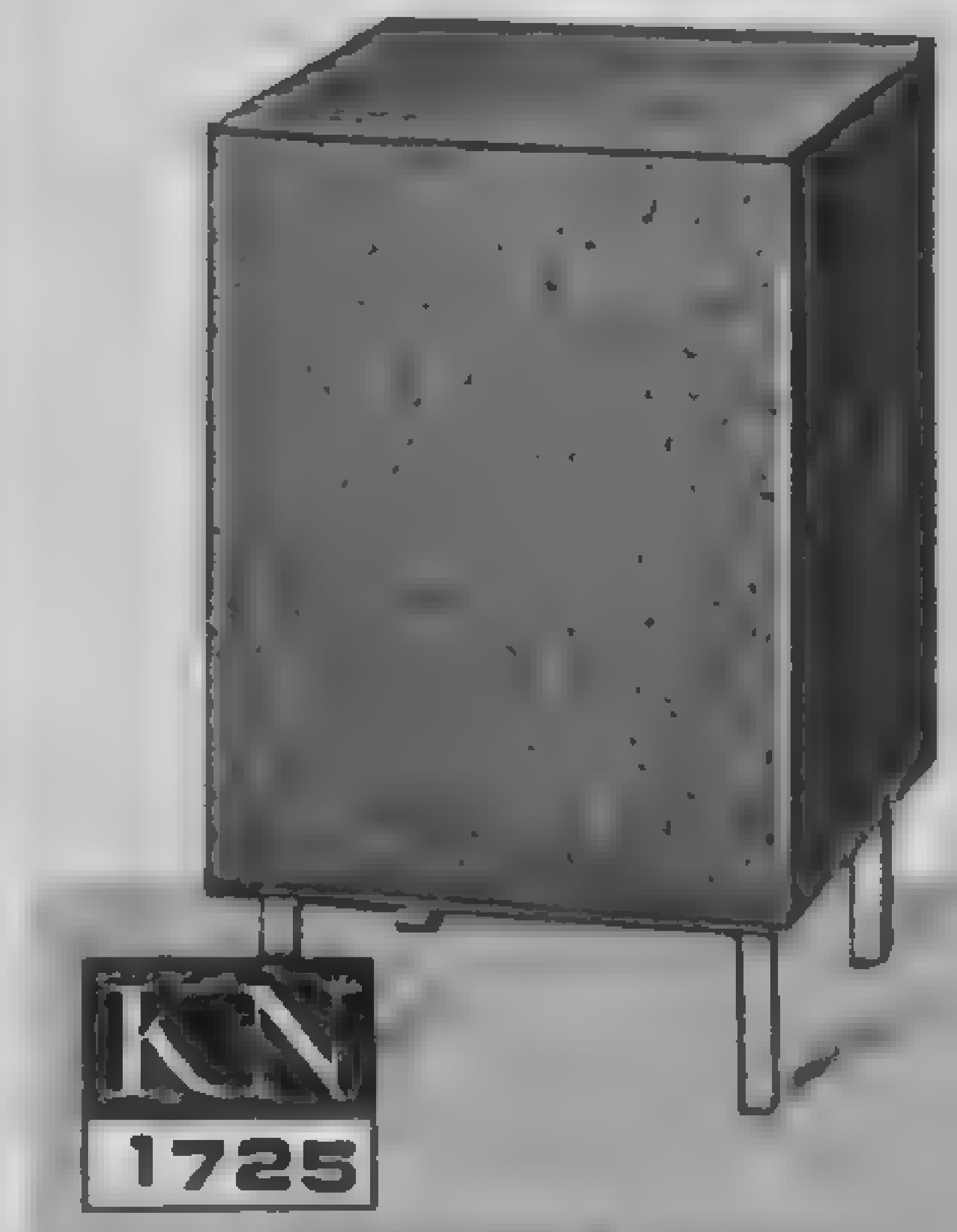
The trim, appealing lines of the KN-1285 are beautifully enhanced by leg and frame treatment that captures the "light" look sought today by decorators. Attractively finished in rich, hardwood veneers. Size (HWD), 30½x19⅜x13⅜". **In mahogany, limed oak or walnut.** Shpg. wt., 30 lbs.

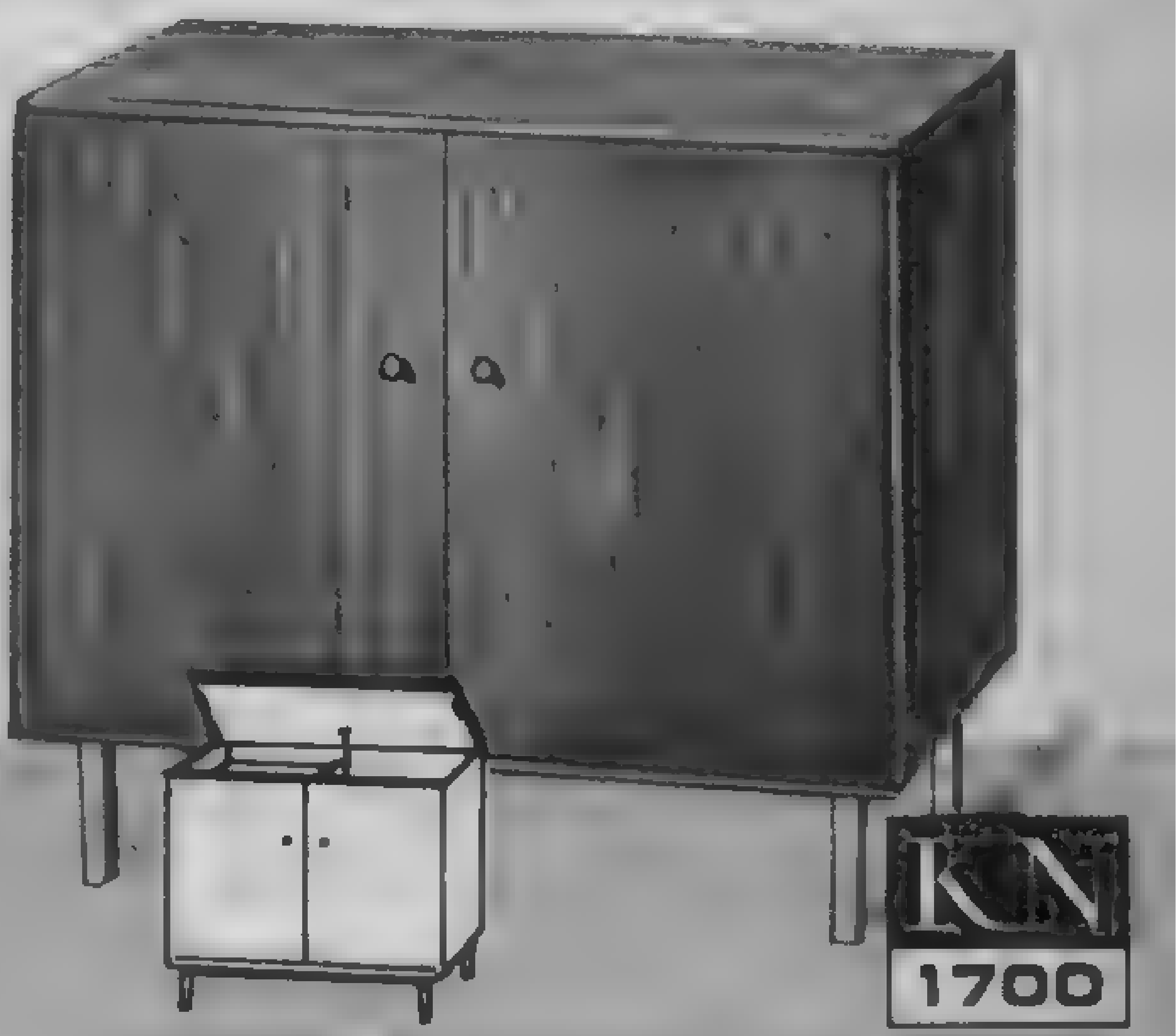
35 DZ 749C. *Specify Finish*..34.95



- Sturdily Constructed
- Hand-Rubbed Veneers
- For 12" or 8" Speaker & Tweeter
- Smooth, Natural Sound

Finished and Unfinished Cabinetry at Low Cost





KN-1725 Enclosure

NET
$34.95
Unfinished

Marvelous value in an unfinished, factory-assembled speaker enclosure. Accommodates any 12" speaker plus tweeter; convenient adapter board permits installation of 8" speaker instead of a 12" speaker. Acoustically insulated; smoothly sanded—ready to finish. Styling matches KN-1700 (right). 30½x19½x17¼". Shpg. wt., 36 lbs.

35 DZ 750. NET.......34.95

KN-1725. Finished. **Specify mahogany, limed oak or walnut.** Wt., 38 lbs.

35 DZ 751C. NET.......39.95

KN-1700 Equipment Cabinet

NET
$59.95
Unfinished

Here's a beautifully styled, smoothly sanded unfinished factory-assembled equipment cabinet that's easy on the budget. Convenient lift-lid top provides accessibility to record changer, tuner and amplifier. Also has two full doors, complete with blank panel, to permit custom-installing tuner and amplifier. Plenty of room for record storage, too. Changer compartment: 16¾" wide, 14" deep, 5¾" above, 14" below motor board (supplied); tuner-amplifier section: 20x16¾x14", with shelf. 30½x36x17¼". Shpg. wt., 60 lbs.

35 DZ 752. NET...............59.95

KN-1700. Finished. **Specify mahogany, limed oak or walnut.** 62 lbs.

35 DZ 753C. NET...............69.95

Wolverine High-Fidelity Components

by Electro-Voice

8", 12" and 15" Hi-Fi Speakers

A moderately priced series of high-fidelity speakers with quality features usually found in higher priced speaker systems. Each has a heavy-duty, die-cast frame, Radax construction, edgewise-wound voice coil—assurance of fine performance.

Use of a low-silhouette frame allows easy installation in walls or ceilings. Cones are fungi-proofed—chemically treated to resist high humidity. Excellent response and economical price make these speakers ideal for stereo.

MODEL LS-15 HI-FI SPEAKER

Beautifully performing, popular 15" high-fidelity loudspeaker. Delivers remarkably clean frequency response from 35-13,000 cps. Construction features include: a heavy-duty, die-cast frame for precision alignment of critical parts; Radax construction (special radiator cone for treble); low-silhouette frame for convenient wall installation; and edgewise-wound voice coil of precision-flattened ribbon conductor for approximately 18% increased efficiency.

Cone resonance, 35-45 cps. Program handling capacity, 50 watts. Mechanical crossover frequency, 4500 cps. Speaker has depth of 6 11/32"; requires baffle opening of 13⅞". Diameter, 15⅛". Voice coil impedance, 8 ohms. Shpg. wt., 12 lbs. *$2 Down.*

70 DX 264. List, $40.83. NET...... **24.01**

MODEL LS-12 HI-FI SPEAKER

Moderately priced 12" high-fidelity loudspeaker that's ideal for use in inexpensive stereo music systems. Perfectly matches Electro-Voice "Marquis" and "Aristocrat" enclosures shown elsewhere in this section of catalog. Provides exceptionally clean, smooth frequency response from 40-13,000 cps. Contains all the valuable design features of the Wolverine LS-15 speaker, described at left.

Cone has resonant frequency of 40-55 cps. Uses tough, one-piece molded cone. All internal parts are precision-ground to jewel-like accuracy. Power handling capacity: 50 watts of program material. Mechanical crossover at 4500 cps. Impedance, 8 ohms. Size, 12¼x3½" deep. Requires 11" dia. baffle opening. Shpg. wt., 6 lbs.

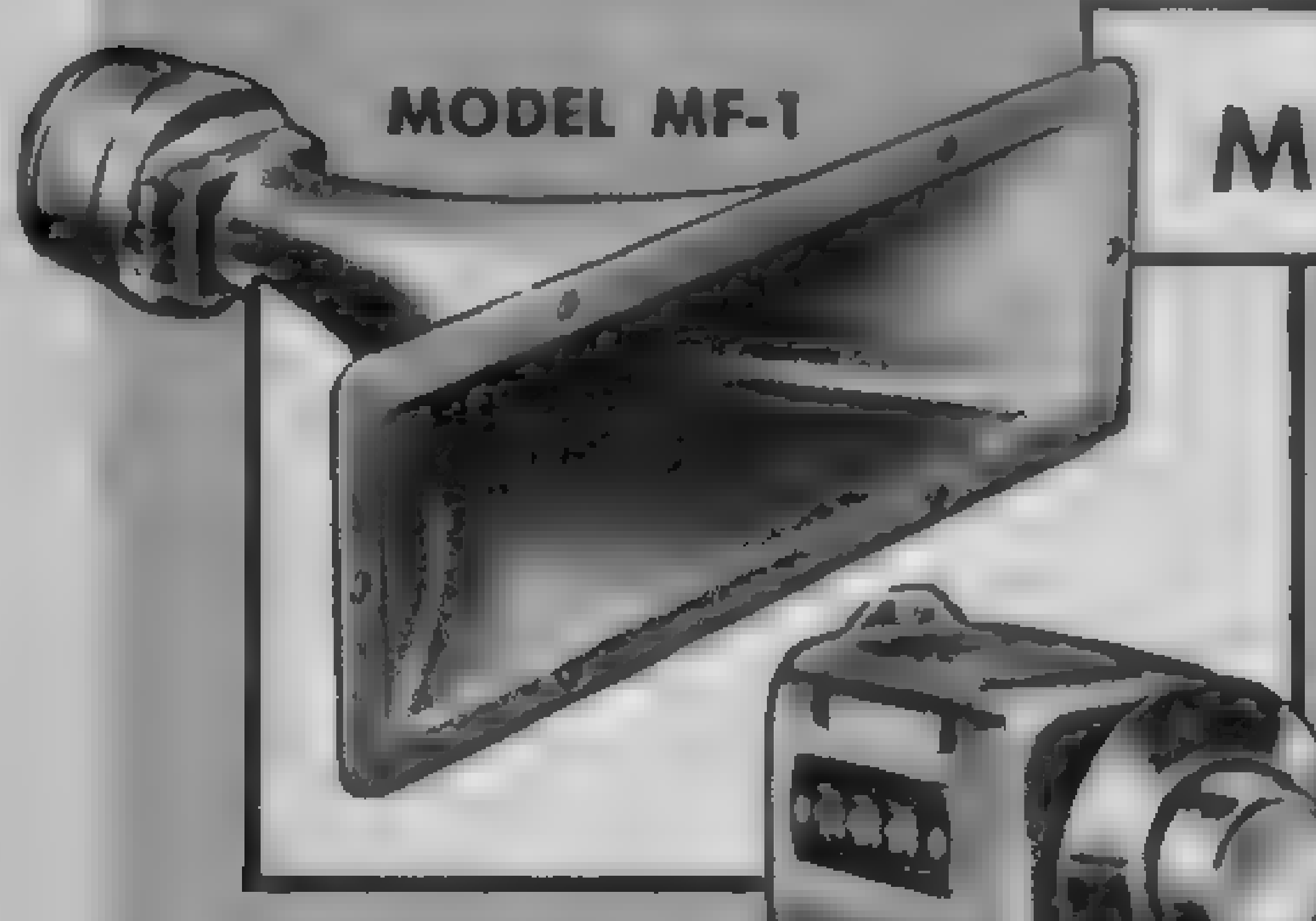
82 DX 850. List, $32.50. NET........ **19.11**

MODEL LS-8 HI-FI SPEAKER

A favorite 8" speaker for budget-priced sy tems—and an outstanding choice whe space is limited. Manufactured to highe standards to assure exceptionally fine, ful range reproduction. Features crisp, highl authentic response from 55-13,000 cps. Tw of these value-packed speakers are exceller in stereo systems where space as well as co are important considerations. Also used extension speakers to spread hi-fi throug out the home.

Has cone resonance of 50-70 cps. Pow handling capacity, 50 watts at progra material. Mechanical crossover frequenc 6000 cps. 8⅜" diameter; only 3½" dee Requires baffle opening of 7⅛". Impedanc 8 ohms. Shpg. wt., 4½ lbs.

82 D 851. List, $30.00. NET....... **17.6**

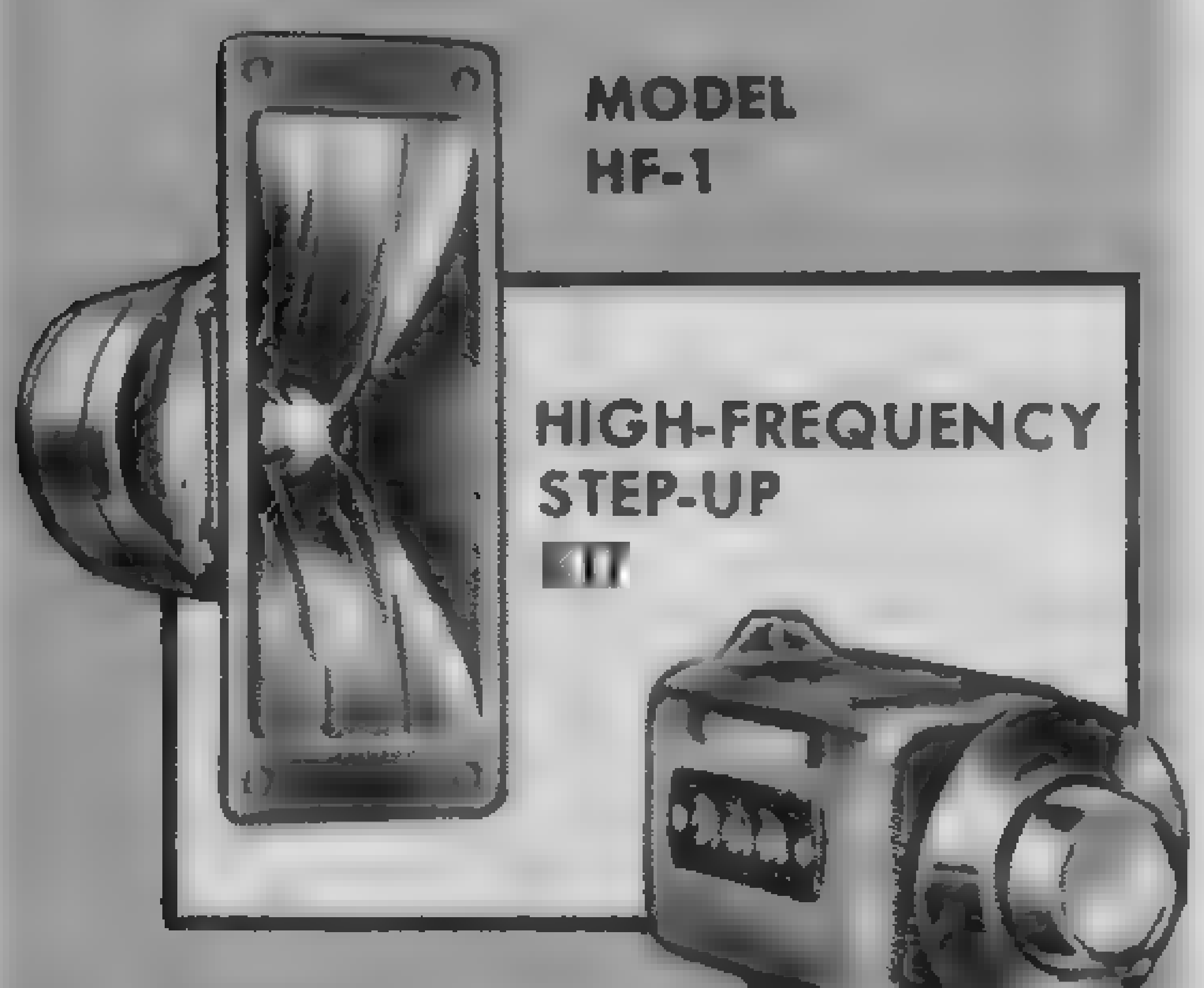


Includes mid-range unit, LC crossover, hardware

MID-RANGE AND HIGH-FREQUENCY STEP-UP KITS

Ideal for 2-Way and 3-Way Speaker Systems

Complete mid-range and high-frequency kits to expand E-V "Wolverine" speakers to 2-way and 3-way hi-fi speaker systems. Special features include: Avedon throat design to extend frequency response; Hoodwin diffraction horn to spread sound evenly through a solid 180° pattern; linen diaphragm for superb musical quality; and control for balancing of treble response.



Includes tweeter, LC crossover network, hardware

MODEL MF-1 MID-RANGE KIT

NET $\$24^{50}$

- Perfect for LS-12 or LS-15 Speaker
- Ideal for "Marquis" and "Aristocrat"

$2.00 Down

Excellent mid-range components for use in making up a three-way speaker system. Can also be used as a tweeter in two-way speaker systems. Complete kit consists of the efficient MR-10 treble driver, CR-10 crossover network with level control, mounting hardware and instructions.

Perfect for addition to Wolverine LS-12 or LS-15 speakers described above. Ideally suited for installation in "Aristocrat" and "Marquis" speaker systems and enclosures listed elsewhere in this section. Provides remarkably smooth frequency response from 1000 cps to 15,000 cps. Spreads mid-range evenly throughout the listening area.

Power handling capacity, 50 watts of program material. Provides wide-angle dispersion, 180°. Impedance, 8 ohms. Horn size, 4" long by 10½" wide. Crossover size, 3¼x3x2½". Shpg. wt., 5 lbs.

82 DX 852. *Only $2 Down.* NET.. **24.50**

MODEL HF-1 HIGH-FREQUENCY KIT

NET $\$19^{60}$

- For 2 or 3-Way Speaker Systen
- For "Aristocrat" and "Marquis"

$2.00 Down

Quality high-frequency components at mo erate cost. Complete kit consists of t Model TW-35 wide-angle, horn-type twee er, Model CR-35 3500-cycle crossover ne work with level control, wiring, mountin hardware and easy-to-follow instructions.

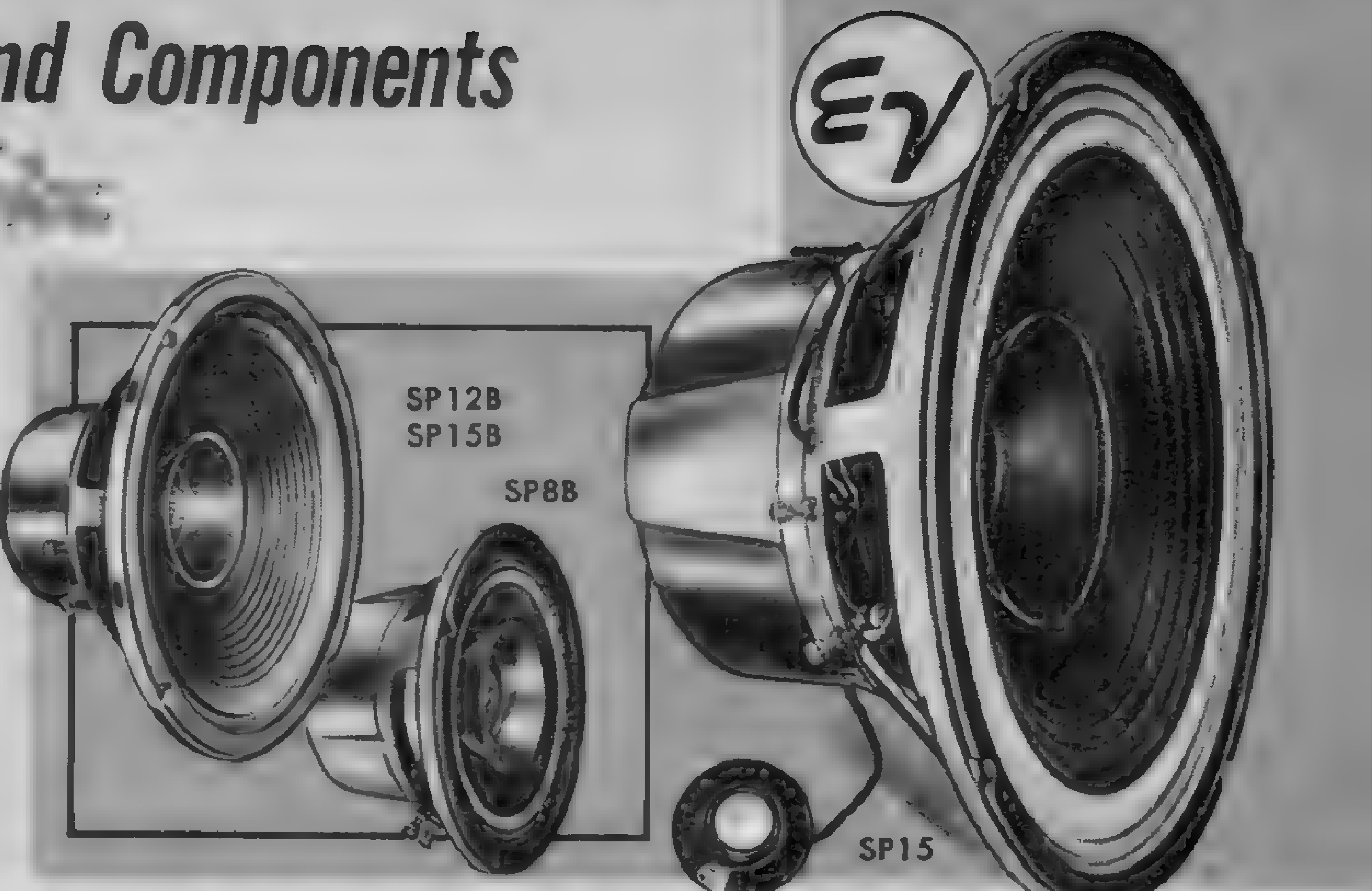
Perfect for use in 2-way or 3-way speak systems. Delivers outstanding results wi other "Wolverine" speaker components can be added to any 8", 12" or 15" "Wolve ine" speaker to extend crystal-clear hig frequency performance beyond the audib spectrum; provides crisp treble respon from 3500-18,000 cps. Cutouts in "Arist crat" and "Marquis" speaker enclosur make installation easy.

Power Capacity, 50 watts (100 watts peak Voice coil Dispersion, 180°, impedance, ohms. Size, 5¼x2x2¾". Crossover, 3¼x3 2½". Shpg. wt., 3 lbs.

82 D 853. *$2 Down.* NET **19.6**

Hi-Fi Speakers and Components

by [illegible]



8, 12, 15 and 30" Speakers

Precision-built hi-fi speakers and speaker system components for superb reproduction of sound. Highly respected for their outstanding performance characteristics, these quality units have earned a position of esteem among the most critical music lovers.

The many excellent tweeters, mid-range units and crossover networks shown on the bottom half of this page offer you a means of getting the ultimate sound from your music system. They may be conveniently added at any time.

MODEL SP8B SPEAKER

Low-cost 8" hi-fi speaker that's perfectly suited for use in limited-space music systems. Bass resonance, 50-65 cps. Sturdy, ½-lb. magnet. Frequency response, ±5 db. 5-13,000 cps. Rated at 20 watts. Crossover, 000 cps. Impedance, 16 ohms. Depth, 4⅝". lbs.

1 D 277. *$2 Down.* **NET.........28.91**

MODEL 15W WOOFER

(Not illustrated). High efficiency 15" woofer for installation in large-size enclosure. Range, 30-1200 cps. 4¾-lb. magnet; 25-35 cps resonant frequency. Rated at 30 watts. Impedance, 16 ohms. Wt., 29 lbs.

1 DU 286. *$5 Down.* **NET.......87.22**

MODEL 30W. 30" woofer 13½" depth; 28¼" e opening required. Imp., 16 ohms. 48 lbs.

DZ 513. *$5 Down.* **NET.......181.30**

SP12B AND SP15B SPEAKERS

MODEL SP12B. Moderately-priced, full-range 12" speaker with 1½-lb. ceramic magnet. Has smooth frequency response, ±5 db, 40-13,000 cps. Radax construction with "Whizzer" HF radiator. Rated at 20 watts; cone resonance, 40-50 cps. Crossover at 4500 cps. Impedance, 16 ohms. Depth, 6". Shpg. wt., 11 lbs.

81 DX 278. *$2 Down.* **NET.......34.30**

MODEL SP15B. Highly popular 15" full-range speaker with 1½-lb. ceramic magnet. Has seamless molded-type bass cone directly coupled to "Whizzer" HF radiator. Radax construction provides two concentrically mounted cones—one for low frequencies, other for high. Response, 35-13,000 cps. Rated at 30 watts. Crossover at 3500 cps. Imp., 16 ohms. Depth, 7⅝". 16 lbs.

81 DX 760. *$2 Down.* **NET........42.14**

SP12 AND SP15 SPEAKERS

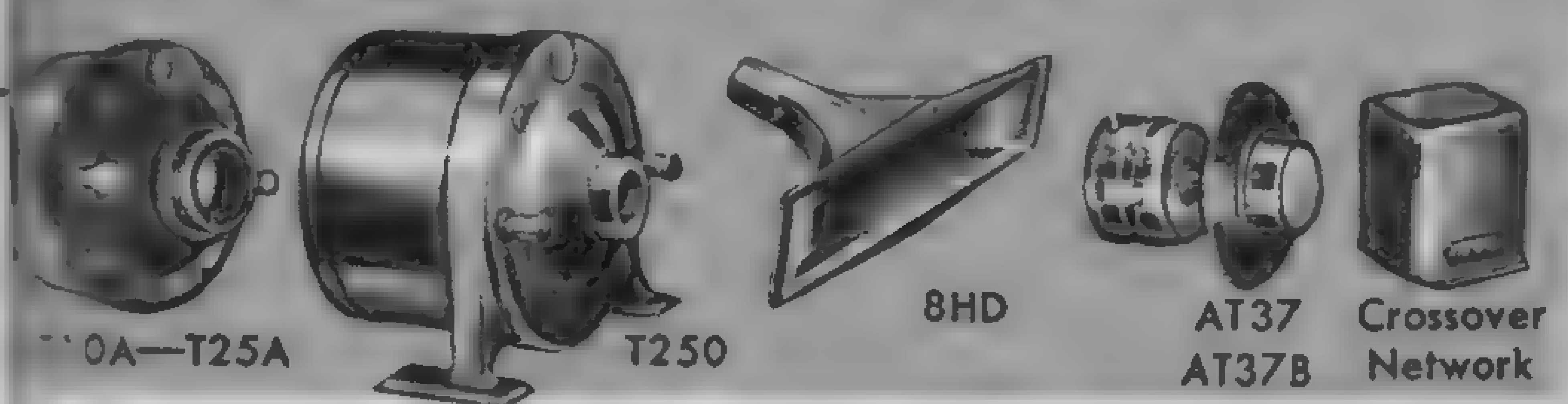
MODEL SP15. Top-performing 15" speaker with 2½" aluminum voice coil. Efficient 4¾-lb. ceramic magnet provides remarkably distinct bass. Uses "Whizzer" HF radiator. Response, ±5 db, 30-13,000 cps. Crossover at 3000 cps. Rated at 30 watts. Depth, 9". Impedance, 16 ohms. 29 lbs.

81 DU 280. *$5 Down.* **NET..... .87.22**

MODEL SP12. (Not illustrated.) 12" Radax-type speaker with 4000 cps crossover. Bass cone resonance, 35-45 cps. Uses "Whizzer" high-frequency, wide dispersion radiator for extended treble. 100° dispersion. Employs 3-lb. Alnico V magnet. Clean, smooth frequency response, ±5 db, 35-13,000 cps. 2½" aluminum voice coil. Rated 25 watts capacity. Impedance, 16 ohms. Depth, 7¾". Shpg. wt., 23 lbs.

81 DU 279. *$5 Down.* **NET.......64.68**

MID-RANGE HORN, DRIVERS AND CROSSOVER



MODEL T10A MID-FREQUENCY DRIVER. Provides ultra-clean mid-range response from 800-3800 cps. For use with 8HD diffraction horn and crossover network. Has ¾-lb. Alnico V magnet. Frequency response, ±4 db, 800-3800 cps. Power handling capacity, 20 watts. Impedance, ohms. Size, 5¼" diameter, 3¾" deep. Throat, ⅞". Shpg. wt., 4 lbs.

1 D 424. *$2 Down.* **NET.....41.65**

MODEL T25A MID-FREQUENCY DRIVER. High-quality treble driver featuring 1-lb. Alnico V magnet. For use with 8HD horn, plus crossover network. Capacity, 20-30 watts. ±2½ db, 700-3800 cps. voice coil. Imp., 16 ohms. 3¾" dia., " depth. Throat, ⅞". 6 lbs.

1 D 288. *$5 Down.* **NET.....56.84**

MODEL T250 MID-FREQUENCY DRIVER. Use with 8HD horn and crossover. ±1 db. 1500-3500 cps, 3-lb. magnet. 5¼" p. Shpg. wt., 15 lbs.

2 DX 800. *$5 Down.* **NET.....79.38**

MODEL 8HD DIFFRACTION HORN. For use with T10A, T25A or T250 mid-frequency drivers (at left). Has 600 cycle cutoff, 800 cycle crossover frequency. Precision diecast construction; free from resonance. With rubber edge dampers. 15x4½x8¼". Shpg. wt., 4 lbs.

81 D 429. **NET..............17.64**

MODEL AT37 LEVEL CONTROL. 16-ohm L-pad, for adjustment of mid-range and tweeter output. Mahogany finish. Shpg. wt., 6 oz.

81 D 437. **NET...............3.82**

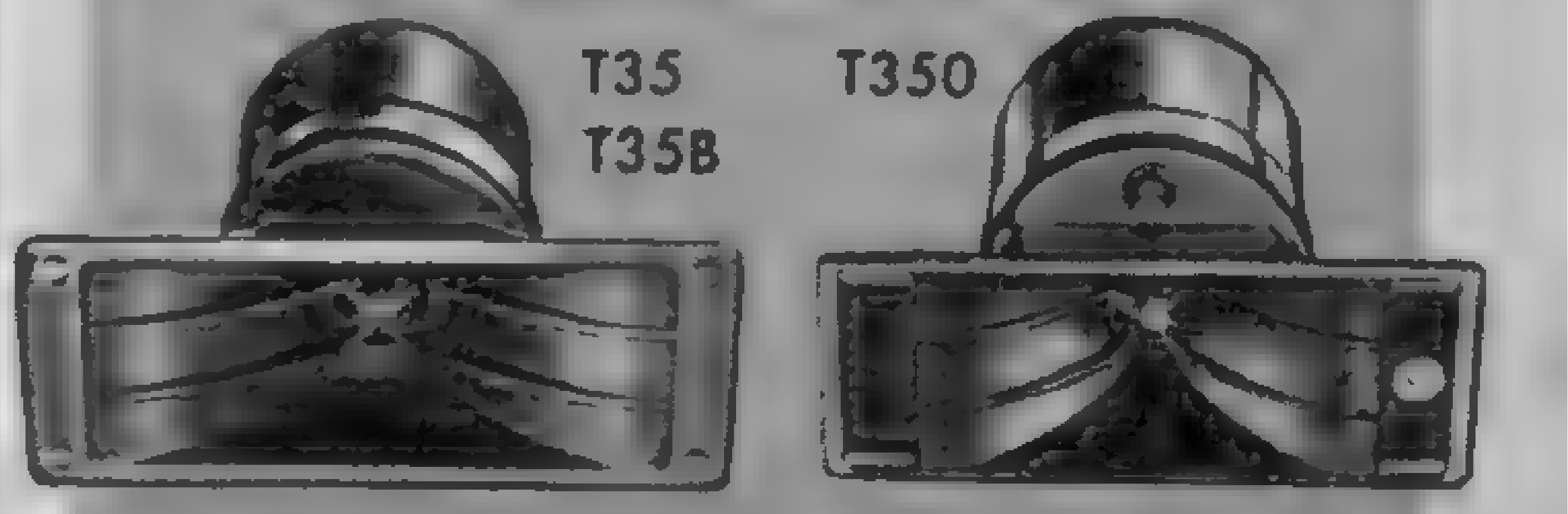
MODEL AT37B. LEVEL CONTROL. 16-ohm L-pad, as above, but in blonde finish.

81 D 838. **NET...............3.82**

CROSSOVER NETWORKS

Stock No.	Type	Crossover	Lbs.	EACH
82 D 802	X325	300	4	31.36
81 D 415	X825	800	3	18.62
81 D 293	X8	800	6	31.34
81 D 436	X36	3500	3	9.31

HIGH-FREQUENCY TWEETERS



MODEL T35 "SUPER SONAX". Delivers remarkably clean, extended high-frequency response—3500-19,000 cps. Features wide-angle (180°) dispersion horn; cutoff, 1500 cps. Use with X36 crossover and AT37 or AT37B level control (listed on this page). For amplifiers delivering at 20 watts or over. Has ½-lb. magnet. Imp., 16 ohms. Horn, 5¼x2". Pot, 2¼x3¼". 3 lbs.

81 D 434. *$2 Down.* **NET...............34.30**

MODEL T35B. As above but for amplifiers which deliver less than 20 watts. X36 crossover at left required. Pot, 2¼"; depth, 3". Wt., 3 lbs.

81 D 432. *$2 Down.* **NET................21.56**

MODEL T350. Exceptionally fine tweeter ideal for deluxe multiway speaker systems. Employs diffraction horn principle with special Avedon Sonophase throat design for 180° dispersion pattern. Capacity, 50 watts; handles 100-watt peaks. Impedance, 16 ohms. Frequency response, ±8 db, 2000-35,000 cps. Magnet weight, 1 lb. Recommended crossover, 3500 cps. Horn is 7½" long, 2⅞" wide. Pot diameter, 3½". Overall depth, 4½". Wt., 9½ lbs.

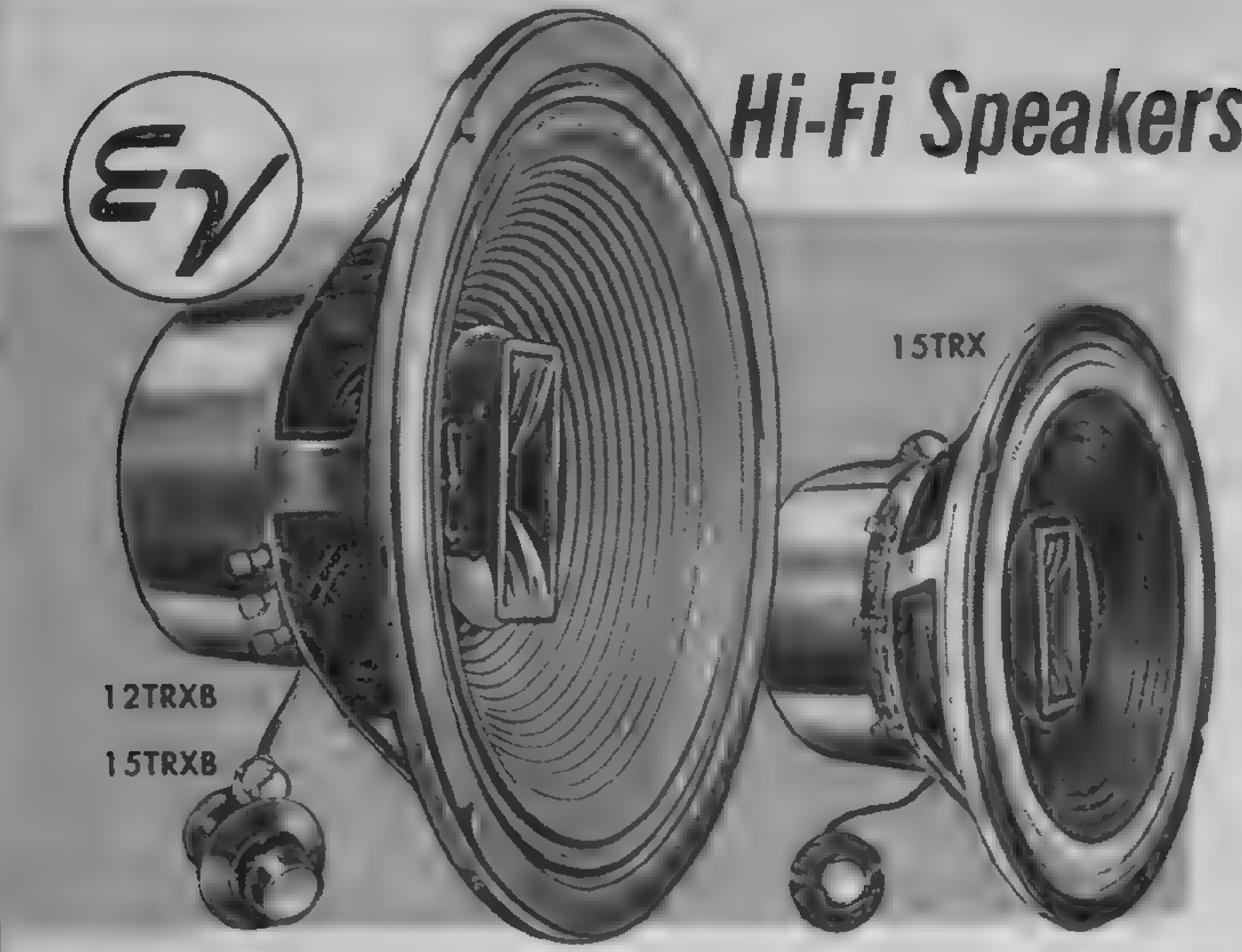
82 DX 337. *$5 Down.* **NET..............58.80**

Stock No.	Type	Description of Components	Lbs.	NET
81 D 835	BB1	For 2-way systems (woofer with treble driver), and full-range speakers having 1-2-lb. magnets. Includes T35B VHF driver, X36 crossover, AT37 level control, wiring harness.	5	36.26
81 D 858	BB2	For 2-way systems (woofer with treble driver), and coaxial speakers having 3-lb. magnets or greater. Includes T35 VHF driver, X36 crossover, AT37 level control, wiring harness.	5	49.00
81 DX 834	BB3	For existing woofers or coaxial speakers having 1-2-lb. magnets. Includes T10A driver, 8HD horn, X825 crossover, AT37 level control, wiring harness.	11	84.28
81 DU 859	BB4	For existing woofers or coaxial speakers having 3-lb. magnets or greater. Includes T25A driver, 8HD horn, X8 crossover, AT37 level control, wiring harness.	16	111.72
70 DX 522	BB5	For deluxe speaker systems, such as the Patrician 700. Includes T350 Ultra-Sonax VHF tweeter, X36 crossover network, AT37 level control, wiring harness.	13	73.50

Choose Your Own Music System With E-V Components—Write For A Price Quotation

Hi-Fi Speakers, Enclosures & Systems

by Electro-Voice



TRX 3-Way High-Fidelity Speakers

Beautifully performing speakers employing three concentrically mounted sections—Super Sonax VHF driver, Radax mid-range, and large bass cone with double-flux ceramic magnet, for superb sound reproduction.

Deliver rich, vibrant bass, full-bodied mid-range response and ultra-clean treble. These famous TRX speakers have a well-established reputation for extraordinary high fidelity performance, and are excellent choices for use in monophonic and stereo music systems.

MODEL 12TRXB 12″ SPEAKER. Highly popular, 3-way speaker—excellent for use in high-quality music systems. Features concentric mounting of all elements for wide-angle dispersion of sound; edgewise-wound voice coil for lower transient distortion. Employs 12″ woofer cone, Radax-type mid-range propagator cone, and T35B tweeter. 1¾ lb. double-flux ceramic magnet (total flux: 100,000 maxwells). Frequency response (in Aristocrat Enclosure), ±3½ db, 40-18,000 cps. Mechanical crossover, 2000 cps; built-in electrical crossover, 3500 cps. HF level control. Capacity, 70 watts, program material. Imp., 16 ohms. Depth, 6⅙″. 14 lbs.
81 DX 239. *Only $5 Down..* **NET** **64.68**

MODEL 15TRXB 15″ SPEAKER. A full-range, 3-way speaker at unusually moderate cost. Employs double-power, Indox V ceramic magnet weighing 1¾ lbs. Features three-way, concentric-mounted sections consisting of 15″ woofer cone, Radax-type "Whizzer" mid-range element, and T35B "Super Sonax" VHF tweeter. Smooth, full reproduction of lows is provided by the large woofer cone; "whizzer" and tweeter provide clear reproduction from mid-ranges to highs. Mechanical crossover at 2000 cps; built-in electrical crossover at 3500 cps. Response, ±3½ db, 35-18,000 cps. Resonance, 38-48 cps. Capacity, 70 watts, program material. Imp., 16 ohms. Depth, 7⅝″. HF level control. Shpg. wt., 17 lbs.
81 DX 761. *Only $5 Down.* **NET** **77.42**

MODEL 12TRX 12″ SPEAKER. An outstanding 12″ three-way speake employing efficient, 3½-lb. Alnico V magnet. Beautifully divide the entire audio spectrum—delivers rich, remarkably true audi reproduction. The 12″ woofer provides phenomenal bass response Radax-type mid-range element insures vivid realism; highes audible frequencies are faithfully reproduced by the T35 tweeter Includes X36 crossover network, and AT37 HF control tha compensates for room furnishings—allows matching to roo acoustics. Total flux: 176,000 maxwells. Frequency response (i Aristocrat enclosure), ±3½ db, 35-19,000 cps. Capacity, 70 watts 8″ depth. Impedance, 16 ohms. Shpg. wt., 30 lbs.
81 DU 236. *Only $5 Down.* **NET**. **122.5**

MODEL 15TRX 15″ SPEAKER. E-V's finest, custom-engineered 3-wa high-fidelity speaker. Uses extra-large 5-lb. double flux cerami magnet for minimum transient distortion and remarkably clea and distinct bass. Total flux: 244,000 maxwells. Consists of 15 woofer with Radax-type "Whizzer" mid-range element; T3 "Super-Sonax" very-high-frequency tweeter; built-in X36 crossove network; and the AT37 HF level control. Uses 2½″ aluminum voi coil. Response, ±3½ db. 30-19,000 cps. Resonance, 35-45 cp Power handling capacity, 70 watts, program material. 9⅛″ dept Imp., 16 ohms. Shpg. wt., 43 lbs.
81 DU 235. *Only $5 Down.* **NET**. **146.0**

FACTORY-ASSEMBLED ENCLOSURES

"ARISTOCRAT" SPEAKER ENCLOSURE. Extremely popular, folded-horn corner enclosure with cutouts for "Wolverine" components. Accommodates E-V or any other 12″ speaker, and can be used to make up a complete 2 or 3-way speaker system. Gracefully styled, the "Aristocrat" truly augments bass reproduction—no boominess, no "muddy" sound. Its extended bass range, down to 35 cps, assures proper balance of lows and highs for most enjoyable listening. In three beautiful finishes. Brushed brass grille. 29⅝x19x16⁵⁄₁₆″. 44 lbs.
81 DZ 295. **Mahogany. NET**. **70.56**
81 DZ 296. **Limed Oak. NET**. **77.42**
81 DZ 862. **Walnut. NET**. **77.42**

ARISTOCRAT 100 SPEAKER SYSTEM. Includes E-V SP12B 12″ speaker installed in "Aristocrat" enclosure. **Specify mahogany, limed oak or walnut.** 55 lbs.
20 SA 175 C. *$5 Down.* **NET** . . . **100.94**

"MARQUIS" SPEAKER ENCLOSURE. Enjoy outstanding high-fidelity reproduction with this along the-wall, folded-horn counterpart of the popular "Aristocrat". Features ducted-port design giving extended bass response down to 40 cps. For E-V "Wolverine" or other 12″ speakers, or 2 or 3-way systems. The "Marquis" employs increased, reflected speaker inductance to lower the "Q" of the rear air-loaded mass. 29⅝x19x14½″. 50 lbs.
79 DZ 310. **Mahogany. NET**. **61.74**
79 DZ 311. **Limed Oak. NET**. **67.62**
79 DZ 312. **Walnut. NET**. **67.62**

MARQUIS 100 SPEAKER SYSTEM. Save $4.01! Includes E-V SP12B 12″ speaker installed in "Marquis" enclosure. **Specify mahogany, limed oak or walnut.** 61 lbs.
20 SA 176 C. *$5 Down.* **NET**. **92.03**

How to Select Your E-V Speaker

It's easy to decide which Electro-Voice speaker is best suited to your needs. There is a specific series in each of three price ranges—low-cost, medium-priced, and speakers for deluxe music systems.

1. For economy music systems, choose one of the single-cone, die-cast frame "Wolverine" speakers. Excellent values, they deliver response to 13,000 cps.

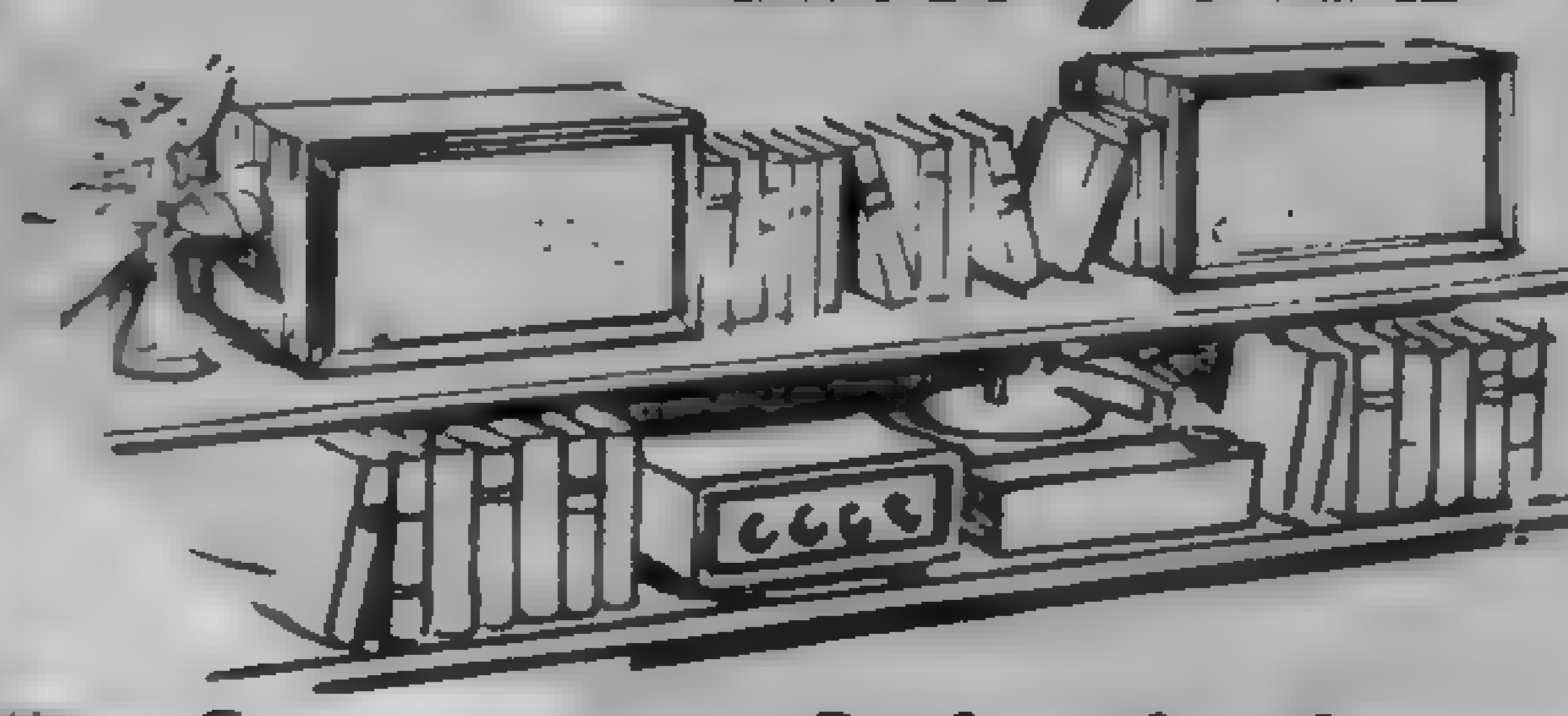
2. In the moderate price ranges, you'll find the Radax series (SP8, SP12, SP15). These units provide an extended response through the use of coaxial cones, both operating from a single voice coil.

3. For the ultimate, the TRX series. You get 3-way construction, with greatly extended bass and treble response from the concentrically positioned super-tweeter, and large and small cones.

4. The distinguishing feature of speakers, other than size, is magnet weight. Generally speaking, the heavier the magnet, the greater the efficiency of reproduction.

Low-Resonance Sealed Speaker Systems

Electro-Voice



Ultra-Compact . . . Perfect for Stereo

Space-sparing, wide-range systems for use along a wall, in a corner or on a bookshelf. Each is a blending of tasteful styling and outstanding audio design. All require amplifiers rated at least 12 watts per channel.

Finished on all four sides for use in either lowboy or highboy applications

Skillfully Designed Leyton 2-Way Hi-Fi Speaker System

NET **$82.81** **$5 down**

An expertly designed, space-sparing 2-way speaker system at moderate cost. Only 14″ high, 25″ wide and 12″ deep—perfect for mounting on a bookshelf or record shelf. Consists of an air-tight enclosure, 12″ woofer and 8″ high frequency driver with level control—completely wired, ready to enjoy. Beautifully finished on four sides, the "Leyton" can be used in either lowboy or highboy applications—ideally suited for use in pairs in limited-space stereo music systems. Enclosure features rigid, vibration-free, plywood construction—attractively finished by skilled furniture craftsmen to complement any decorative scheme.

Employs special "air cushion" principle for distortion-free, low resonant bass reproduction. Delivers smooth, wide-range response from 40-13,000 cps. System handles 35 watts; 70 watt peaks. Impedance, 8 ohms. Genuine furniture veneers; **available in mahogany or walnut.** Enclosure and speaker components not available separately. Shpg. wt., 29 lbs. *Only $5 Down.*

70 DU 265C. *Specify Finish.* NET.......................82.81

UNFINISHED "UTILITY" LEYTON SPEAKER SYSTEM. Same excellent unit as above, but unfinished hardwood. May be painted or finished to suit any furnishing mode—ideal for custom installation. 29 lbs.

70 DZ 617. *Only $5 Down.* NET.. .. ..76.93

"ESQUIRE 200" 3-WAY SPEAKER SYSTEM

NET **$130.34** **$5 down**

An excellent choice for the moderately priced music system. Achieves extended bass response and dynamic range without sacrificing efficiency. Components employed include: 12″ woofer with 1⅜-lb. ceramic magnet; 8″ mid-range cone speaker; very high frequency tweeter; plus 2-section, crossover network with two level controls.

The 8″-cone mid-range speaker is tailored to afford maximum dispersion and smoothest response—has shallow design. First crossover point is at 200 cps to the 8″ unit; above 3500 cps, the very-high frequency, compression-diffraction driver is employed. Frequency response is flat from 40 to 18,000 cps. Power handling capacity, 70 watts. Impedance, 8 ohms. Size, 14x25x13½″. **Available in choice of mahogany, limed oak or walnut.** Shpg. wt., 50 lbs. *Unfinished and Kit models are listed on next page.*

DU 267C. *Specify Finish.* NET. 130.34

Esquire 200

"REGAL 300" 3-WAY SPEAKER SYSTEM

NET **$175.42** **$5 down**

Deluxe, extended range 3-way system housed in an elegantly styled, sealed enclosure. Features a 12″ woofer with a 4.6.-lb ceramic magnet and long-throw voice coil; 8″ cone-type mid-range speaker in a totally isolated chamber; compression-type very-high-frequency diffraction horn; and two L-C type crossover networks with level controls. Extra-low electrical crossover at 200 cps— very high frequency driver takes over at cps. Smoothly reproduces the entire audio spectrum.

Response is flat from 35-18,000 cps. Power handling capacity, 70 watts. Impedance, 8 ohms. Size, 14″ high, 25″ wide and 13½″ deep. **Available in choice of mahogany, limed oak or walnut.** Finished on four sides. Shpg. wt., 64 lbs. *Unfinished and Kit models are listed on the next page. Only $5 Down.*

DU 336C. *Specify Finish.* NET....................175.42

Regal 300

"ROYAL 400" 3-WAY SPEAKER SYSTEM

NET **$10 down**

Luxuriously styled and offering phenomenal response, the "Royal 400" stands among the finest ultra-compact speaker systems available. Has special 18″ woofer that provides exceptionally smooth, rich bass response; 8″ mid-range speaker in totally isolated cavity to prevent distortion; long-throw voice coils insure linear operation at highest levels of sound. Diffraction-compression VHF tweeter. Response, 30-18,000 cps. Capacity, 70 watts. Impedance, 8 ohms. 23½x32x14¾″. **In mahogany, limed oak or walnut.** Shpg. wt., 103 lbs. *$10 Down.*

DZ 266C. *Specify Finish.* NET.....................244.51

UNFINISHED "UTILITY" ROYAL SPEAKER SYSTEM. Identical speaker components to unit above, but unfinished hardwood. May be painted or finished to suit any decorative mode—ideal for custom installations. Shpg. wt., 103 lbs.

DZ 616. *Only $5 Down.* NET...........................195.02

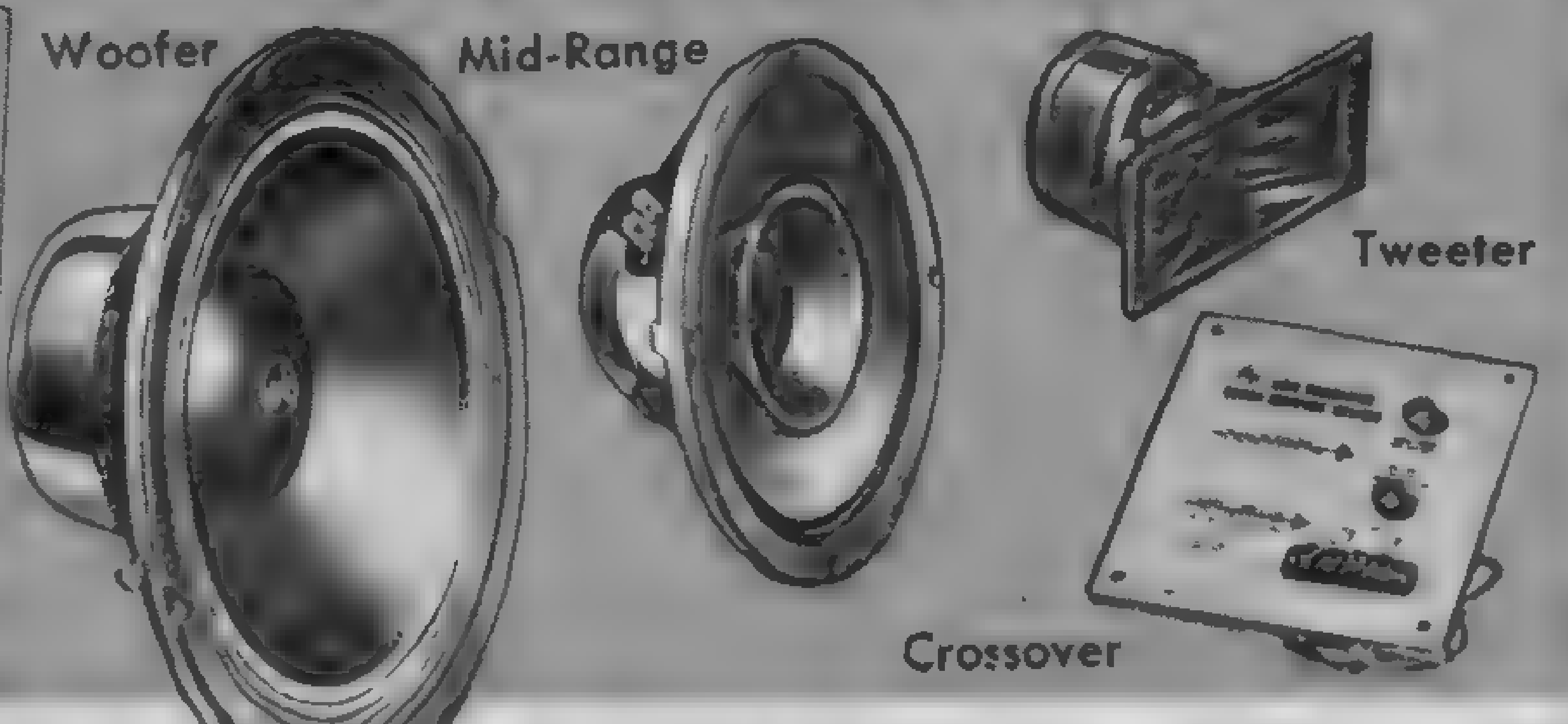
Royal 400

Electro-Voice

Unfinished Speaker Systems

IN KIT OR ASSEMBLED FORM

"Esquire 200"



"ESQUIRE 200" Speaker System Ki

NET

$91.14

only $5 down

Economy, do-it-yourself kit version of the famous "Esquire 200" 3-way speaker system. A marvelous value for any low-cost music installation—excellent for use in pairs in sterec music systems. Advanced design results in extended bass response and dynamic range without sacrificing efficiency. Us of high-power amplifiers is not required to obtain proper performance. Styling is simple, attractive and compact—grace any room decor. When finished on all 4 sides, it can be use horizontally on shelf, or vertically on floor. All component supplied with this superb kit are identical to those in the factory-assembled model. The include: special-design 12" woofer with 1½ lb. double-power ceramic magnet; direct-ra diator, 8" mid-range driver; very-high-frequency compression-diffraction driver; wirin harness; plus 2-section, crossover network with level control.

The 8" horn-loaded driver is tailored to provide maximum in sound dispersion for superio stereo sound. New shallow design provides outstandingly smooth response. First crossove point is at 200 cps to the 8" unit; above 3500 cps the very-high-frequency compression-di fraction driver is employed.

Frequency response is remarkably smooth from 40-18,000 cps. Program handling capacit 70 watts. Impedance, 8 ohms. Supplied with a full set of illustrated, easy-to-follow instruc tions, grille cloth, glue, screws, nails, etc. Size, only 14" high, 23½" wide, 12" deep. Veneere with Swedish Birch for easy finishing in a fine furniture finish. Shpg. wt., 50 lbs.
70 DZ 609. *Only $5 Down.* NET.. 91.1

"ESQUIRE 200" UTILITY. Identical to above, but factory-assembled enclosure of unfinishe Fir plywood. Ideal for custom installation or painting.
70 DZ 614. *Only $5 Down.* NET..105.3

FUN TO ASSEMBLE:

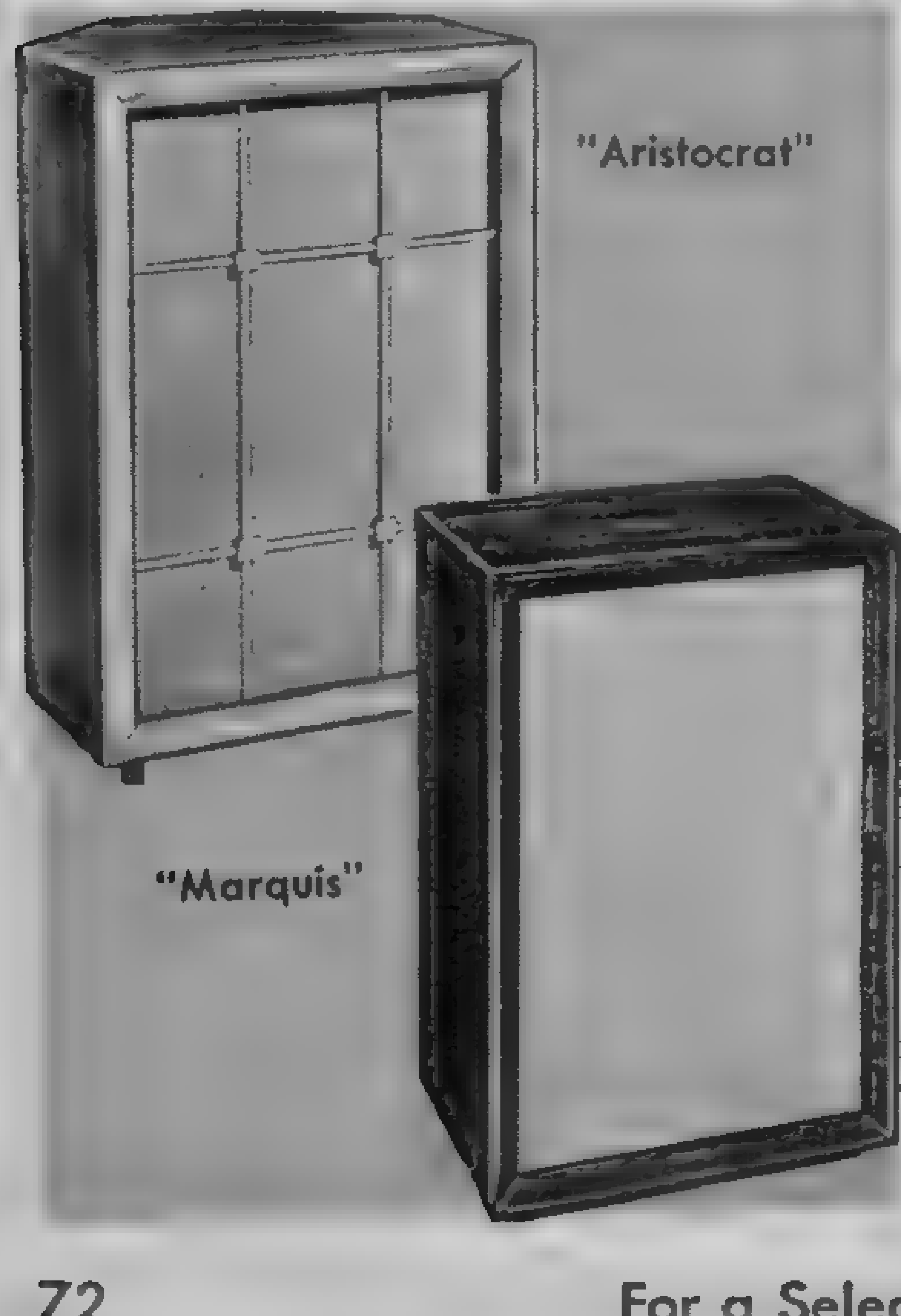
Enjoy the satisfaction of personal accomplishment and at the same time pocket substantial savings by assembling your own Electro-Voice speaker system. Easy-to-follow, illustrated instructions make assembly so easy that even the inexperienced will enjoy building these quality kits. All panels are of ¾" fully cured lumber—precut exactly to size for positive, air-tight construction. A selection of E-V finishing kits permit a wide choice of furniture colors.

"REGAL 300" SPEAKER SYSTEM KIT

Easy-to-assemble, kit version of the deluxe "Regal 300" 3-way speaker system. Housed an elegantly-styled, sealed enclosure that will complement any decor. Name plate may rotated for either horizontal or vertical placement. Features a 12", super-low-frequenc woofer with a 5-lb. ceramic magnet; 8" mid-range, cone-type speaker with a 1-lb., 6-o magnet; very-high-frequency diffraction horn; and an L-C crossover network with two lev controls. Crossover frequencies are 200 and 3500 cps. When used in pairs for stereo, t "Regal 300" provides maximum spread of sound over a wide area, with no spatial distortio Response, flat 35-19,000 cps. Program capacity, 70 watts. Impedance, 8 ohms. With i structions, grille cloth, glue, nails, etc. 14" H, 23½" W, 12" D. 64 lbs.
70 DZ 610. *Only $5 Down.* NET..122.5

"REGAL 300" UTILITY. As above, but factory-assembled enclosure of unfinished Fir plywoo
70 DZ 615. *Only $5 Down.* NET..146.0

Unfinished Speaker Enclosure Kits



KD6 "ARISTOCRAT" ENCLOSURE KIT

NET

$38.22

$2 down

An extremely popular, folded-horn corner enclosure kit. Utilizes wa of room as an extension to its built-in horn—extends bass range by o full octave for clean, clear reproduction of lowest notes without dist tion. Large air-load holds cone-excursion to a minimum for an increa in power handling capability of up to 50%. This attractive enclosu has been designed for use with any 12" speaker (E-V 12" series is esp cially recommended); can also be used to make up two or 3-way speak systems. Fits beautifully in any room. Supplied with grille cloth a easy-to-follow instructions; less metal trim (see AK6, below). Size, 29⅝" high, 19" wid 15¾" deep. Shpg. wt., 44 lbs.
81 DU 788. *Only $2 Down.* NET..38.2

KD9 "MARQUIS" ENCLOSURE KIT

NET

$35[illegible]

$2 down

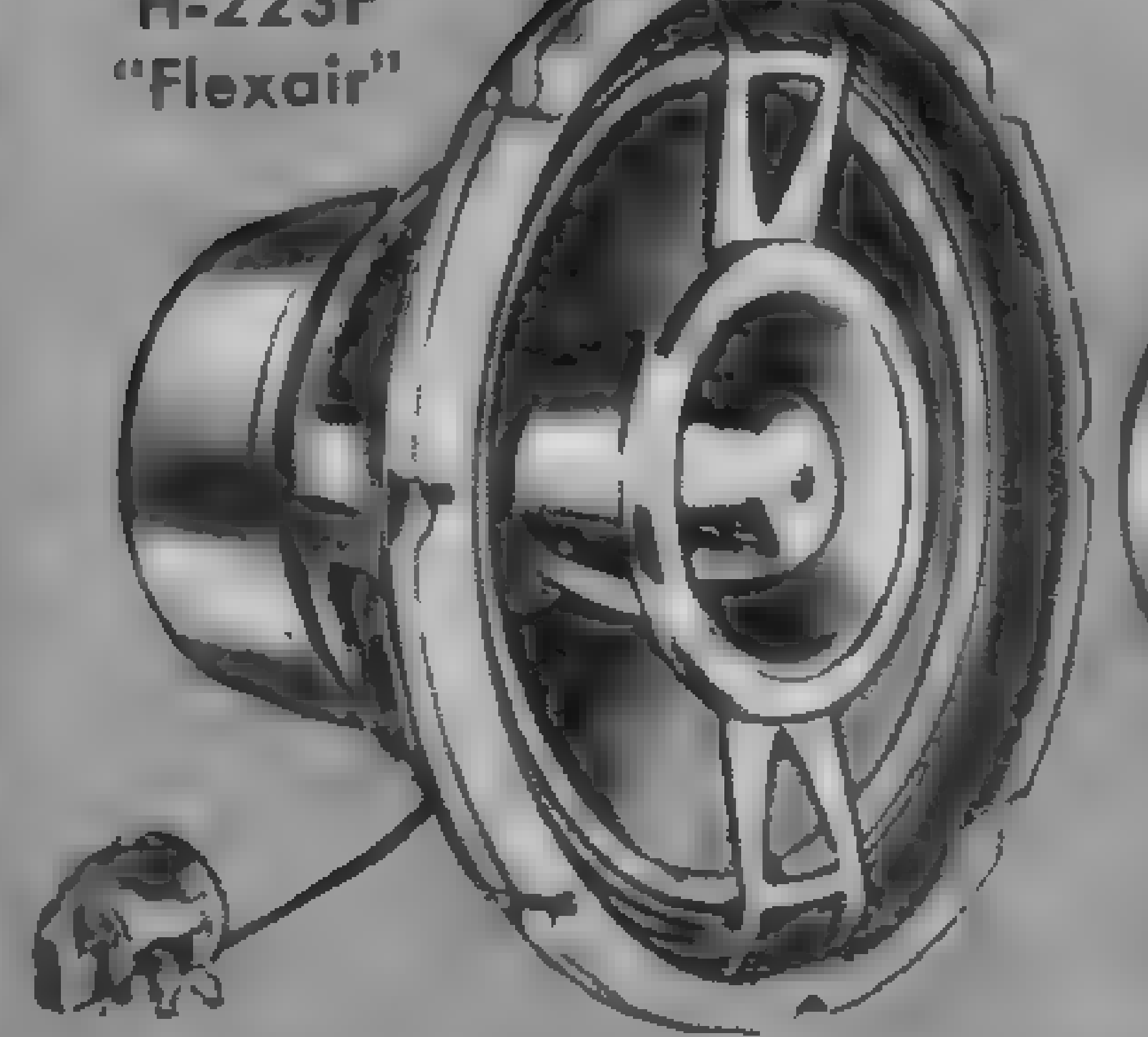
Low cost, do-it-yourself kit version of the popular "Marquis" enclosu Similar in performance and appearance to the "Aristocrat," this folde horn enclosure can be placed anywhere along the wall—does not requ corner placement for extended bass response. Accommodates any Ele tro-Voice or other 12" speaker, and can be used for 2 or 3-way syster without modification. Vertical parallel porting slots extend the lo frequency response range of 12" speakers by nearly an octave. Efficie below the 100-cycle point is increased by nearly 40% over that of co parably-sized bass reflex enclosures. Includes a full set of clearly written, illustrated instru tions, grille cloth, glue, screws and nails; less metal trim, below. Size, 29⅝x19x14½ Shpg. wt., 50 lbs.
70 DU 268. *Only $2 Down.* NET..35.2

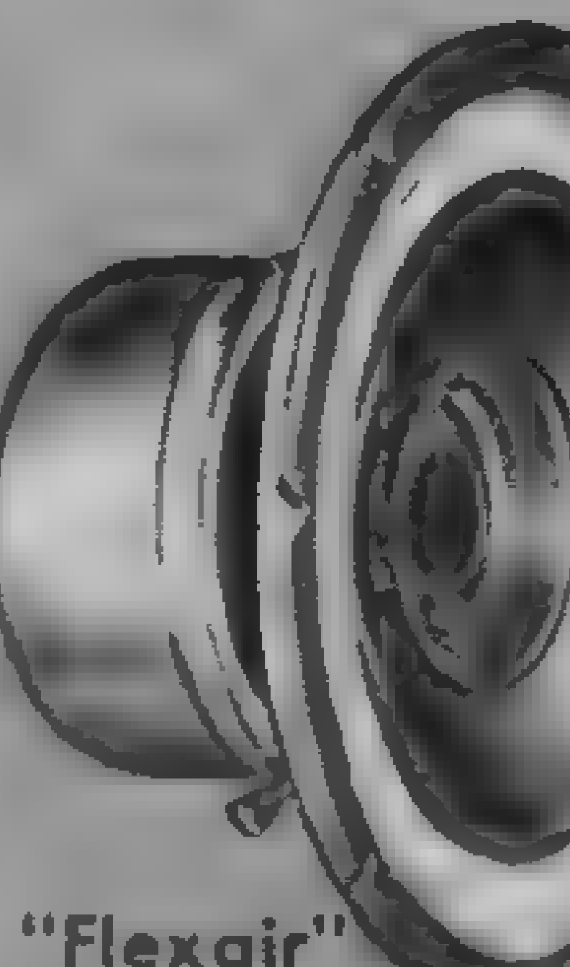
MODEL AK6 TRIM AND GRILLE KIT. For KD6 and KD9. 24x16" brass finish grille. 3 lbs.
81 DX 799. NET..4.

For a Selection of Electro-Voice Finishing Kits, See Page 104

Renowned High-Fidelity Speakers

jensen




"Flexair"
DXF-80

Famous Jensen "Flexair" speakers are designed for smooth reproduction throughout the entire audible range. Special damping action assures super-low resonances for clean, boom-free bass in any type of enclosure.

MODEL H-223F 12" COAXIAL SPEAKER

A top-quality, true 2-way coaxial type speaker, capable of outstanding reproduction in a wide variety of enclosures. Combines the convenience, utility, and quality of the 2-way speaker plus the exceptional performance of Jensen's famous "Flexair" woofer for amazing low-frequency response (all the way down to 20 cycles when used in the BF-100 enclosure). Woofer cone with special damped suspension is capable of extremely long "throw" without distortion—even in unusually small enclosures. Incorporates a built-in, efficient L-C type crossover network at 2000 cps—plus a concentrically mounted, reflexed compression driver tweeter. Extends audio range out to 15,000 cps. Provides crystal-clear, highly authentic treble frequency reproduction.

Power handling capacity, 30 watts. Impedance, 16 ohms. Requires baffle opening of 10½"; depth of 7¾" behind baffle. With wired-in balance control for tweeter. Shpg. wt., 13 lbs.

79 DX 128. *$5 Down.* NET..........................**72.50**

MODEL DXF-80 FULL-RANGE 8" SPEAKER

Full-range speaker employing 8" "Flexair" woofer for super-clean bass response. Ideal for smaller enclosures. Provides low-distortion bass reproduction down to 36 cycles! Concentrically mounted whizzer-cone element extends response to 13,000 cps. DP Alnico V ¼ lb. magnet. Capacity, 20 watts. Imp. 16 ohms. Shpg. wt., 5¼ lbs.

70 D 257. *$2 Down.* NET..........................**24.50**

Wide-Range 12" Coaxial
Speaker—Reproduces
30 to 15,000 Cps

Model H-222 12" Coaxial Speaker

NET
$62 50
$5 down

A highly popular 12" true coaxial speaker offering outstanding quality at moderate cost. Delivers clean, wide-range response for an exceptional standard of high-fidelity reproduction. Features a compression-driver tweeter. Driver unit is loaded by a 6-cell Hypex horn; insuring extremely high efficiency, unusual tonal purity, and wide-angle dispersion of "highs." Overall frequency response extends from 2000 to 15,000 cps. Model ST-946 level control is included—permits adjusting "brilliance" of high frequencies to match room acoustics. Special, two-channel crossover assures proper distribution of bass and treble frequencies above and below the 2000-cps crossover point. Crossover network is built-in—does not require additional mounting space inside the speaker enclosure.

12" woofer cone covers 30 to 2000 cps. 1¾-lb. high-energy, DP-Alnico magnet reproduces the dynamic range of the most powerful percussive passages with superb clarity and realism. Capacity, 25 watts. Impedance, 16 ohms. Shpg. wt., 12 lbs.

82 DX 068. *Only $5 Down.* NET......................**62.50**

MODEL G-610B 15" TRIAXIAL

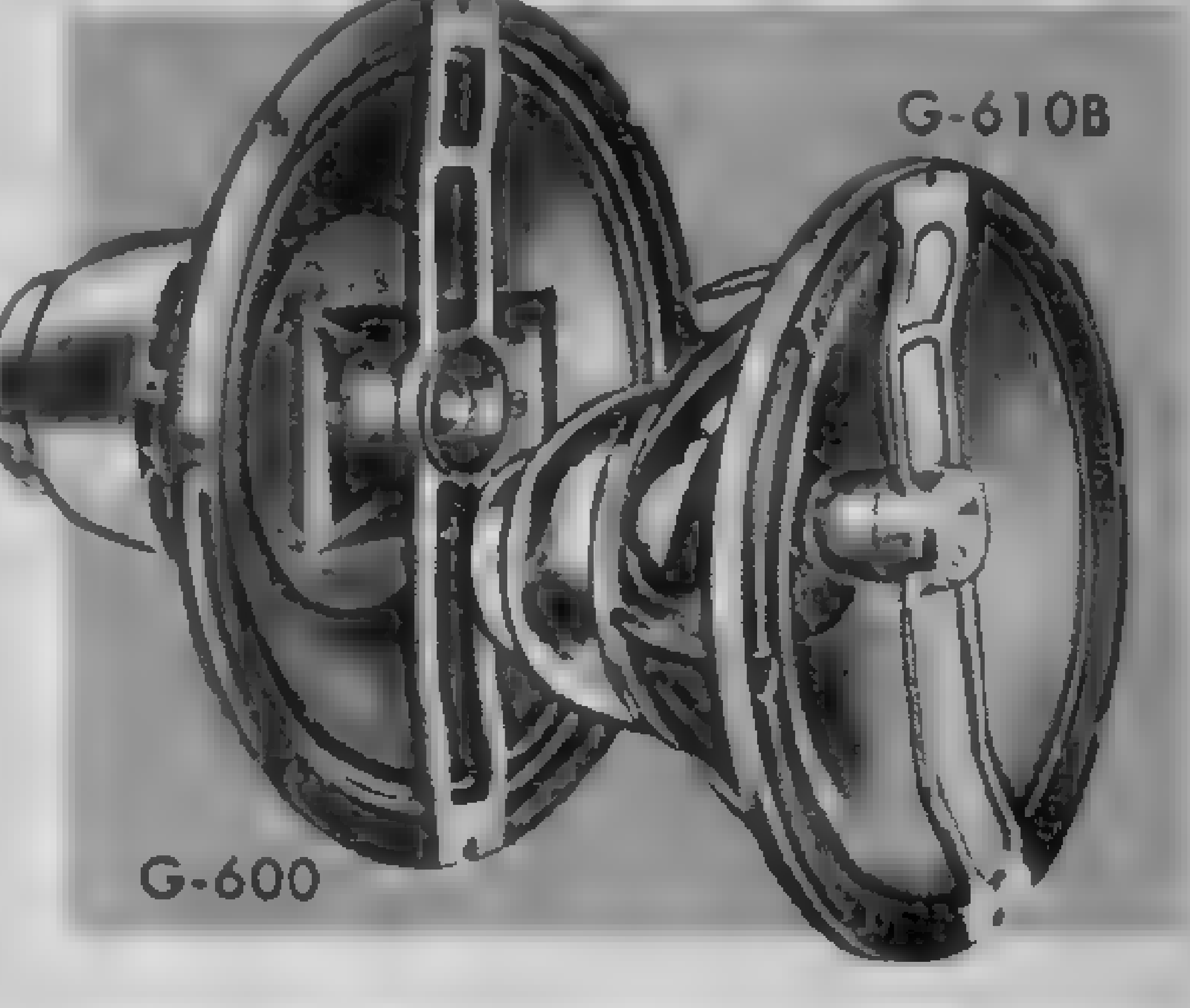
A superb 3-way high-fidelity speaker. Has three elements, electrically and acoustically independent, built into a single unit, each designed for peak performance in its portion of the audio spectrum. Response, 25 cps to beyond audible range. Employs heavy woofer and two compression-driver horn-loaded elements for mid-frequency and high-frequency channels. Includes built-in dual crossover network with wired balance controls for easy adjustment to room acoustics. Crossovers at 600 and 4000 cps. Power capacity, 40 watts. Impedance, 16 ohms. Magnet weight, 6½ lbs. Depth, 10¾". Shpg. wt., 46 lbs.

70 DU 228. *$10 Down.* NET....**252.75**

MODEL G-600 15" TRIAXIAL

Embodying the same operating principles as the G-610B Triaxial speaker, at left, the G-600 is a low-cost version with somewhat lighter construction. Highly efficient woofer employs a 3½ lb. magnet. Frequency response, 30 cps to beyond audible range. Bore-mounted compression driver for mid-frequencies, has separate horn for 900-4000 cps range. Super-tweeter handles the range from 4000 cps through the upper limits of audibility. Complete with built-in dual crossover network with wired balance controls. Power capacity is rated at 35 watts. Impedance, 16 ohms. Depth, 11⁄16". Shpg. wt., 33 lbs.

82 DU 350. *$5 Down.* NET......**134.50**



Coaxial Speakers

MODEL K-210 12" COAXIAL SPEAKER. Economy-priced, 12" coax speaker. Ideal for use as a replacement unit in TV sets and radio consoles employing older, single-cone 12" speakers. Offers the same fine construction as the K-80A listed below, but includes provision for easily adding the ST-946 high-frequency balance control. Features direct-radiator tweeter unit and built-in electrical crossover network. Frequency response, 45 to 14,000 cps. Power capacity, 14 watts. Impedance, 8 ohms. Magnet wt., ½ lb. Shpg. wt., 7 lbs.

82 DX 062. *$2 Down.* NET........**27.50**

MODEL K-80A 8" COAXIAL SPEAKER. New, low-cost coax speaker featuring electrically and acoustically independent woofer and tweeter units. Perfect for use wherever a small hi-fi speaker with excellent performance is needed. Electrical crossover from woofer cone at 3000 cycles, to high-frequency tweeter element. Offers smooth, distortion-free wide-angle high-frequency response. Magnet weight, ½ lb. Power handling capacity, 12 watts. Impedance, 16 ohms. Frequency response, 50 to 14,000 cps. Shpg. wt., 4 lbs.

70 D 540. NET.................. **17.75**

Duax and Unax Speakers

MODEL DX-120 DUAX 2-ELEMENT 12" SPEAKER. Better sound at lower cost—with this budget-priced speaker featuring two carefully coordinated cones, driven by the same voice coil. Both cones operate together up to a "mechanical crossover" at 4000 cps; the smaller high-frequency radiator cone is effective above 4000 cps. This type of speaker attains a wider frequency range than single-cone speakers of the same size. Resonance. 48-50 cps. Frequency response, 40 to 13,000 cps. Power handling capacity, 20 watts. Employs magnet weighing 1-lb. Impedance, 16 ohms. Depth, 7¾". Shpg. wt., 7½ lbs.

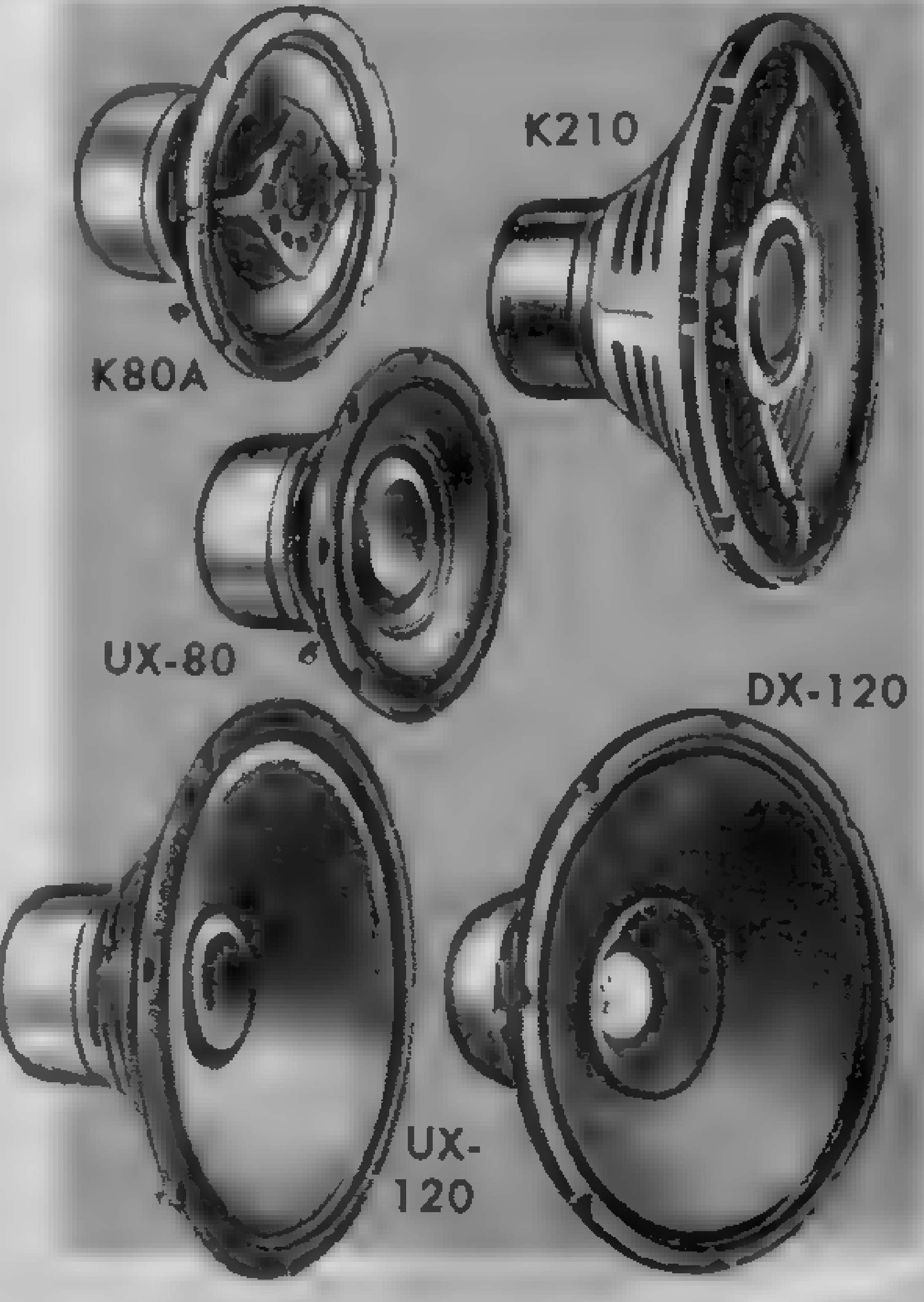
82 DX 355. NET.................**27.50**

MODEL UX-120 UNAX 12" SPEAKER. Extended-range single-cone type. Response, 40 to 12,000 cps. Capacity, 14 watts. Imp., 8 ohms. Has ½-lb. high-efficiency magnet. Shpg. wt., 5½ lbs.

82 DX 358. NET.................**17.95**

MODEL UX-80 UNAX 8" SPEAKER. Extended-range single-cone speaker. Response, 50 to 12,000 cps. Capacity, 12 watts. Imp., 8 ohms. ½-lb. magnet. Shpg. wt., 4 lbs.

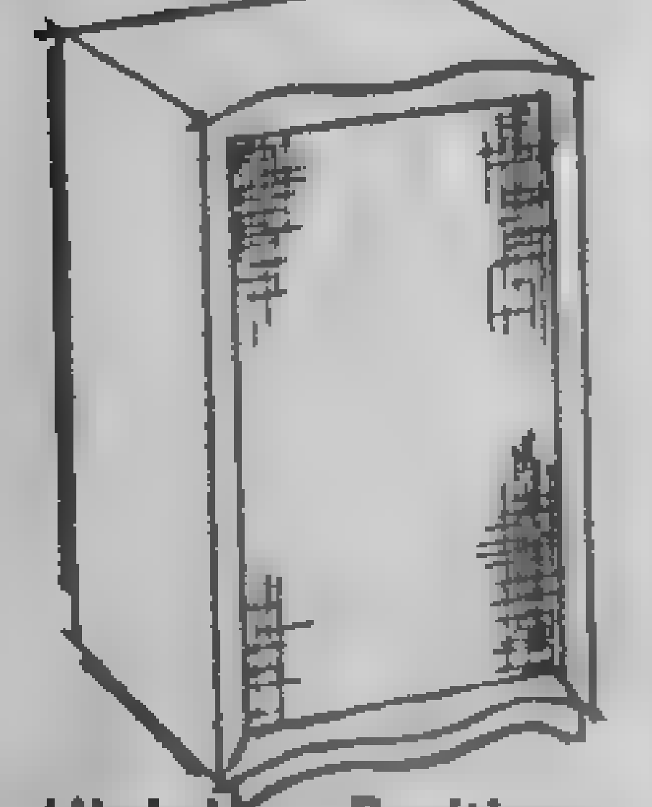
82 D 357. NET.................**14.50**



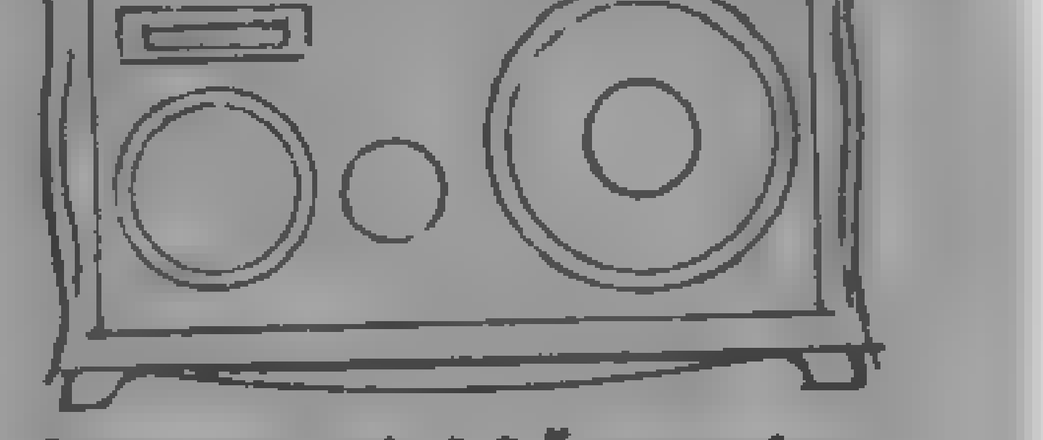
jensen

Thrilling Sound Quality . . . And

Model TR-10



High-boy Position



Consists of 12" woofer, 8" mid-range unit and compression-type tweeter. Frequency Response, 25-15,000 cps.

A beautifully styled, compact speaker system that looks well and performs well in any position. Use it in high-boy or low-boy position; set it on floor, table, shelf, mantle—fits anywhere.

Model TR-10 Speaker System

NET

$119 50

only $5 down

- Complete, Compact-Design, 3-Way Syste
- Handsomely Finished On Four Sides
- Award-Winning Danish-type Styling
- Bass Response Down To 25 cps
- Available With Accessory Base

The renowned "Tri-ette" diminutive speaker system delivers performan of remarkable quality—and its compact dimensions greatly simplify plac ment in rooms of any size. The 12" "Flexair" woofer extends bass respon down to 25 cps; has highly-damped super-low resonance at the very bo tom of the audio range—16-20 cps. Exceptional linearity plus large co movements result in truly superb bass. At 600 cps, a specially-designed mid-range speaker delivers the middle frequencies with smoothness a presence. Its compression-type tweeter reproduces the highs with spa kling clarity from 4000-15,000 cps. Excellent for use in either stereo monophonic music systems, the TR-10 is finished on four sides. It pe forms equally well whether placed in a high-boy or low-boy position.

Its unique "Flair Line" styling has been influenced by the trend to Dani furniture design. Combined with the rich beauty of natural woods a painstakingly crafted finishes, the TR-10 takes its place as a striking attractive furniture piece. Set it on mantle, floor or shelf by itself, or u it with the optional table base (below). Components include: "Flexai 12" woofer, P8-UM mid-range unit, RP-103A tweeter, ST-946 balan control and A-645 crossover. Capacity, 30 watts. Impedance, 16 ohn Size, 13⅞x25x11⅜". **In choice of mahogany, tawny ash or walnut (a available unfinished, below).** Less base, below. Shpg. wt., 40 lbs.

79 DU 333C. *Specify Finish.* **NET**.................... 119.5

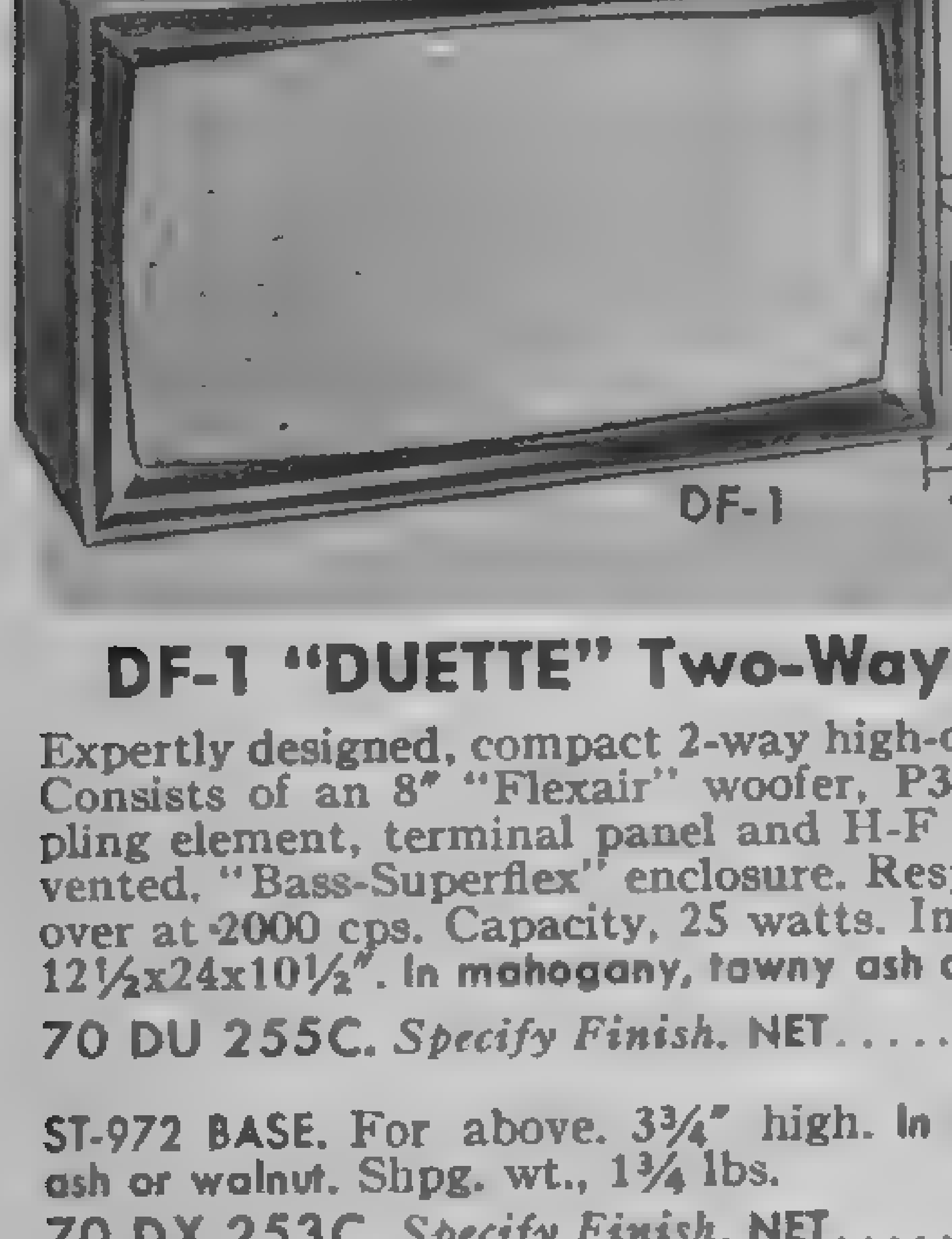
MODEL ST-945 TABLE BASE. Accommodates TR-10 in horizontal positio 2" high. **In choice of mahogany, tawny ash or walnut.** Shpg. wt., 2 lbs.

70 DX 260C. *Specify Finish.* **NET**.................................5.

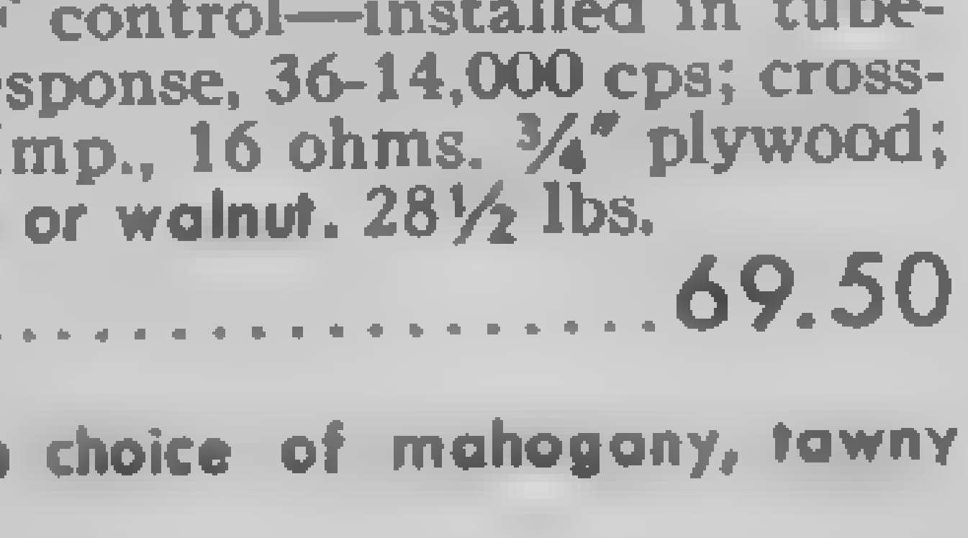
UNFINISHED TR-10U System. Identical to system above, but ready for fin of your own choice. Quality, unfinished hardwood.

70 DU 231. *Only $5 Down.* **NET**.................................94.

Bookshelf-size system in choice of 3 handsome finishes

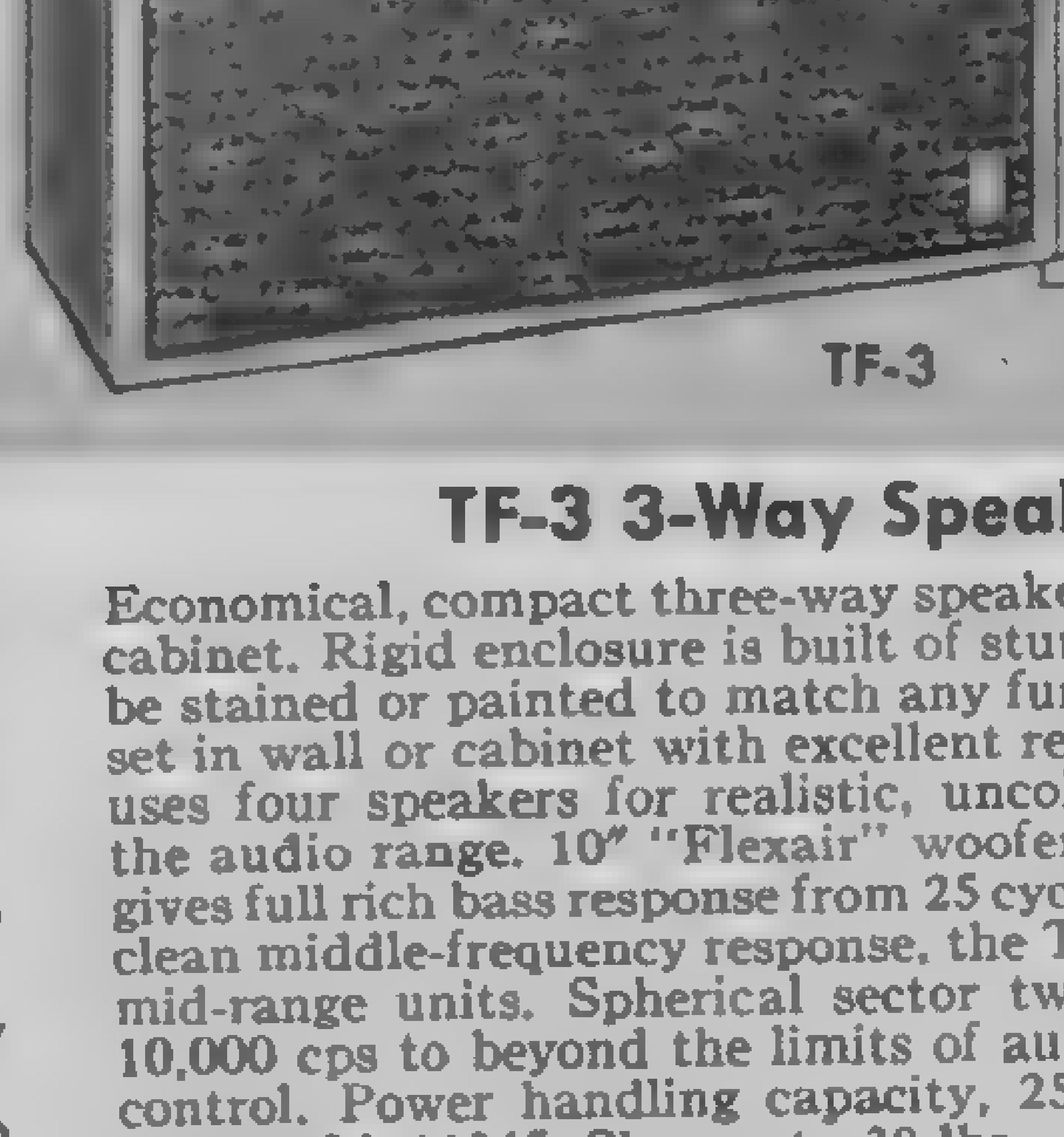


DF-1

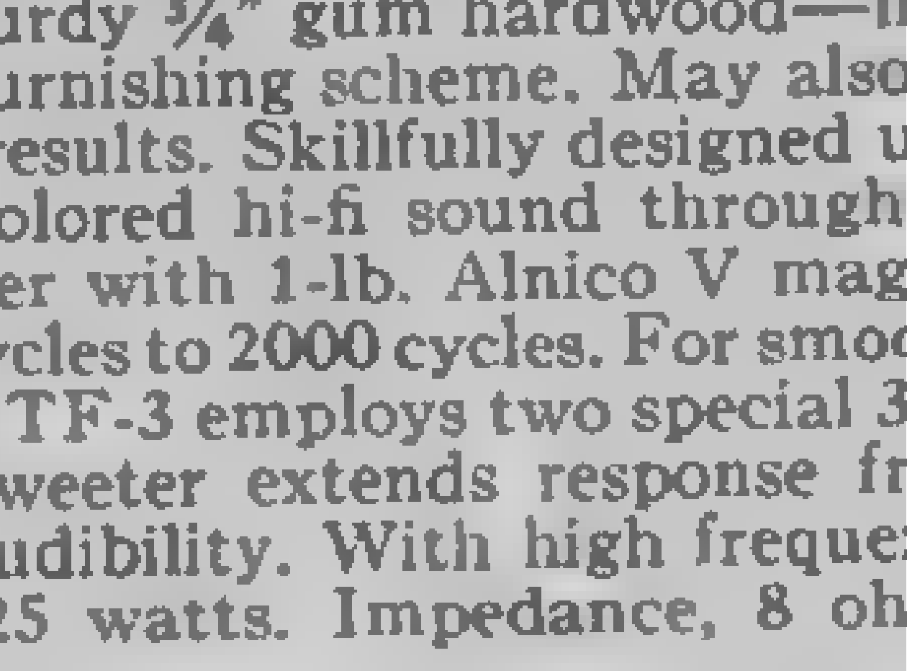


Woofer and Tweeter

3-way system with woofer, 2 mid-range speakers and tweeter.



TF-3



Unfinished only

DF-1 "DUETTE" Two-Way Speaker System

Expertly designed, compact 2-way high-compliance speaker system. Consists of an 8" "Flexair" woofer, P35-VAH 3½" tweeter, coupling element, terminal panel and H-F control—installed in tube-vented, "Bass-Superflex" enclosure. Response, 36-14,000 cps; crossover at 2000 cps. Capacity, 25 watts. Imp., 16 ohms. ¾" plywood; 12½x24x10½". **In mahogany, tawny ash or walnut.** 28½ lbs.

70 DU 255C. *Specify Finish.* **NET**......................69.50

ST-972 BASE. For above. 3¾" high. **In choice of mahogany, tawny ash or walnut.** Shpg. wt., 1¾ lbs.

70 DX 253C. *Specify Finish.* **NET**......................7.50

70 DU 232. Unfinished DF-IU. Fine hardwood. **NET**........59.95

TF-3 3-Way Speaker System

Economical, compact three-way speaker system in unfinished uti cabinet. Rigid enclosure is built of sturdy ¾" gum hardwood—m be stained or painted to match any furnishing scheme. May also set in wall or cabinet with excellent results. Skillfully designed u uses four speakers for realistic, uncolored hi-fi sound through the audio range. 10" "Flexair" woofer with 1-lb. Alnico V mag gives full rich bass response from 25 cycles to 2000 cycles. For smo clean middle-frequency response, the TF-3 employs two special 3 mid-range units. Spherical sector tweeter extends response fr 10,000 cps to beyond the limits of audibility. With high freque control. Power handling capacity, 25 watts. Impedance, 8 oh 13½x23¾x11⅜". Shpg. wt., 38 lbs.

70 DU 635. *Only $5 Down.* **NET**......................79.

JENSEN KT-33 Speaker Components [illegible] Package Offer

NET

[illegible]

Save $4.50 over the cost of the speaker sys components purchased separately. This comp speaker system is ready for installation in cabinet you choose. Included in package is C12-NF 12" woofer that provides full, rich response down to 30 cycles; P8-UM 8" heavy-d direct radiator mid-range unit for smoothness presence in 600-4000 cycle range; RP-103A compression-dr horn-loaded tweeter that produces clear, silvery highs to 15,000 A-645 two channel-type crossover network; plus ST-946 bal control for adjusting volume level of tweeter to match room ac tics. Perfect for moderately-priced stereo music systems. Po handling capacity, 30 watts. Frequency response, 30-15,000 Impedance, 16 ohms. Shpg. wt., 21 lbs.

70 DU 542. *Only $5 Down.* **NET**......................80.

Choose Your Own Music System Featuring Jensen Speakers—Write For Price

. And Deluxe Furniture Styling

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Way System
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ready for finish
94.50

stem with
mid-range
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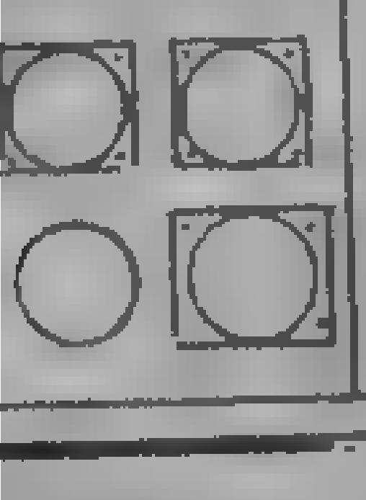

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ST-946 balance
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systems. Power
, 30-15,000 cps
.....80.00

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jensen

Model CN-100 Speaker System

NET **$159.50**

only $5 down

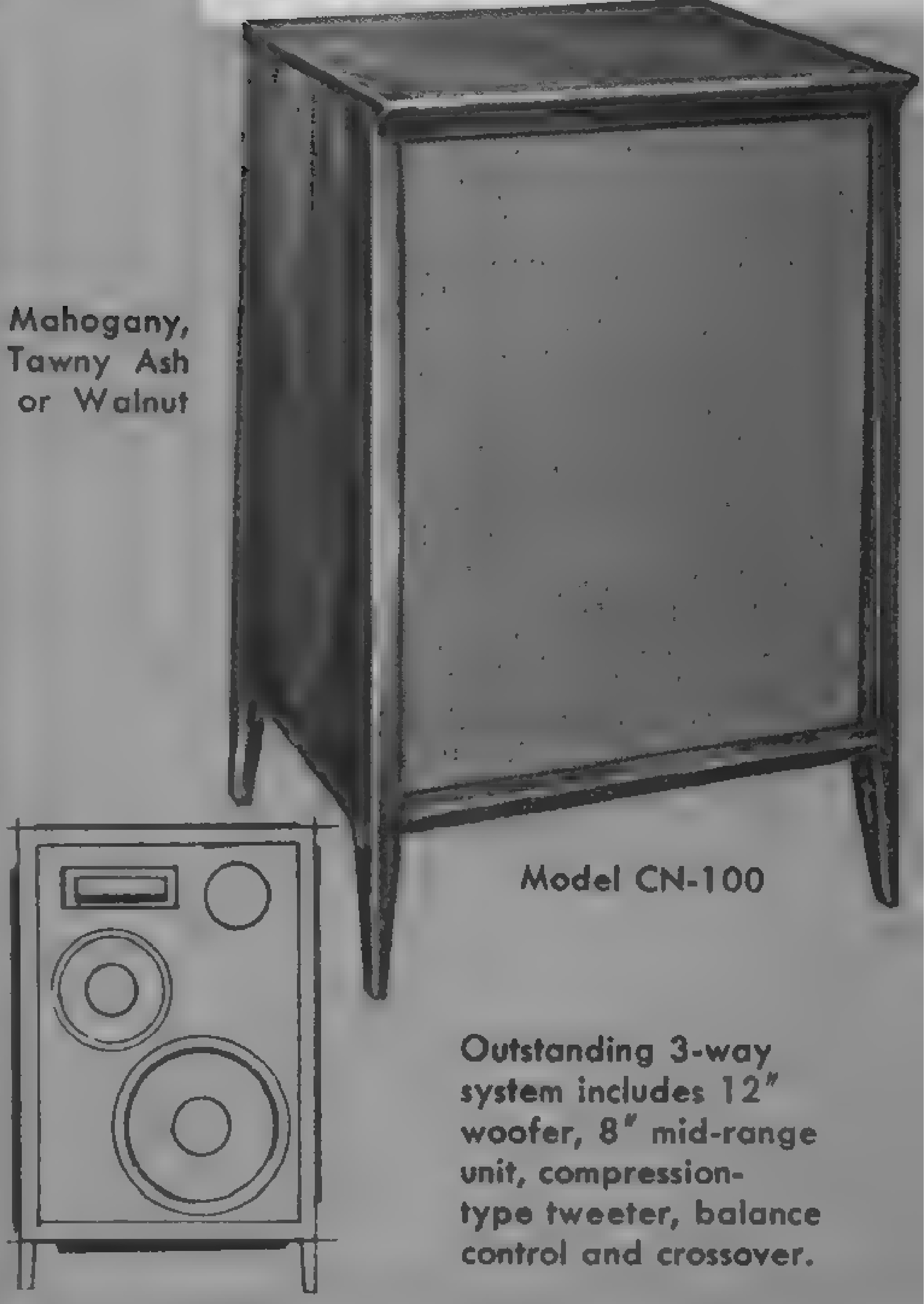
- Smooth Hi-Fi Response from 20-15,000 cps
- Special "Flexair" Woofer Delivers Rich Bass
- Attractive "Flair Line" Styling Fits Any Decor
- Mahogany, Tawny Ash or Walnut Veneers

Elegantly-styled, three-way speaker system for use in deluxe stereo and monophonic music systems. A product of strikingly beautiful contemporary Scandinavian styling, the CN-100 delivers brilliant high-fidelity response from 20-15,000 cps. Its appearance enhances the beauty of any furniture setting. Components employed in this quality system are: "Flexair" 12" woofer, P8-UM 8" mid-range unit, RP-103A compression-type tweeter, ST-946 balance control and A-645 crossover network—installed in the BF-100 "Flair Line" speaker enclosure.

The specially designed "Flexair" woofer, installed in the unique Bass-Superflex enclosure assures rich bass reproduction. Uses 1¾-lb. ceramic magnet; resonant frequency is 20 cps. Mid-frequency unit takes over at 2000 cps. Produces smooth, extremely realistic mid-range up to 4000 cps. Compression-driver horn-loaded tweeter provides excellent dispersion and pure reproduction of the frequencies up to 15,000 cps. Includes balance control for adjusting tweeter volume to match room acoustics.

Power capacity, 30 watts. Cabinet is available in choice of three tasteful finishes. **Available in mahogany, tawny ash or walnut natural wood veneers.** Size, 31½x21x18¼". Impedance, 16 ohms. Shpg. wt., 70 lbs.
70 DZ 261C. *Specify Finish.* NET..........................**159.50**

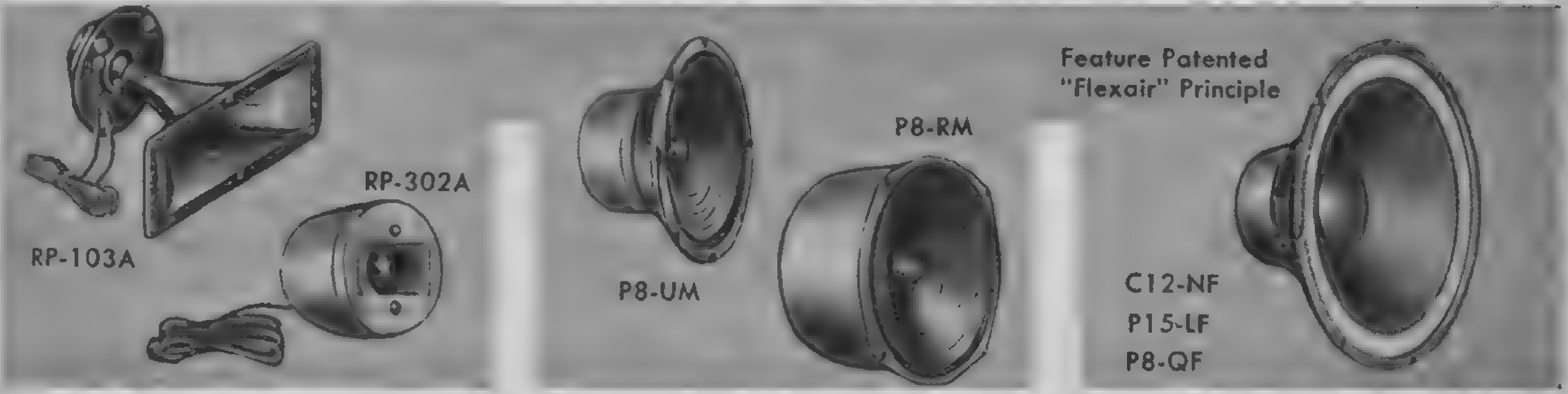
MODEL BF-100 SPEAKER ENCLOSURE. Identical to the enclosure of the CN-100 speaker system, above. Incorporates Bass-Superflex design with tube-loaded port for extended low-frequency response. May be used with any 12" speaker or speaker system. Outstanding contemporary Scandinavian styling goes well with any decorative scheme. Available in three attractive, quality-crafted natural wood veneers—**mahogany, tawny ash or walnut finish.** Shpg. wt., 55 lbs.
70 DZ 262C. *Specify Finish.* NET..........................**79.50**



Mahogany, Tawny Ash or Walnut

Model CN-100

Outstanding 3-way system includes 12" woofer, 8" mid-range unit, compression-type tweeter, balance control and crossover.



Feature Patented "Flexair" Principle

TWEETERS

MODEL RP-103A COMPRESSION TWEETER. For use with 2000 and 4000 cycle crossover networks. 2000 to 15,000 cps. 30 watts. 16 ohms. Die-cast horn flanged for panel mtg.; cutout 2x6". 3x7½x6⁹⁄₁₆". 3 lbs.
79 D 134. NET..........................**16.50**

MODEL RP-302A SUPER TWEETER. Compression-driver, horn-loaded tweeter for the frequency range above 4000 cps to inaudibility. Capacity (with suitable crossover network), 40 watts. Imp., 16 ohms. O.D., 2¾"; 3¾" long. With mtg. plate. Wt., 2¼ lbs.
79 D 135. *$2 Down.* NET..........**35.00**

MID-RANGE

MODEL P8-UM 8" MID-RANGE SPEAKER. A low-cost, 8" direct-radiator, mid-range speaker. For reproducing the 600 to 4000 cps range. Closed housing for isolation. 30 watts. Depth, 4½". 16 ohms. 3 lbs.
79 D 131. NET..........................**7.50**

MODEL P8-RM 8" MID-RANGE SPEAKER. Direct-radiator, mid-range speaker for uniform output in the 200 to 4000 cps range. Employs closed housing for isolation. Capacity, 40 watts. Depth, 5". 16 ohms. Shpg. wt. 3½ lbs.
79 D 132. NET..........................**12.50**

WOOFERS

MODEL C12-NF 12" WOOFER. 20-2000 cps. Resonance, 20 cps. 30 watts. 16 ohms. 1¾-lb. ceramic magnet. 8¾ lbs.
70 DX 541. *$2 Down.* NET..........**42.00**

MODEL P15-LF 15" WOOFER. 16-2000 cps. Resonance, 16 cps. 40 watts. 16 ohms. 3½-lb. magnet. Shpg. wt., 18¼ lbs.
79 DX 129. *$5 Down.* NET..........**69.75**

MODEL P8-QF 8" WOOFER. 36-2000 cps. Resonance, 45 cps. 25 watts. 16 ohms. ¾-lb. magnet. Shpg. wt., 5¼ lbs.
70 D 258. *$2 Down.* NET..........**22.50**

CROSSOVERS AND BALANCE CONTROLS

MODEL A-61 CROSSOVER NETWORK. Two-channel, 600-cycle type. Capacity, 40 watts. Impedance, 16 ohms. Size, 5¼x6¾x4¾". Shpg. wt., 5¼ lbs.
32 D 373. *$2 Down.* NET..........**19.75**

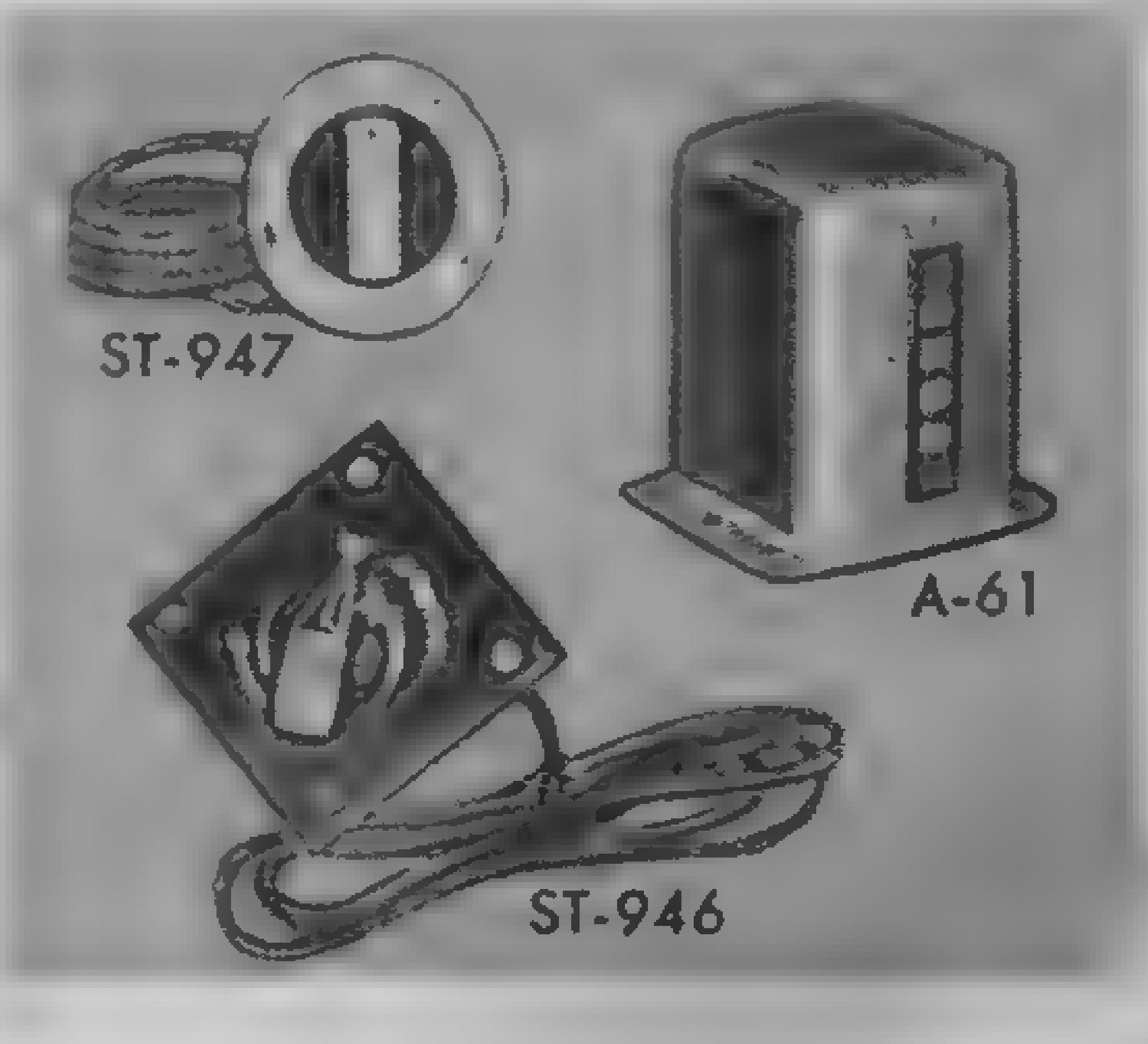
MODEL A-204 CROSSOVER NETWORK. Two-channel, 2000-cycle type. 180° constant-resistance type. Impedance, 16 ohms. 4⅜x3½x3¼". Shpg. wt., 2¼ lbs.
32 D 374. NET..........................**13.00**

MODEL A-402 CROSSOVER NETWORK. Two-channel, 600-cycle type as above, but crossover point is 4000 cps. Shpg. wt., 3 lbs.
32 D 375. NET..........................**10.90**

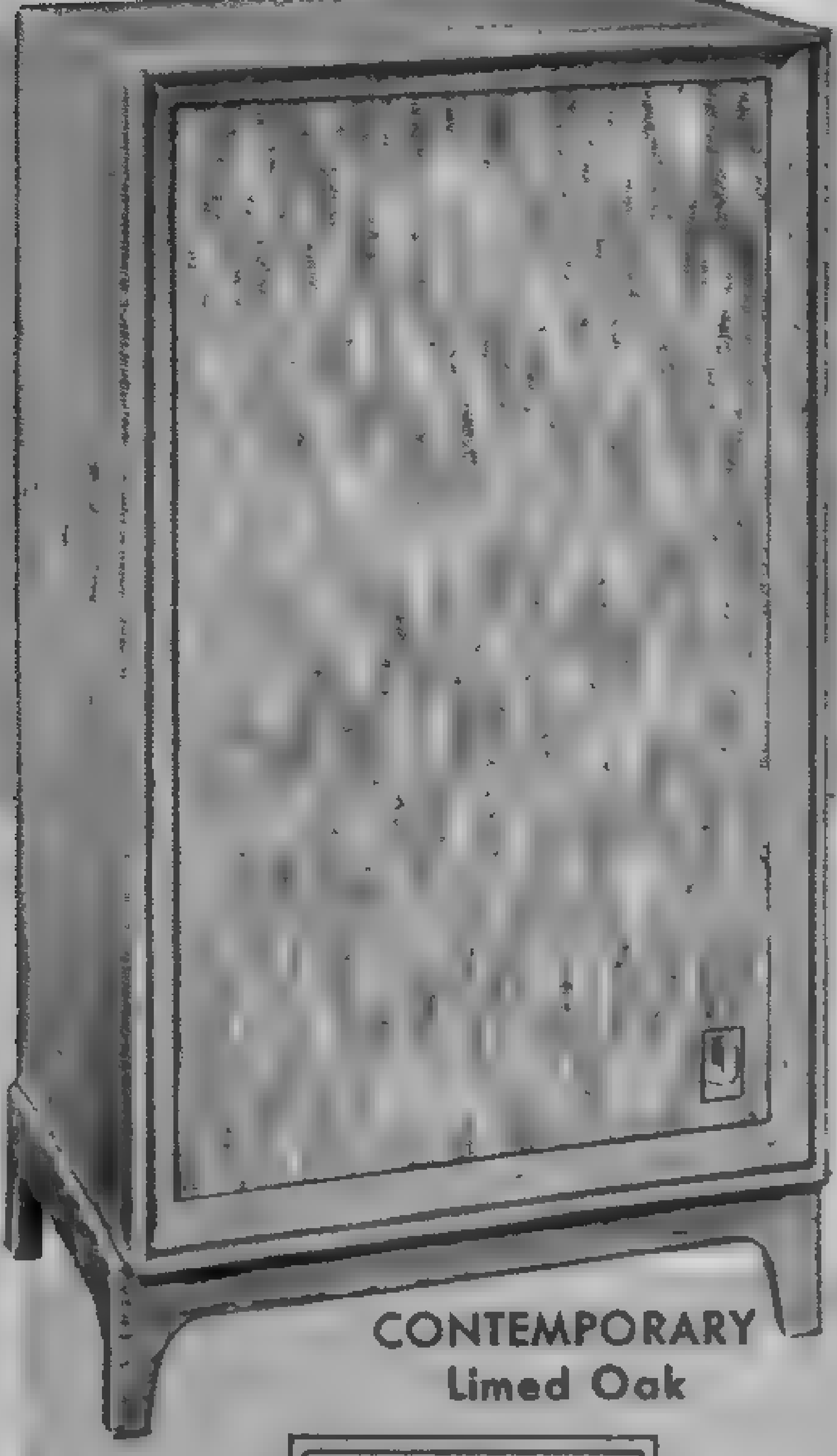
BALANCE CONTROLS. Adjustable, wire-wound L-pads, with bar knob and metal escutcheon plate. Mount in 1¹¹⁄₁₆" hole. Have 36" leads. Impedance, 16 ohms. Shpg. wt., 12 oz.

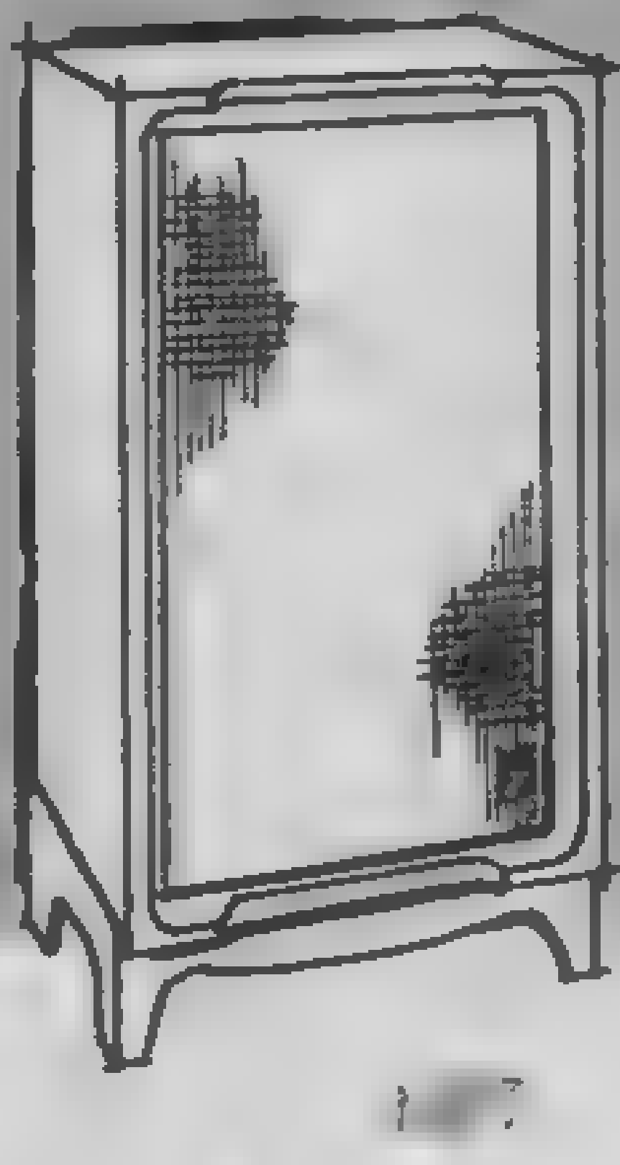
MODEL ST-947. For tweeter or mid-frequency unit level adjustment in 2, 3 and 4-way high fidelity speaker systems rated up to 40 watts power handling capacity.
79 D 137. NET..........................**4.50**

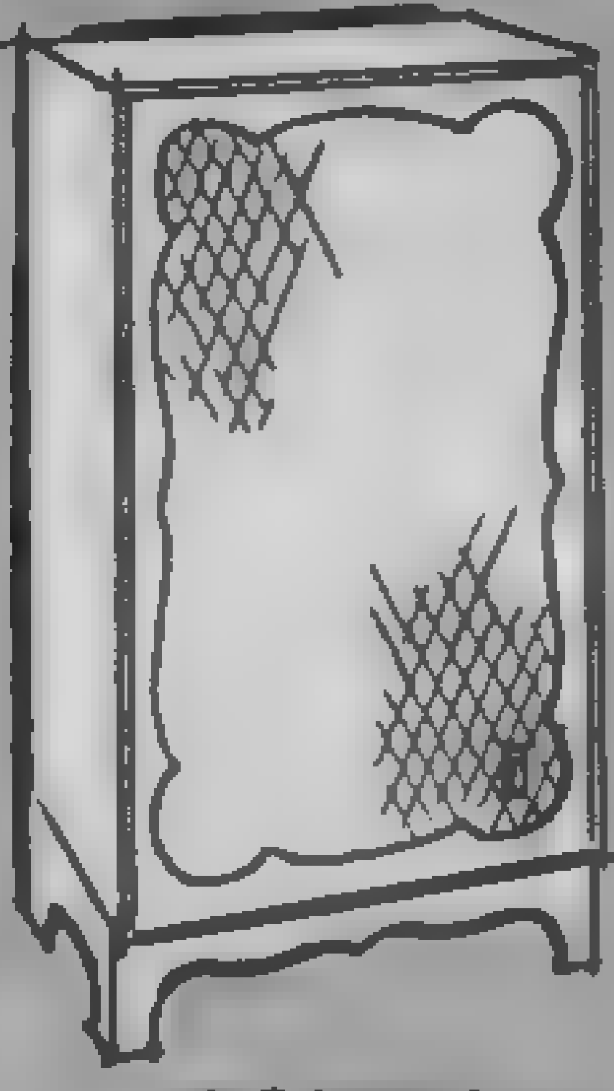
MODEL ST-946. For adjusting output of tweeter in 2 and 3-way systems with power rating up to 30 watts.
79 D 136. NET..........................**3.50**

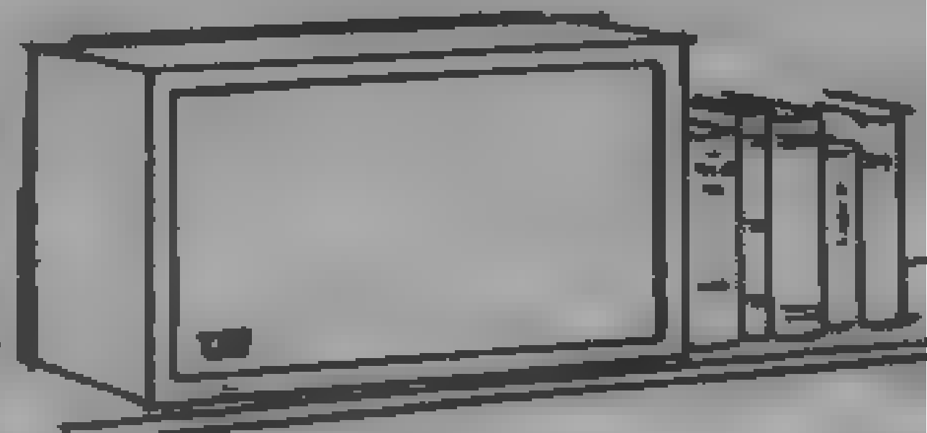


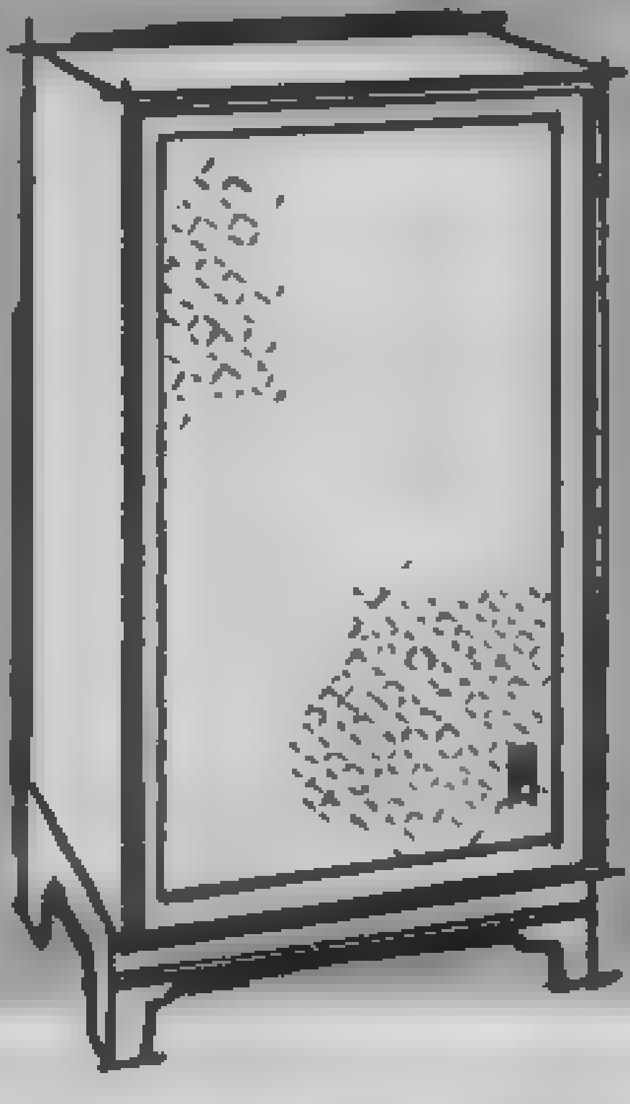
"Decorator Group" Speaker Systems


CONTEMPORARY
Limed Oak


DANISH
Walnut

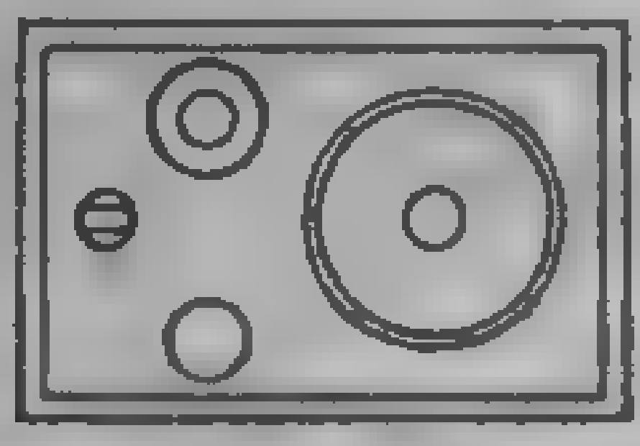

PROVINCIAL
Cherry


Can Be Used
Horizontally
Without Base


TRADITIONAL Mahogan

TRi-ette*

**Styled to enhance
any decorative setting
"Decorator Group"
speaker systems are o
outstanding hi-fi value**



Each of these superb speaker systems includes a 12" "Flexair" woofer, compression-type mid-range speaker and high-frequency super-tweeter.

NET

$159 50

**MODEL TR-30 CONTEMPORARY—LIMED OAK 3-WAY SPEAKER S
TEM.** Jensen's finest compact speaker system embodying inspi
styling coupled with the latest advances in acoustics. Decorat
styled for outstanding versatility, the TR-30 delivers rich,
response across the audio spectrum in any placement. Place it
a bookshelf, mantel, table, or floor (optional base, below, give
a "consolette" appearance); position it on its side or end to
your room layout. Attractively finished on four sides. Outstanding cabinet craftsmans
allows the TR-30 to take its place among the finest furniture. Advanced design, 12" "Fl
air" woofer delivers deep bass with great clarity—down to 20 cps. Compression-type m
range unit operates between 900 and 6000 cps for smooth, realistic middle frequency
sponse. Compression-type super-tweeter takes over at 6000 cps to deliver clean, sparkl
highs—extends response to inaudibility. Two controls are rear-mounted on cabinet. C
allows adjusting mid-range presence; the other allows adjusting high-frequency brillian
Capacity, 30 watts. High-powered amplifier not required; produces full volume with
watts. Impedance, 8 ohms. 16¼x25½x11⅜". Shpg. wt., 50 lbs.
70 DU 636. *Only $5 Down.* NET..159.

LIMED OAK BASE. For vertical placement of TR-30 above. Shpg. wt., 2 lbs.
70 DU 641. NET....................9.95

TR-30 DANISH—WALNUT. Identical to unit above with Scandinavian styling, walnut veneer.
70 DU 637. *$5 Down.* NET......159.50

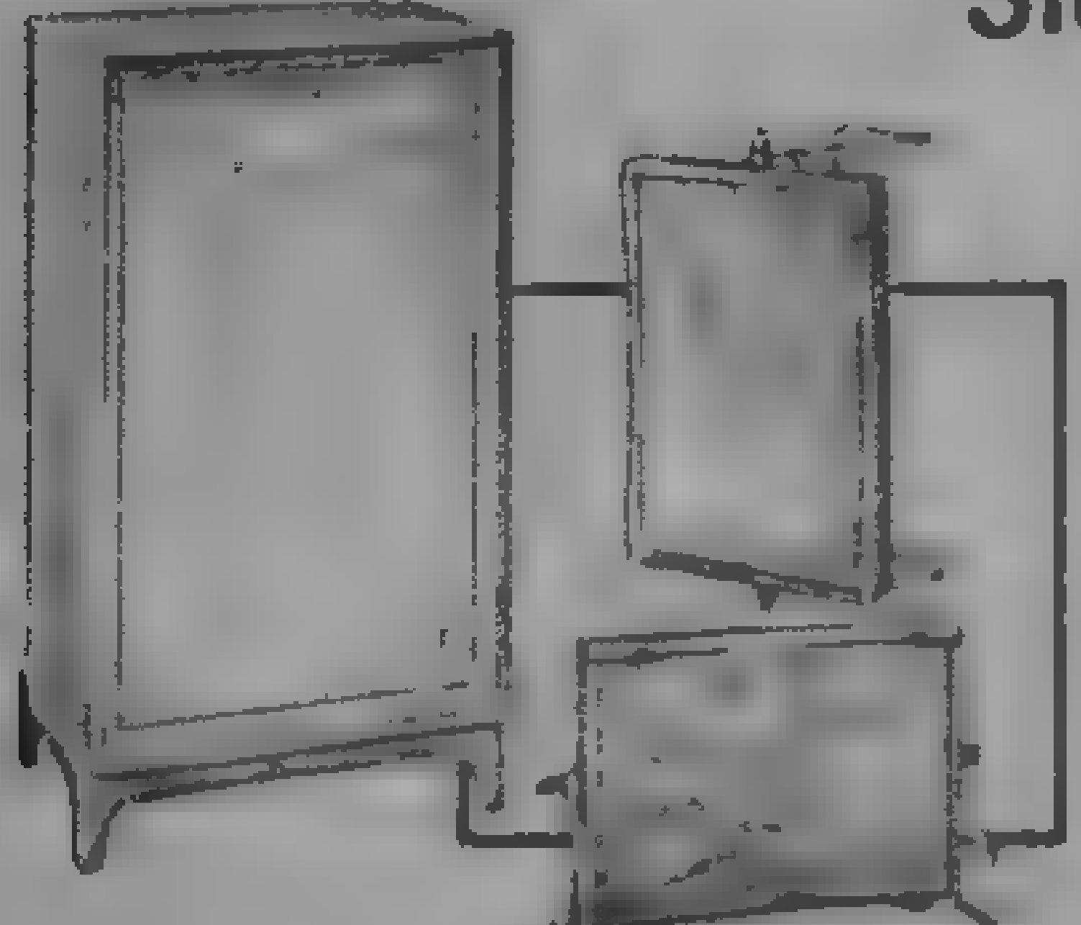
WALNUT BASE. For use with above.
70 DU 642. NET....................9.95

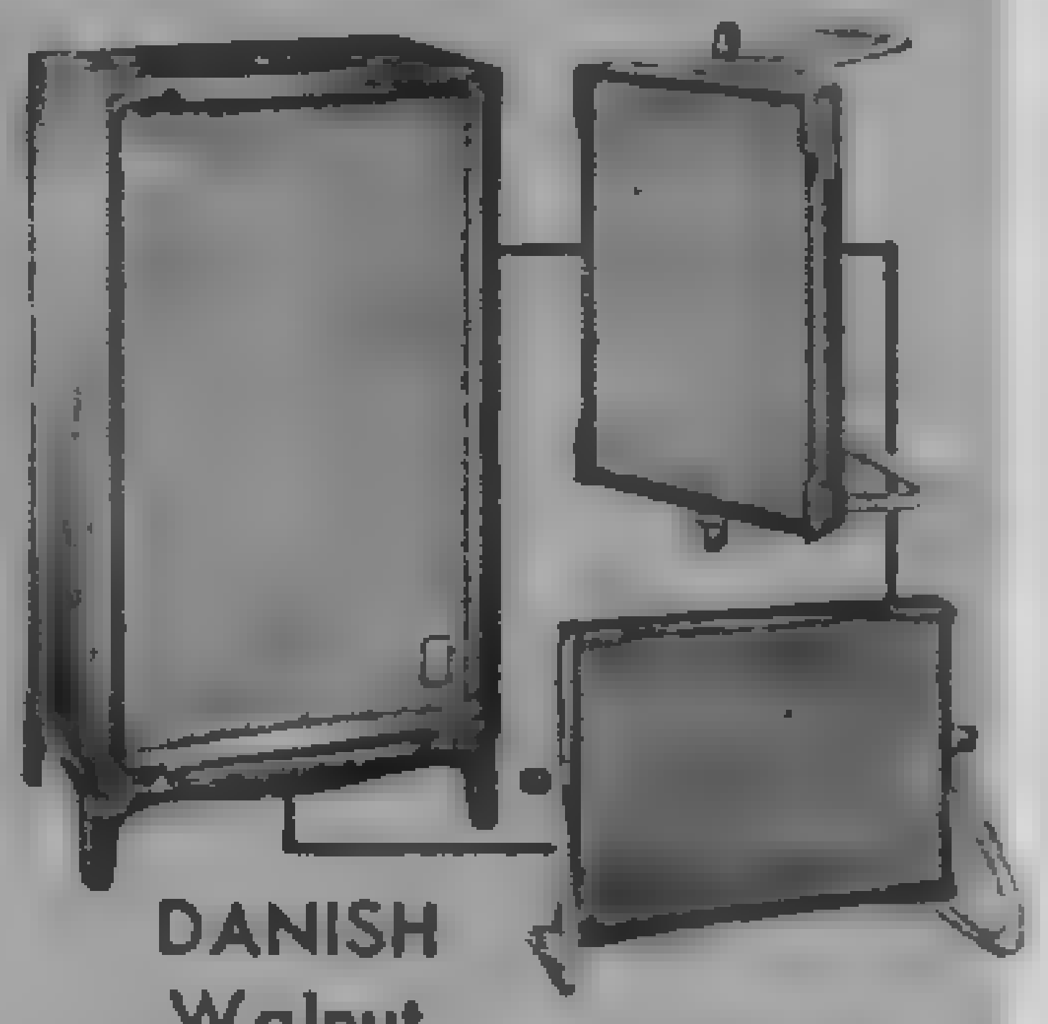
TR-30 PROVINCIAL—CHERRY. Identical
above, but for period settings.
70 DU 638. *$5 Down.* NET......159.
70 DU 643. Cherry Base............9.

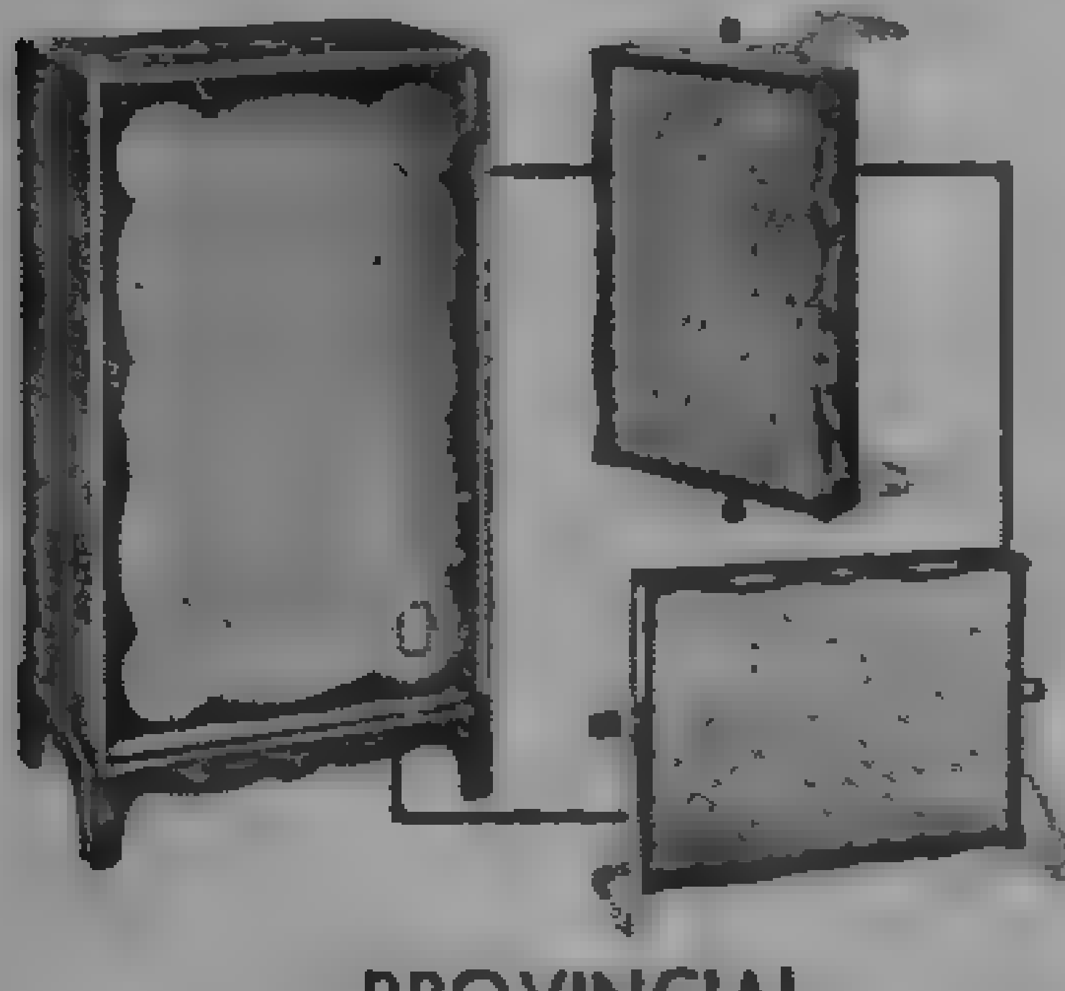
TR-30 TRADITIONAL—MAHOGANY. Cla
styling.
70 DU 639. *$5 Down.* NET......159.
70 DU 644. Mahogany Base. NET....9.
70 DU 640. TR-30U Unfinished. NET 134.

GALAXY*III

Stereo Speakers

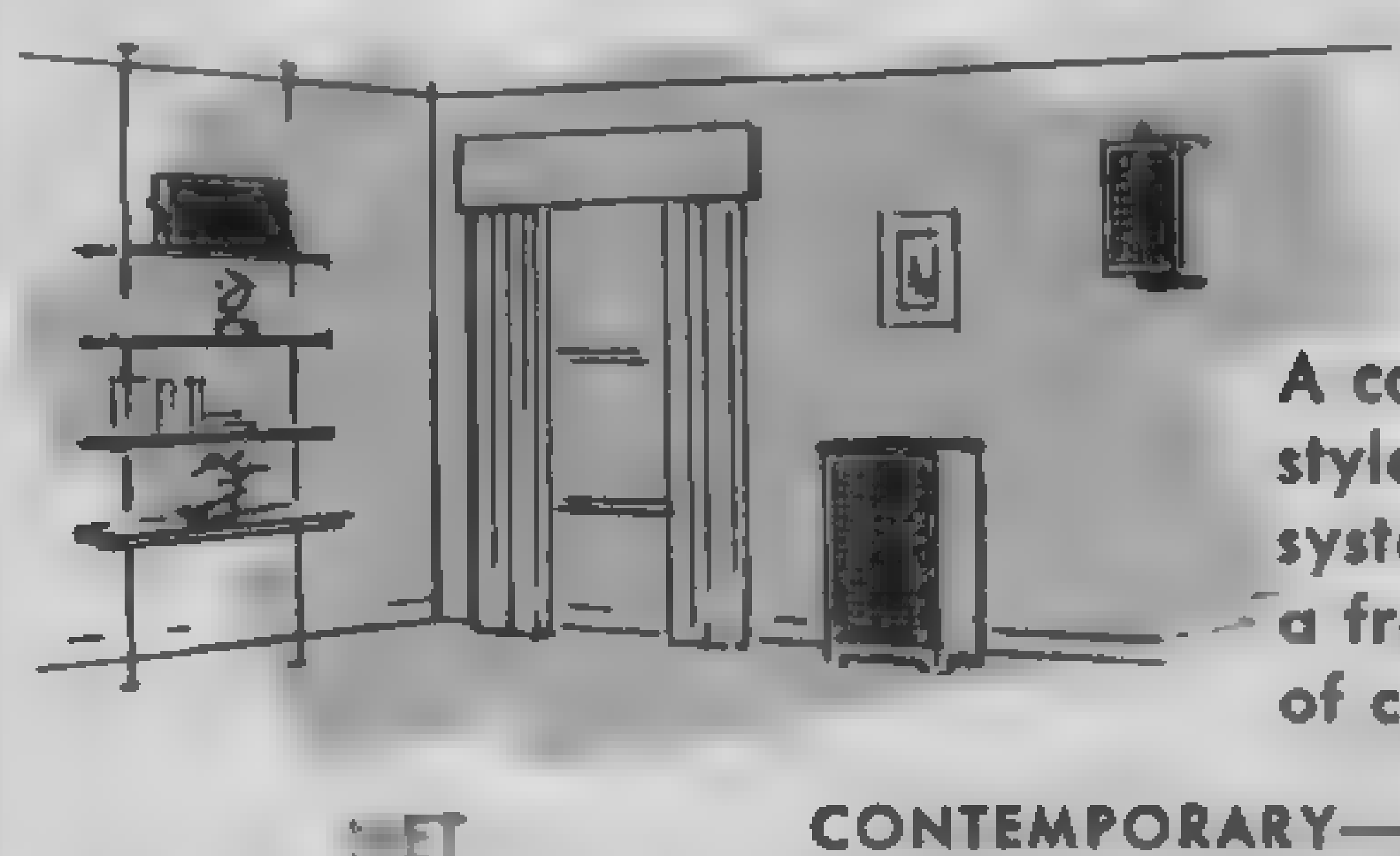

CONTEMPORARY
Limed Oak


DANISH
Walnut


PROVINCIAL
Cherry

TRADITIONAL
Mahogany

Model GS-3 Stereo Speaker System



**A compact, elegantly
styled stereo speaker
system. Occupies only
a fraction of the space
of conventional system**

NET

$229 50

CONTEMPORARY—LIMED OAK. Comp
stereo speaker system employing a sh
size, bass center unit and two match
Satellites—plus two 20-ft. connecting co
and plugs, swivel yokes, mounting brack
and hardware. Center unit is same size
style as TR-30 above; Satellite units match design. Center
contains 12" "Flexair" woofer with 20-350 cps range. Each Sa
lite unit contains a special elliptical mid-range speaker for the 3
4000 cps range and a compression super-tweeter that extends
high-frequency response to the limits of audibility.

Satellites may be mounted on walls like "pin-up" lamps—or pla
on horizontal surfaces wherever convenient. Center unit preve
"hole in the middle" so that Satellites may be placed anywhere fr
8 to 20 ft. apart without affecting stereo response. Center unit n
not be perfectly centered. Size: Center Unit, 16¼x25½x11
"Satellites", 11½x7⅞x1⅝". Impedance, 8 ohms. (Base for TR
above fits center unit.) 60 lbs.
70 DZ 645. *Only $10 Down.* NET.........................229.

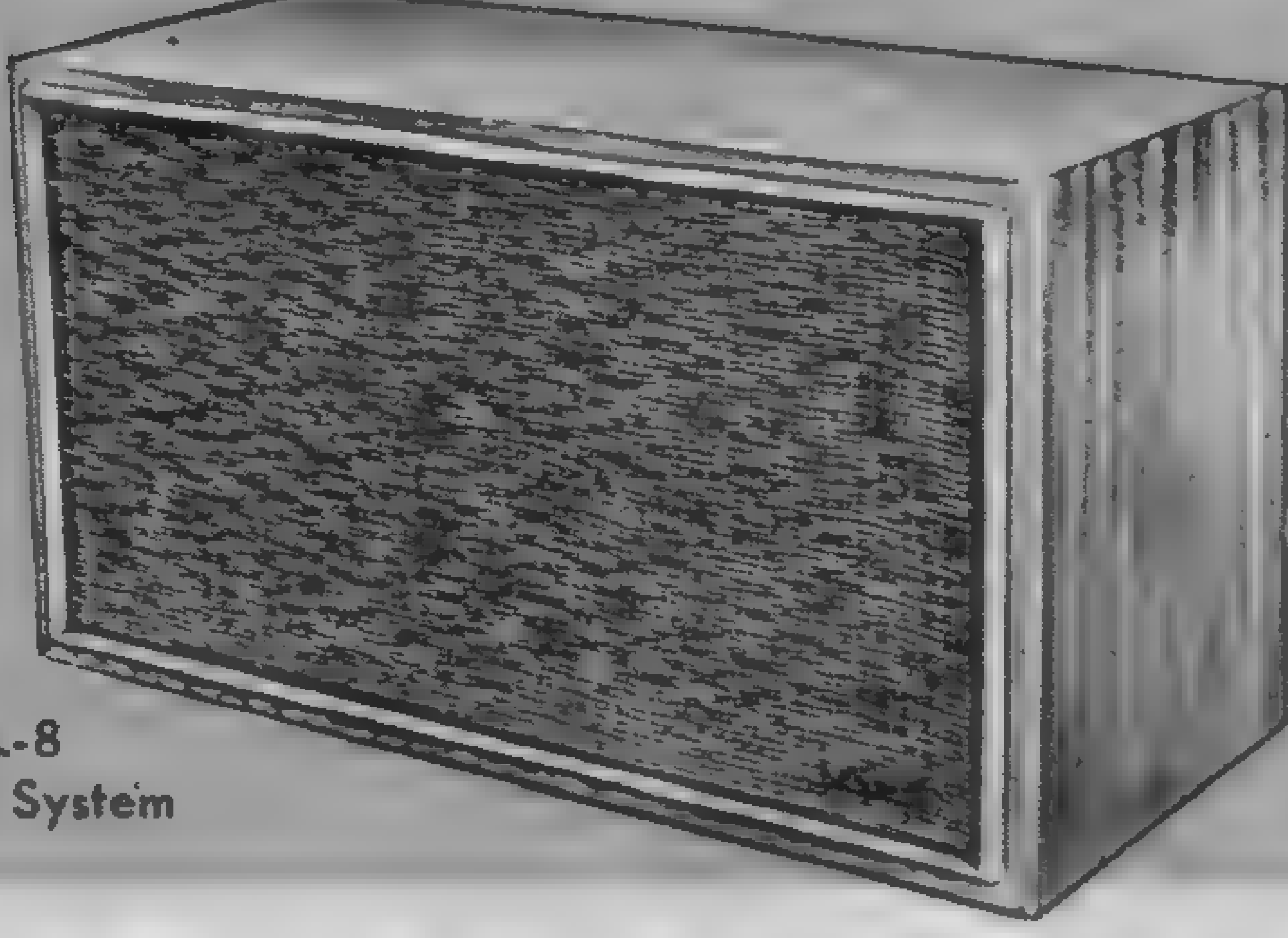
70 DZ 646. GS-3 Danish—Walnut. *$10 Down.* NET....229.50
70 DZ 647. GS-3 Provincial—Cherry. *$10 Down.* NET. 229.50

70 DU 648. GS-3 Traditiona
Mahogany *$10 Down.*...229
70 DZ 649. GS-3U Utility—
finished. *$5 Down.* NET. 195

GALAXY II STEREO SPEAKER SYSTEM. (Not Illus.) Economy vers
of GS-3. Center unit employs 8" woofer; each Satellite employs
mid-range speaker and 3½" tweeter. Satellites are 11½x7½x6
Center unit is 12½x24x11⅛". Capacity, 25 watts. Impedance,
ohms. **In mahogany, tawny ash or walnut.** Shpg. wt., 47¾ lbs.
70 DZ 252C. *Specify Finish.* NET.........................169.
70 DX 253C. Wood Base For Center Unit. 1¾ lbs............7.

Compact Speaker Systems

University



RRL-8
3-Way System

S-80
2-Way System

Radiation Resistance Loaded, 3-Way System

As Low As
$93.59
$5 down

MODEL RRL-8. Here's a beautifully styled, high-compliance speaker system, employing some of University's latest components. Tastefully designed, the cabinet features a molded front edging with matching grille cloth—suitable for installation in any room. Superb quality of sound matches the elegant appearance of the RRL-8. Components include: 8" high-compliance woofer with ultra-linear response; two 3½" direct radiator tweeters; L-C type crossover network (crossover point, 2500 cps); and variable brilliance control. ¾" hardwood enclosure features radiation resistance loading and tubed port for clean, full bass response to below 40 cps. Highboy, lowboy or bookshelf installation. Available finished or unfinished. Veneered models are finished on all 4 sides. Capacity, 30 watts. Impedance: 8-16 ohms. 12x22¼x10 5/16". Shpg. wt., 28 lbs.

70 DU 240. Mahogany. *Only $5 Down.* NET.............. 97.51
70 DU 242. Limed Oak. **70 DU 241.** Walnut. NET EACH..100.45
70 DU 243. Unfinished *Only $5 Down.* NET 93.59

Radiation Resistance Loaded, 3-Way System

As Low As
$117.55
$5 down

MODEL RRL-12. Full range performance from this attractively styled, compact speaker system. The RRL-12 accomplishes unusual breadth, depth and clarity of sound with its custom-designed components and enclosure. Perfect for use in pairs in stereo systems, or for a high-performance monophonic music system. Also makes a fine "add on" speaker system for use with any hi-fi system for realization of full-dimensional stereo sound. Its compact size is adaptable to any installation—finished on all 4 sides for lowboy or highboy use, bookshelf, mantel, etc. ¾" hardwood, fine furniture veneers and classic simplicity of lines allow the RRL-12 to harmonize with traditional or contemporary decors. Components in the special-design, radiation resistance loaded enclosure include: 12" ultra-linear response, high-compliance woofer; 3½" direct-radiator speaker; "Sphericon" super-tweeter; L-C type crossover network and variable brilliance control. Power handling capacity, 40 watts. Response from 35 cps to inaudibility. Impedance: 8-16 ohms. Size, 13⅝" high, 25" wide, 12½" deep. Shpg. wt., 38½ lbs.

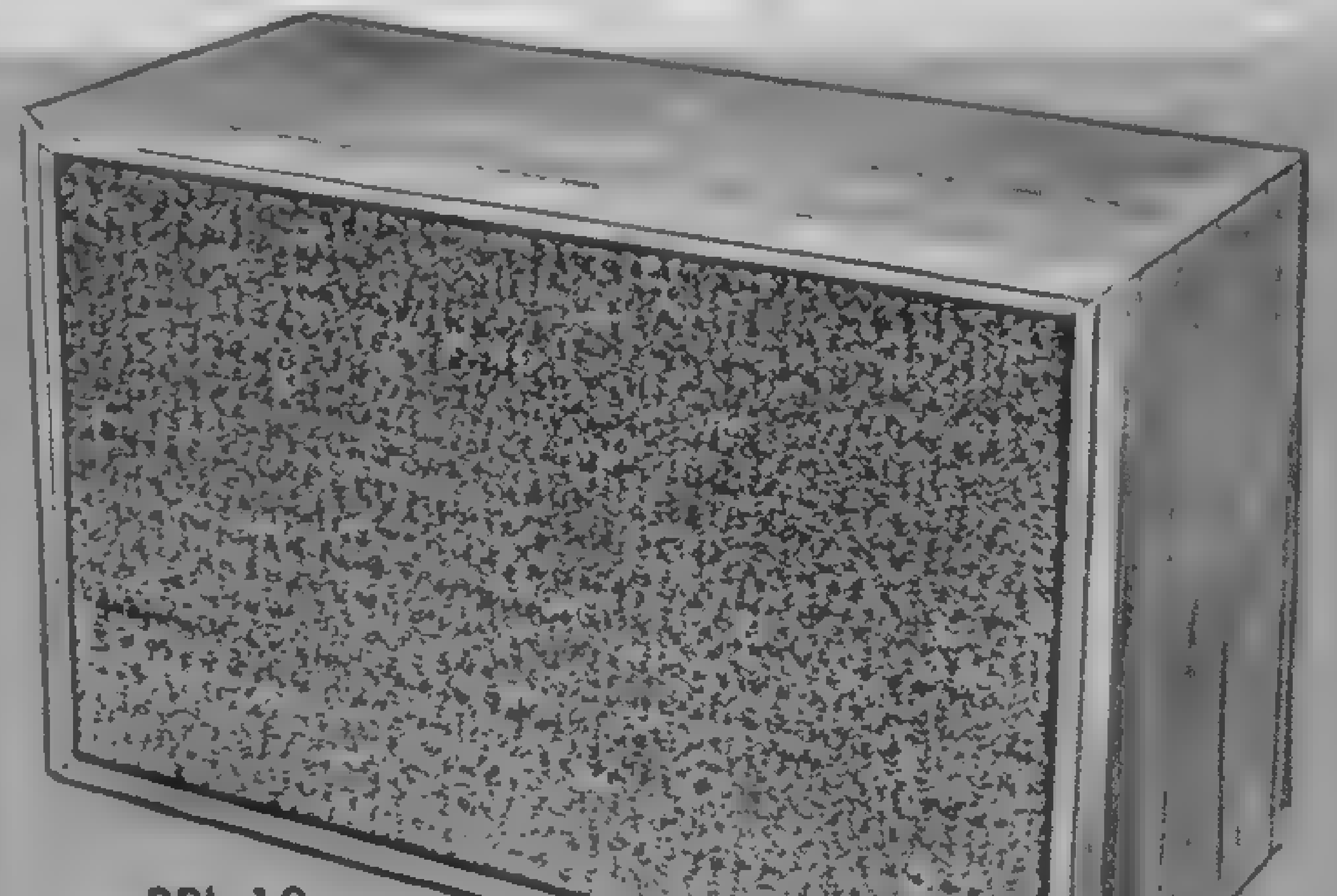
70 DU 244. Mahogany. *Only $5 Down.* NET..............117.55
70 DU 246. Limed Oak. *Only $5 Down.* NET..............121.47
70 DU 245. Walnut. *Only $5 Down.* NET..................121.47

2-Way, High-Efficiency Speaker System

As Low As
$55.81
$5 down

MODEL S-80. Compact, modestly priced hi-fi speaker system. Offers excellent wide-range response—perfect for use in monophonic or stereo music system applications. The small size of the S-80 makes it ideal for bookshelf installation, and since it is finished on all four sides, it can be used in a wide variety of upright or horizontal installations. Selected University components include: C-8W 8" woofer; 3½" direct-radiator tweeter; and L-C type crossover network (crossover point, 2500 cps). Enclosure employs ported phase-inverter principle for clean, smooth bass response. ½" wood panels for sturdiness without distortion-causing resonances. Power handling capacity, 25 watts. Impedance: 8-16 ohms. Styling is simple and neat—harmonizes beautifully with any room interior. Size, 11½" high, 21¾" wide, 9¼" deep. Shpg. wt., 17 lbs.

70 DU 237. Mahogany. *Only $5 Down.* NET............. 58.75
70 DU 238. Walnut. *Only $5 Down.* NET................ 58.75
70 DU 239. Unfinished. *Only $5 Down.* NET.......... 55.81



RRL-12
3-Way System

MEDALLION XII WITH EXCLUSIVE "SELECT-A-STYLE" GRILLES

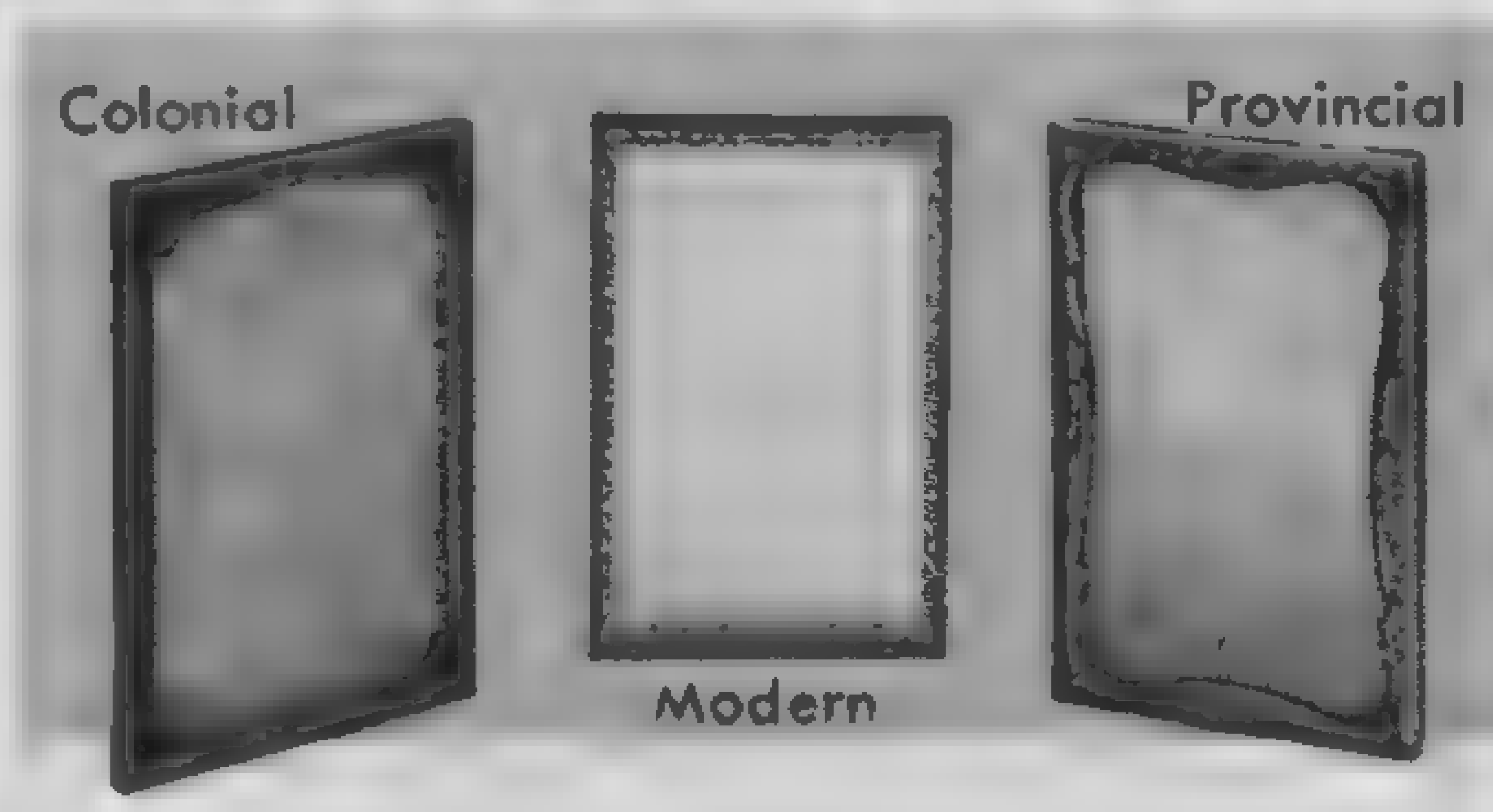
- **Has 12", 8" Speakers & Tweeter**
- **Quickly Converts to Any Styling**
- **Fine Fruitwood Veneer Finish**

Introducing the Medallion XII—University's dramatically new 3-way high-fidelity speaker system in attractive fruitwood finished cabinet. Features unique "select-a-style" grilles—quickly and easily converts to any desired furniture setting by snapping on any of three speaker grilles (listed at right, below). It's an excellent choice for the hi-fi enthusiast seeking full-dimensional sound plus flexibility of decor.

Speaker components include: 12" high-compliance woofer, 8" mid-range unit (covers 500 to 3000 cycles), and the "Sphericon" super-tweeter (with a range to 40,000 cps). Ultra-linear frequency response from 28 to 22,000 cycles. Brilliance and presence controls permit setting to acoustics of room.

Cabinet is beautifully finished on four sides in hand-rubbed veneers. 24x17x12½". Less base and "select-a-style" grille, right. Shpg. wt., 40 lbs. *Only $5 Down.*

70 DU 650. Fruitwood Only. NET..137.15



"SELECT-A-STYLE" GRILLES. Assembled, fruitwood finished frames that easily snap on Medallion XII cabinet. Available in three popular styles to suit any motif. Shpg. wt., 3 lbs.

70 DU 653. MXII Colonial. NET...........14.65
70 DU 651. MXII Modern. NET............ 9.75
70 DU 652. MXII Provincial. NET..........14.65

MXII BASE. Attractive, fruitwood finished base for use with Medallion XII speaker system listed at left. Shpg. wt., 3 lbs.

70 DU 654. NET........................14.65

Medallion XII
3-Way Hi-Fi
Speaker System

Choose Your Own Music System Featuring University Components—Write for Price

University 'Listener-Approved' Loudspeakers

SERIES 200

A host of specially designed features distinguish this deluxe series. Each speaker is carefully assembled by hand—using only the finest materials. Result is response of unusual clarity.

315-C 3-WAY SPEAKER

3-way, 15" diffaxial speaker—leader of the "200 series". The greatly improved version of earlier 315—one of the finest 3-way speakers available. Large, theater-type woofer cone features high excursion, dual-spider piston and anti-breakup, low-resonance diaphragm, for rich natural bass. Multi-element Diffusicone mid-range section, crosses over at 1000 cps. Treble is covered by heavy-duty T-50 Hypersonic driver and axially mounted, reciprocating flare wide-angle tweeter horn. Provides exceptionally uniform sound distribution throughout the entire audio range. Response is 25 cps to inaudibility. 2 balance controls for mid-range and treble adjustment. Magnet wt., 6½ lbs. Power handling capacity, 50 watts. Impedance, 8-16 ohms. 12" deep. Shpg. wt., 34½ lbs.
70 DU 536. *$5 Down.* NET......**152.88**

312 3-WAY SPEAKER

Brilliant, 12" Diffaxial speaker for unexcelled, wide-range reproduction. Contains patented, multi-element "diffusicone" for full-bodied mid range; center-mounted tweeter for clean, bright highs. Tweeter has its own specially constructed baffle that prevents acoustic interaction between tweeter and woofer. Has built-in LC crossover network and adjustable brilliance control. Response, 28-40,000 cps. Capacity, 35 watts. Impedance, 8-16 ohms. 6⅝" deep. Shpg. wt., 10¼ lbs.
70 DU 537. *$5 Down.* NET........**71.54**

308 3-WAY SPEAKER

Compact, highly efficient 8" Diffaxial speaker. Designed specifically for the smaller hi-fi installation. Features special design 8" woofer with extra-large voice coil for excellent bass response. Multi-element diffusicone mid-range unit, compression-type tweeter and built-in 5000 cps crossover. True-axial construction; tweeter is projected through center of woofer. Response, 30-17,000 cps. Power handling capacity, 35 watts. Impedance 8-16 ohms. Depth, 6⅛". Shpg. wt., 7 lbs.
70 D 505. *$2 Down.* NET..........**41.16**

DIFFUSICONE 8 SPEAKER

Low-cost, 2-way 8" Diffaxial speaker. Wide-angle dispersion is achieved by a dual horn radial projector, plus aperture diffraction. Frequency response, 30-15,000 cps. Power handling capacity, 35 watts. Impedance, 8-16 ohms. Depth, 4$\frac{5}{16}$". Wt., 4 lbs.
70 D 504. *$2 Down.* NET.........**27.44**

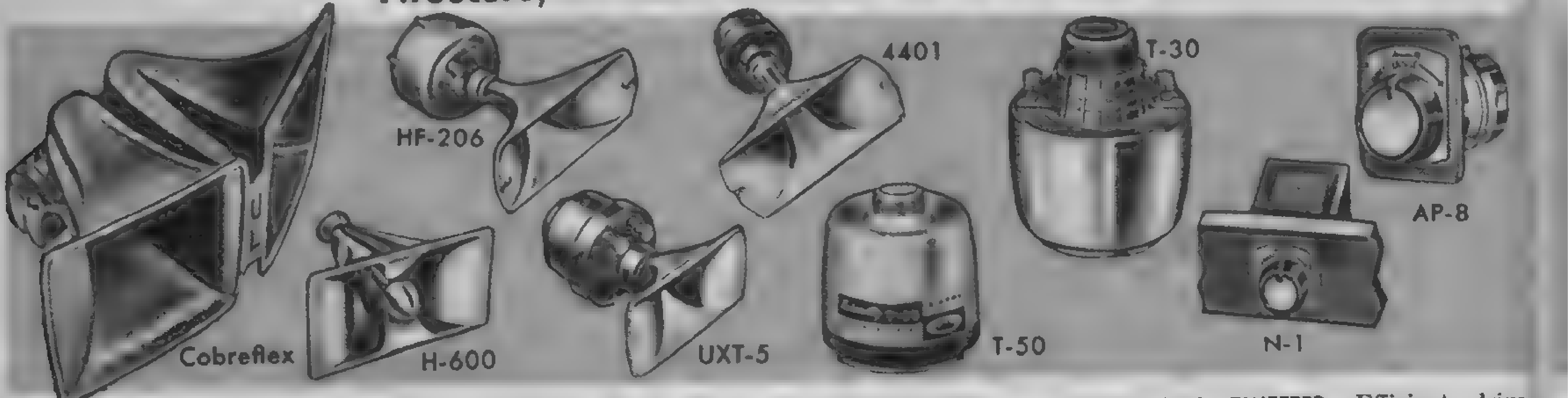
6201 COAXIAL SPEAKER

12", two-way speaker that provides smooth, natural reproduction. Has separate drivers for woofer and compression-type tweeter. Built-in crossover at 2500 cps; brilliance control. Response, 28-18,500 cps. Cap., 35 watts. Imp., 8-16 ohms. 6⅝" deep. 9½ lbs.
70 DU 538. *$5 Down.* NET.......**56.59**

DIFFUSICONE 12 SPEAKER

Highly popular, 2-way 12" Diffaxial speaker. Provides rich, clear full-range reproduction. Dual horn-loading at apex of cone extends mid-range and high frequency response. Mechanical crossover at 1000 cps. Frequency response, 28-15,000 cps. Power handling capacity, 35 watts. Imp., 8-16 ohms. 9 lbs.
70 DU 539. *$2 Down.* NET.......**38.95**

Tweeters, Drivers and Crossover Networks



MODEL COBREFLEX HORN. Perfect for use as a mid-range horn, in 3-way speaker systems when used with the T-30 driver unit. Its 27" exponentially flared air column permits crossover as low as 350 cps. Twin-flare design for uniform wide-angle dispersion; 120° horizontal and 60° vertical. Aluminum die casting. 1⅜"-18 throat. 10¼x18½x9¼". Shpg. wt., 10¼ lbs.
95 DX 184. *$2 Down.* NET.......**23.67**

MODEL H-600 MID-RANGE AND HIGH FREQUENCY HORN. Top-rated 600-cycle cutoff, wide-angle horn. One-piece, die-cast design. Perfectly adapted for use with T-30 or T-50 driver units. Combines "reciprocating flare" principle with hemispherical deflection for uniform sound from 600 cps to beyond audibility. Accepts driver unit with standard 1⅜"-18 throat. 7¾x8¾x4¾". Shpg. wt., 2½ lbs.
81 D 949. NET..................**18.62**

MODEL HF-206 HYPERSONIC TWEETER. Uses wide-angle, "reciprocating flare" horn for uniform 120° horizontal and 50° vertical dispersion. Response, 2500 cps to inaudibility. Cap., 50 watts. Requires N-1 cross-over. Imp., 8 ohms. 6x3$\frac{5}{16}$x6$\frac{9}{16}$". 3½ lbs.
95 D 190. *$2 Down.* NET........**32.34**

MODEL UXT-5 SUPER TWEETER. Employs efficient compression driver unit coupled to "reciprocating flare" horn. For use with N-1 high pass filter. Response, 5000-18,500 cps. Capacity, 50 watts. Impedance, 8 ohms. 4¼x2½x4". Shpg. wt., 1¾ lbs.
81 D 564. *$2 Down.* NET........**20.58**

MODEL N-1 ADJUSTABLE HIGH-PASS FILTER. With built-in brilliance control. Crossover combinations: 2500, 5000 and 10,000 cps at 8 ohms; 1250, 2500 and 5000 at 16 ohms; also 5000 and 10,000 cps at 4 ohms. Fits panels to 1". 3⅝x3¼x3". 1¾ lbs.
95 D 193. NET..................**13.72**

MODEL 4401 TWEETER. Efficient drive mechanism and voice coil suspension i sealed unit. Response, 2500 to 15,000 cps Requires N-1 crossover. Capacity, 50 watts 8 ohms. 2¾x6x6$\frac{5}{16}$". Wt., 2 lbs.
95 D 167. NET...................**17.64**

MODEL T-50 HYPERSONIC DRIVER. Use with the H-600 horn. Response, 600 cps to beyond audibility. Capacity, 50 watts. Imp. 8 ohms. 1⅜"-18 throat; 4¼" dia.; 4⅛" deep. Wt., 5 lbs.
81 D 948. *$2 Down.* NET.........**48.5**

MODEL T-30 MID-RANGE AND HIGH-FREQUENCY DRIVER. For use with Cobreflex o H-600 horns. Response, 350 to 15,000 cps Capacity, 50 watts. Imp., 8 ohms. 1⅜"-1 throat; 3½x3¾". 2¾ lbs.
81 D 589. *$2 Down.* NET........**29.4**

MODEL AP-8 LEVEL CONTROL. Fits panels t ¾". 7 oz.
95 D 132. NET...................**3.87**

akers . . . Style, Craftsmanship, Quality

EAKER
speaker. Wide-
by a dual horn
re diffraction.
00 cps. Power
s. Impedance,
, 4 lbs.
......27.44

EAKER
ovides smooth,
eparate drivers
-type tweeter.
cps; brilliance
) cps. Cap., 35
" deep. 9½ lbs.
......56.59

PEAKER
iffaxial speaker.
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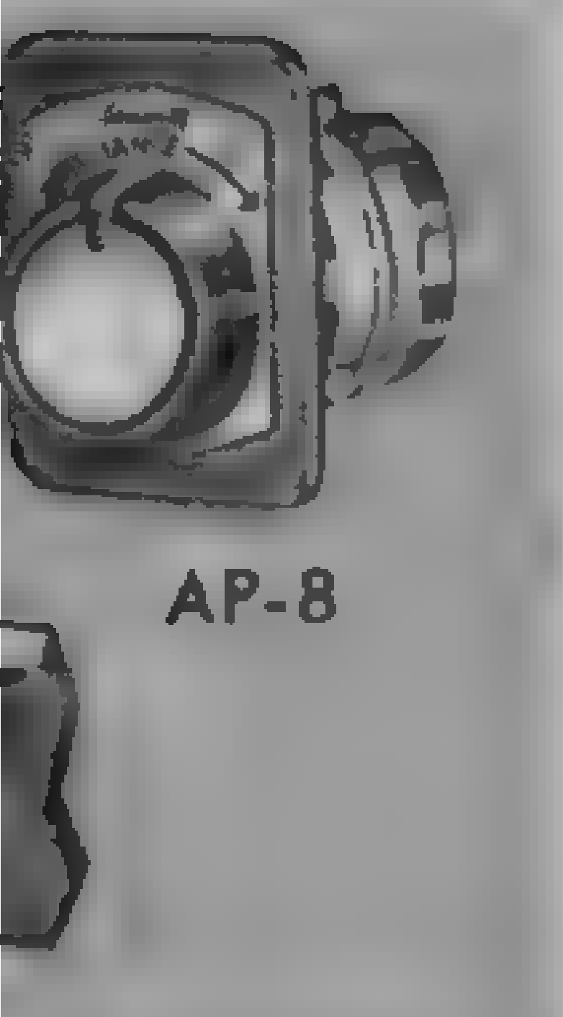
of cone extends
ency response.
1000 cps. Fre-
0 cps. Power
tts. Imp., 8-16
.......38.95



Efficient drive
l suspension in
0 to 15,000 cps.
pacity, 50 watts.
2 lbs.
........17.64

DRIVER. Use with
, 600 cps to be-
50 watts. Imp.,
4¼" dia.; 4⅛"
........48.51

AND HIGH-FRE-
with Cobreflex or
50 to 15,000 cps
8 ohms. 1⅜"-18
........29.40

DL. Fits panels to
........3.87

A moderately-priced series of speakers noted for high quality performance. Each is a product of advanced design, careful construction and rigid quality control.

UC-121 EXTENDED RANGE SPEAKER

Economy-priced 12" speaker incorporating special, shallow design for flush mounting in ceilings, walls, etc. Frequency response, 40-10,000 cps. Power handling capacity, 30 watts. Impedance, 8-16 ohms. Only 4½" deep. Shpg. wt., 5¼ lbs.
70 DX 507. *$2 Down.* NET.......**27.44**

UC-82 8" DIFFAXIAL SPEAKER

Excellent low-cost speaker expressly designed for compact enclosures. Employs 2-way diffaxial design and 5000 cps mechanical crossover for clear, true response. Frequency response, 45-14,000 cps. Capacity, 25 watts. Impedance, 8-16 ohms. 4¼" deep. Shpg. wt., 3½ lbs.
70 D 535. NET....................**16.61**

UC-122 12" DIFFAXIAL SPEAKER

Low cost speaker employing uni-sectional diffusicone, high frequency element with 1000 cps mechanical crossover. Provides uniform, wide-angle sound dispersion. Frequency response, 40-13,000 cps. Power handling capacity, 30 watts. Impedance, 8-16 ohms. Depth, 4½". Shpg. wt., 5¼ lbs.
70 DX 508. *$2 Down.* NET **34.79**

UC-152 15" DIFFAXIAL SPEAKER

Moderately priced, two-way speaker. Diffusicone element assures wide angle dispersion of high frequencies. Dual horn-loading extends mid and high frequency response evenly throughout the listening area, crossing over mechanically at 1000 cps. Rich, clear bass without boominess is provided by the sturdily constructed 15" woofer with molded cone. Response, 30-14,000 cps. Capacity, 30 watts. Impedance, 8-16 ohms. Depth, 7⅛". Shpg. wt., 8¼ lbs.
70 DX 510. *$2 Down.* NET........**44.10**

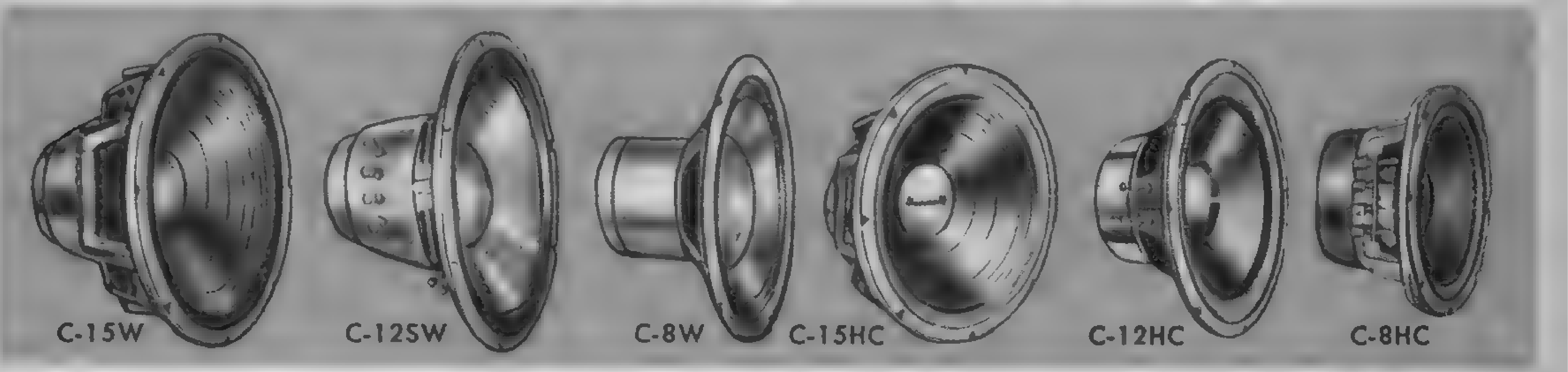
UC-123 12" DIFFAXIAL SPEAKER

An integrated 3-way speaker that offers high efficiency and uniform wide-angle dispersion. Employs a uni-sectional diffusicone element and UXT-5 reciprocating flare super-tweeter, mounted through the center axis of the woofer, to attain true, wide-angle dispersion. With built-in brilliance control and 3-ft. cable. Mechanical crossover at 1000 cps; electrical crossover at 5000 cps. Response, 40-18,500 cps. Power handling capacity, 30 watts. Impedance, 8-16 ohms. 8¼" deep. Shpg. wt., 9 lbs.
70 DX 509. *$5 Down.* NET........**65.17**

UC-153 3-WAY SPEAKER

Medium-power version of the deluxe 315-C. Delivers outstanding performance throughout the range of audibility. Integrally constructed on a rugged frame, it features 3 reproducing elements—15" woofer cone, diffusicone element and super tweeter. Its rich, sonorous bass is augmented with full-bodied mid-range by the multi-element diffusicone, which crosses over mechanically at 1000 cps. At 5000 cps, an L-C electrical crossover network directs the high and ultra high frequencies to the UXT-5 tweeter with reciprocating-flare horn. Tweeter is axially mounted in center of woofer for purest treble. With brilliance control. Frequency response, 30-18,500 cps. Power handling capacity, 30 watts. Impedance, 8-16 ohms. Depth, 10". Shpg. wt., 12 lbs.
70 DU 511. *$5 Down.* NET........**81.34**

Popular, Moderately-Priced Woofers



MODEL C-15W 15" WOOFER. Top-performing woofer featuring special-design dual voice coil—two electrically independent voice coils on a single woofer. Dual-spider piston and 6-lb. magnet assure clean response from below 25 to 1500 cps. Capacity, 50 watts. Dual impedance voice coil assembly permits use in any system of 4-20 ohms. Depth, 10½". Shpg. wt., 27 lbs.
95 DU 185. *$5 Down.* NET.......**83.30**

MODEL C-12SW 12" WOOFER. Features built-in low pass filter for adjustment of response to 700, 2500 or 5000 cps. Response, 40-6000 cps. Capacity, 30 watts. 1½-lb. magnet. Impedance, 8 ohms. Depth, 6½". Shpg. wt., 7¼ lbs.
79 DX 244. *$2 Down.* NET.......**38.71**

MODEL C-8W 8" WOOFER. Budget-priced low-range speaker. Response, 50-5000 cps. Imp., 8 ohms. Depth, 4¼". Shpg. wt., 3 lbs.
95 D 192. NET....................**14.70**

MODEL C-15HC 15" WOOFER. High-compliance, low-resonance woofer which yields tremendous bass depth. Delivers rich, remarkably clean reproduction throughout the lower frequency range. Features Hiflux Uniferrox-7 magnet material in specially designed twin-spider suspension assembly—assures positive transient control during maximum excursions. University dual-impedance voice coil design permits use of unit in any system of 4 to 8 ohms or 10 to 20 ohms.

Recommended for use in high-fidelity music systems employing amplifiers which are capable of delivering output of 15 watts or more. Cone resonance, 15 cps. Response to 800 cps. Depth, 8⅛". Because maximum fidelity depends on unit being used in properly designed enclosures, recommended enclosure plans are supplied with the C-15HC free of charge. Shpg. wt., 24¾ lbs.
81 DU 812. *$5 Down.* NET........**87.71**

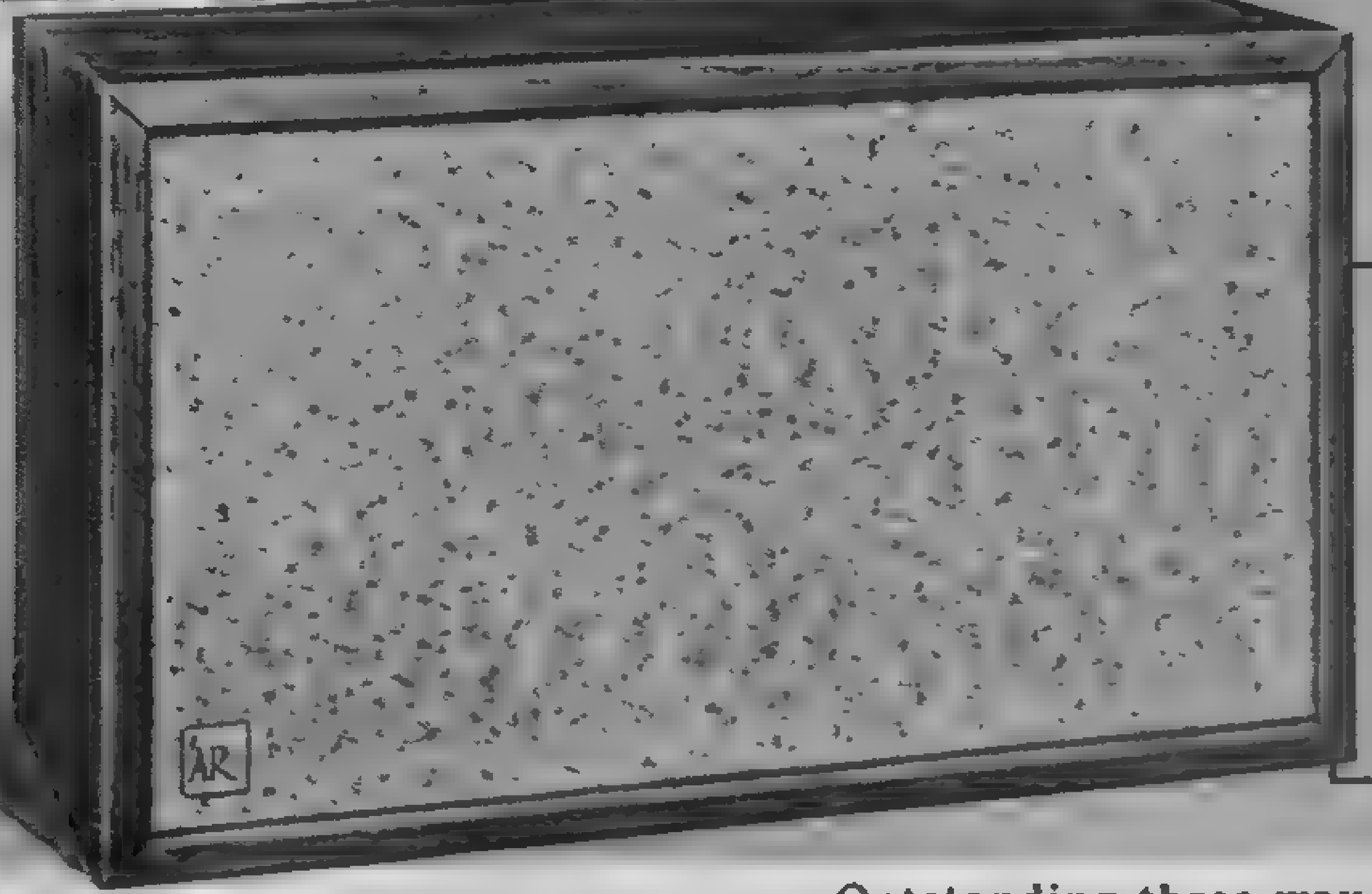
MODEL C-12HC 12" WOOFER. High compliance, ultra-linear 12" Woofer that delivers excellent bass response. Priced in the range of moderate-cost stereo and monophonic music systems. Recommended for use in hi-fi systems employing amplifiers which are capable of delivering output of 15 watts or more. Frequency response extends to 3000 cps. Cone resonance, 18 cps. Dual impedance voice coil permits use in any system of 4 to 8 ohms or 10 to 20 ohms. Recommended enclosure plans are included free with the woofer. Depth, 6⅞". Shpg. wt., 13¼ lbs.
81 DX 811. *$2 Down.* NET........**48.51**

MODEL C-8HC 8" WOOFER. Same construction features as unit above. Designed to provide bass response from 20 cps in the smallest enclosure. Response to 3000 cps. Capacity, 30 watts. Impedance, 4-8 ohms. Depth, 4¼". With enclosure plans. Shpg. wt., 7½ lbs.
70 D 236. *$2 Down.* NET.........**39.15**

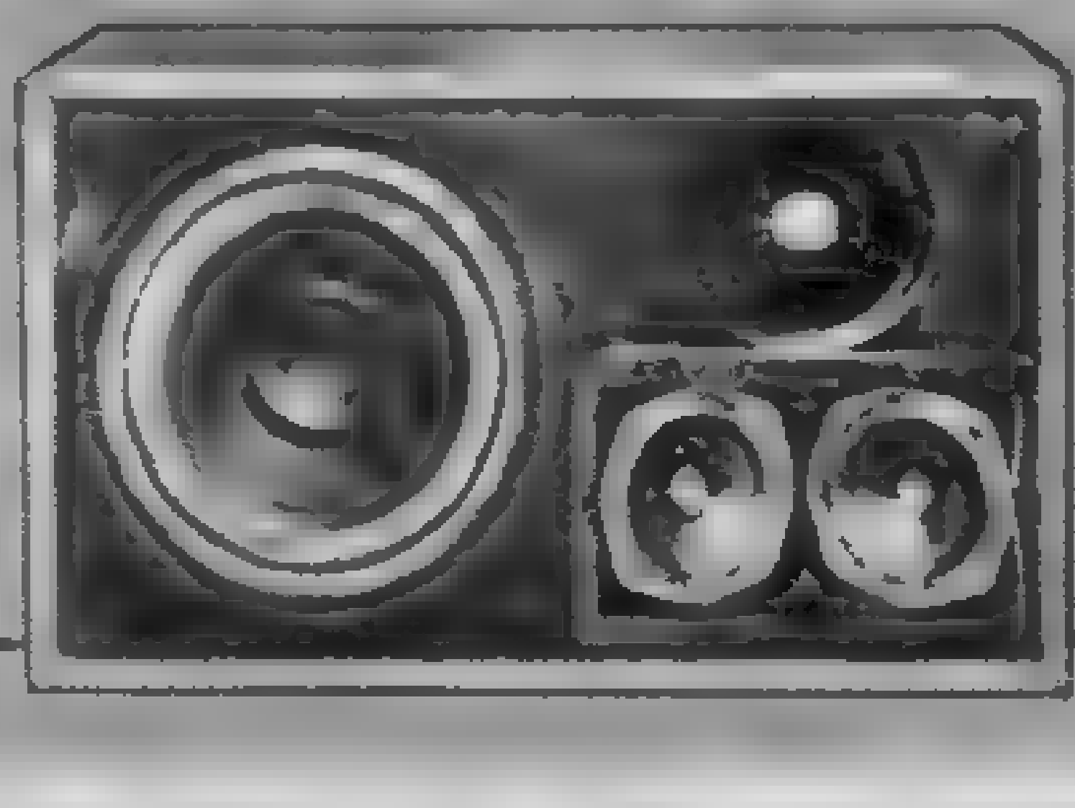
AR

Model AR2A Acoustic Suspension Speaker System

The superb components of the AR-2 speaker system have been augmented by the addition of a 1⅜" super tweeter. Now, *all* frequencies are reproduced with a purity of tone to delight the ear. A superior shelf system at moderate cost.



INSIDE VIEW OF AR-2A



Consists of 10" woofer, two 5" mid-range speakers and top-performing 1⅜" dome-type super tweeter.

AS LOW AS **$109.00**

$5 down

Superior Performance

1. Full, low-distortion bass reproduction in limited space.
2. Super tweeter that delivers clear, sparkling response in the high range.
3. Dual 5" mid-range speakers for pleasant mid-frequency response.
4. Controls for independent adjustment of mid-range and tweeter.

Outstanding three-way bookshelf-type speaker system for use in medium-priced stereo and monophonic systems. Delivers exceptionally clean response throughout the sound spectrum. Acoustic suspension design provides full, low-distortion bass reproduction in small-size enclosure—dual 5" speakers deliver clean mid-range—new 1⅜" dome-type tweeter assures smooth, silvery highs. Employs the sealed-in air of the cabinet as a pneumatic spring for the speaker cone during large excursions on very low bass notes. Components are mounted in a sealed, fiberglas-filled cabinet of braced ¾" hardwood veneer. Free from vibration, resonance, etc.

Due to its ability to reproduce sound remarkably clean and free of distortion, the AR-2A is an excellent choice for use by broadcasting studios, sound recording labs, etc. as a monitor speaker. It is available in a choice of finishes (finished on four sides): natural birch, mahogany or walnut. Suitable for custom installations is the unfinished model—for painting or other opaque finish.

Requires amplifier rated at least 20 watts. (If two are used in stereo system, amplifier should be rated 20 watts per channel.) Crossover points at 2000 and 7500 cps. Horizontal dispersion, 90°. Harmonic distortion (at 10 watts) under 2% to 60 cps; under 3% to 50 cps. Impedance, 8 ohms. Size, 13½" high, 24" wide and 11½" deep. Shpg. wt., 41 lbs.

70 DU 600. Natural Birch. NET	122.00
70 DU 601. Mahogany. NET	122.00
70 DU 027. Oil Walnut. NET	128.00
70 DU 028. Unfinished. NET	109.00

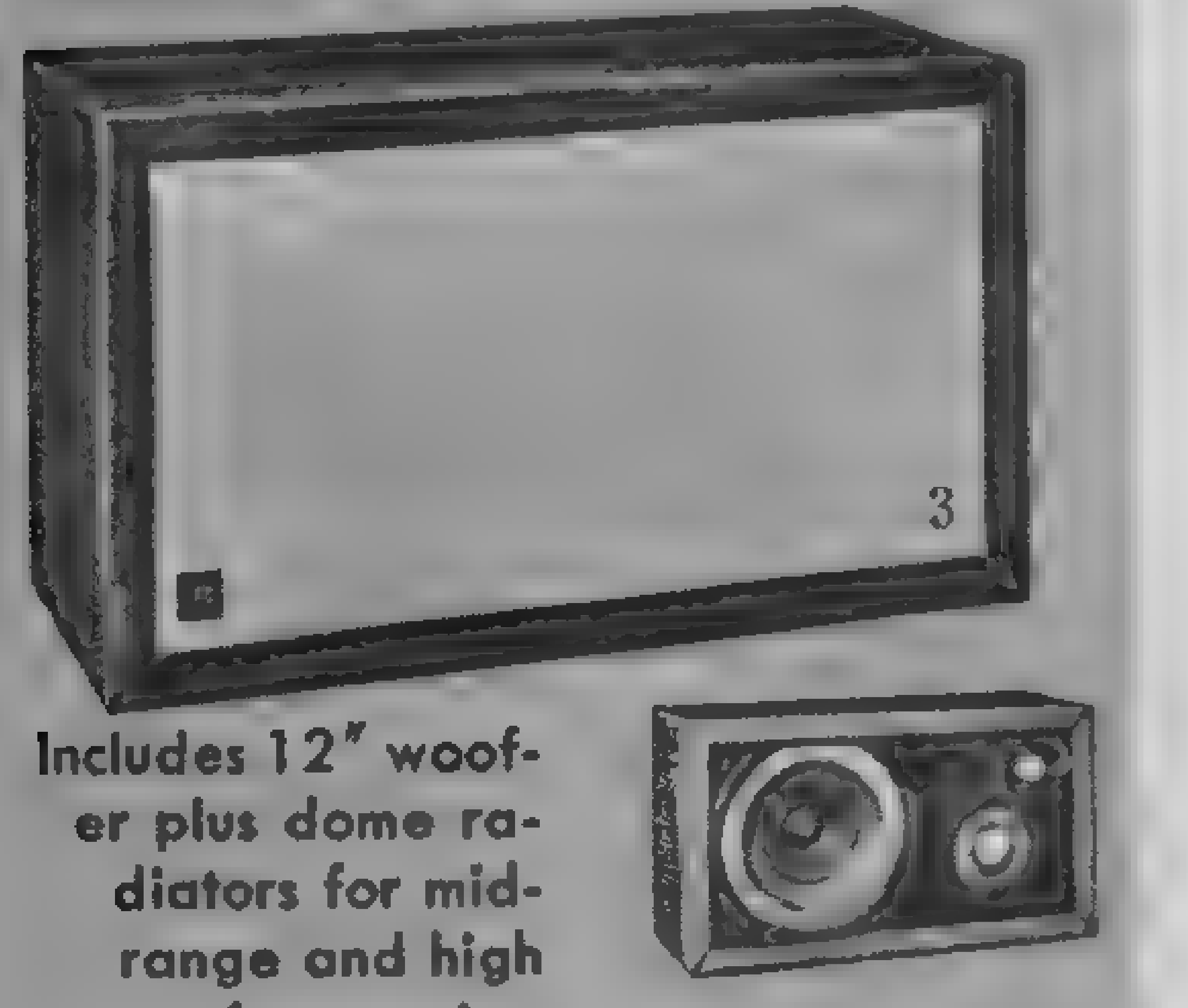
AR-2 Speaker Systems

Identical to the AR-2A, but less the super tweeter. Unit is finished on three sides. Shpg. wt., 35 lbs.

82 DU 039. Natural Birch. NET	96.00
82 DU 038. Mahogany. NET	96.00
70 DU 623. Oil Walnut. NET	102.00
79 DU 292. Unfinished. NET	89.00

Model AR-3 Acoustic Suspension Speaker System

Model AR-3



Includes 12" woofer plus dome radiators for mid-range and high frequencies.

AS LOW AS **$203.00**

$10 down

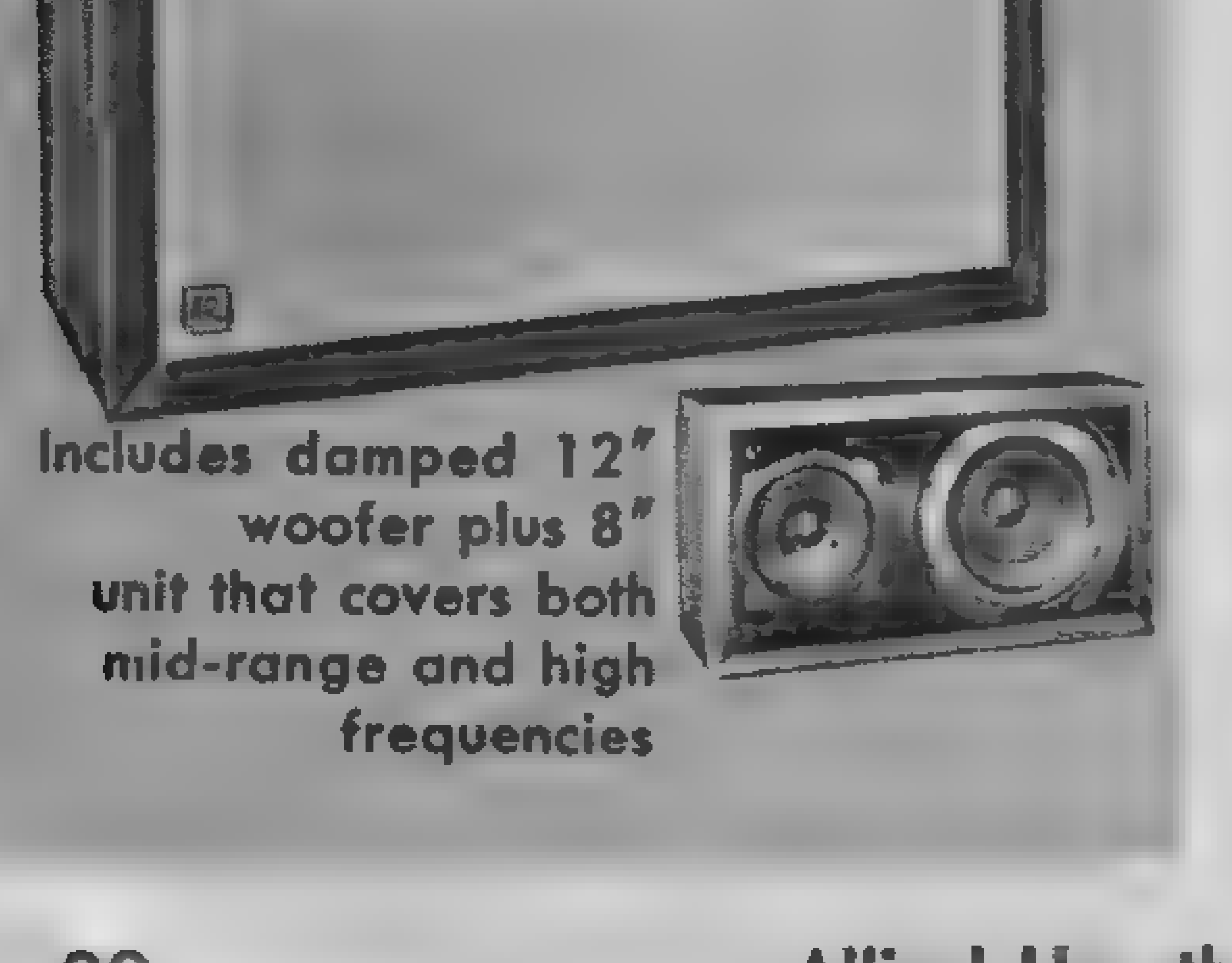
Deluxe three-way system for use in the finest limited-space music systems. This sealed, bookshelf-size speaker system contains a 12" woofer with 3¼-lb. Alnico V magnet; 2" mid-range dome radiator with 3¼-lb. Alnico V magnet; and 1⅜" high-frequency dome-shaped tweeter—all in a fiberglas-filled, braced cabinet. Delivers full, smooth response. Individual instruments are brought out with clarity and definition, without annoying speaker coloration. Hemispherical mid-range and high frequency units distribute sound evenly throughout the room. Allows sitting in any location in the room with only minor loss of the high frequencies. 12" woofer is identical to that used in the well-known AR-1 system (below). Delivers full, rich, resonance-free bass. Finished on 4 sides for placement in any position.

System includes L-C type crossover network. Crossover points are at 1000 and 7500 cps. Pre-wired, variable level controls allow adjustment of both mid-range and high frequencies to suit the individual taste. Frequency response, ±2 db, 38-20,000 cps. Due to its low efficiency, it requires relatively powerful amplifier. Requires unit rated at least 30 watts for moderate level in an average room (if two are used in a stereo system, amplifier should deliver minimum of 25 watts per channel). Size, 14x25x11⅜". Impedance, 4 ohms. Shpg. wt., 60 lbs.

79 DZ 397. Mahogany. *$10 Down.* NET	216.00
79 DZ 398. Natural Birch. *$10 Down.* NET	216.00
70 DZ 624. Oil Walnut. *$10 Down.* NET	225.00
70 DZ 002. Unfinished. *$10 Down.* NET	203.00

Model AR-1 Acoustic Suspension Speaker System

Model AR-1



Includes damped 12" woofer plus 8" unit that covers both mid-range and high frequencies

AS LOW AS **$172.00**

$5 down

The speaker system that launched a new era in sound reproduction. The AR-1 features an air-damped 12" woofer plus 8" mid-frequency and high frequency unit and 1000 cps crossover network. Operates on the acoustic suspension principle—mechanical springs are replaced by a pneumatic spring. The sealed-in air of the cabinet reduces bass harmonic distortion to the vanishing point while delivering uniform and extended low frequency response. Frequency response is ±1½ db, 38-1000 cps; ±5 db, 30-13,000 cps. Cabinet is fiberglas-filled, constructed of durable ¾" hardwood veneer. Unit is impervious to vibration. System is available in mahogany, natural birch and glossy walnut; finished on four sides. It is also available in an unfinished pine utility model, for painting or other opaque finish, to suit the individual decorative scheme. For maximum sound reproduction, requires amplifier rated at least 30 watts for moderate level in average-size room (or 25 watts per channel when two are used in stereo systems); may be used with amplifiers rated at up to 60 watts (or 50 watts per channel in stereo systems) for higher level and in larger size rooms. Size, 14" high, 25" wide and 11½" deep. Impedance, 4 ohms. Shpg. wt., 52 lbs.

82 DZ 033. Mahogany. *$5 Down.* NET	185.00
82 DZ 034. Natural Birch. *$5 Down.* NET	185.00
82 DZ 253. Glossy Walnut. *$5 Down.* NET	194.00
70 DZ 210. Unfinished. *$5 Down.* NET	172.00

Super Tweeter and Tweeter System

AR

Up-date your AR speaker system by adding either of these superb components. The 3T matches the AR-1; 3ST is designed for use with the AR-2.

AR-3T Tweeter System

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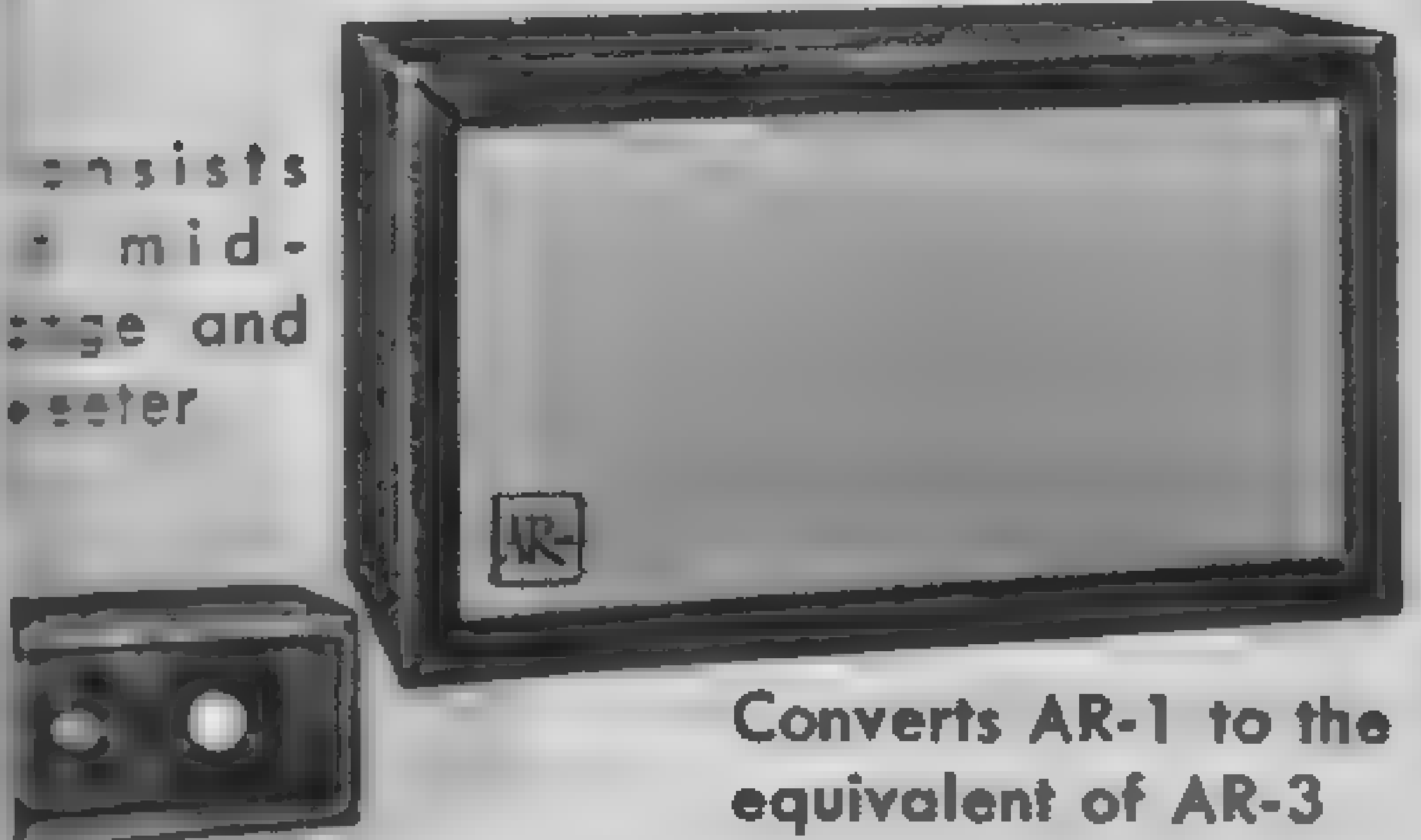
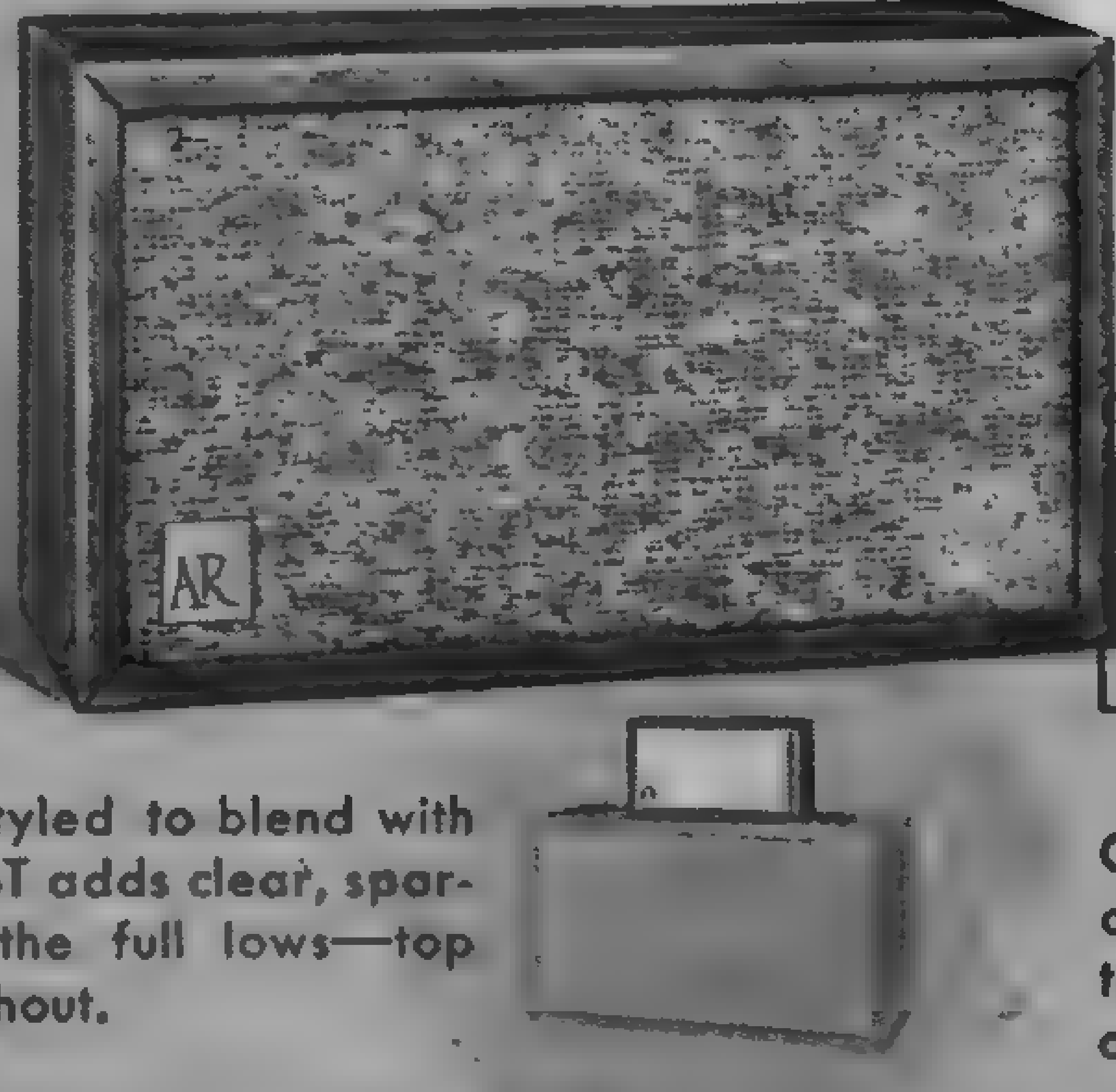


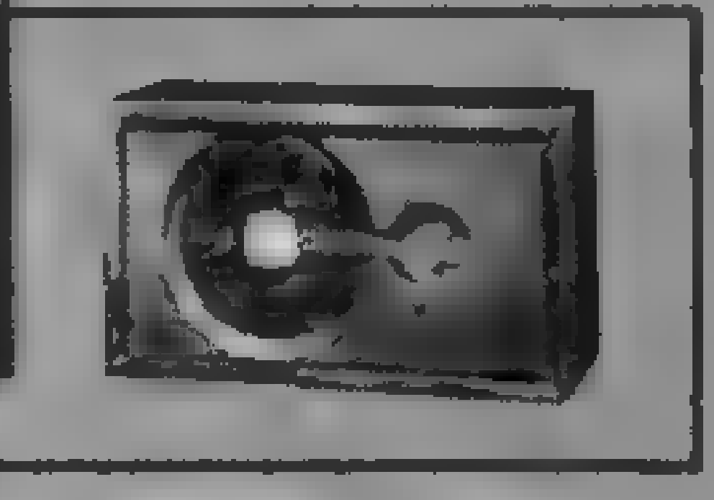
Converts AR-1 to the equivalent of AR-3

standing tweeter system identical to mid-
e and high frequency components used in
3 speaker system. Clean reproduction of the
frequencies is produced by a 2″ dome-
ed unit. At 7500 cps, 1⅜″ dome-shaped
e takes over. Nominal crossover point of
mid-range radiator is 1000 cps. System is
nted in case with grille cloth that matches
1 woofer. Produces clear, silvery highs with
lent dispersion. Although primarily de-
ed for use with the AR-1, the 3T updates
similar system. Available in choice of 4
shes or unfinished. Size, 7⅞x14x6¾″. 4-16
ms. Shpg. wt., 25½ lbs.

DU 630. Mahogany. *$5 Down.* NET	92.00
DU 631. Natural Birch. NET	92.00
DU 632. Oil Walnut. NET	96.00
DU 633. Glossy Walnut. NET	96.00
DU 634. Unfinished. NET	87.00



Compact and styled to blend with the AR-2, the 3ST adds clear, sparkling highs to the full lows—top response throughout.



INSIDE VIEW

Consists of 1⅜″ dome-shaped supertweeter plus crossover network.

Model AR-3ST High Frequency Super Tweeter

AS LOW AS $32^{00}

$2 down

A new approach to tweeter design—a 1⅜″ dome-shaped device that delivers extended high frequency response without disturbing coloration. Identical to the unit that is an integral part of the AR-3 (listed on the preceding page), the 3ST added to your sealed, acoustic suspension woofer, adds the sparkling highs for full, realistic response throughout the listening range. Designed to up-date the famous AR-2 speaker system, the 3ST produces excellent results when used with any system of this type. Tweeter delivers uniform response with excellent horizontal and vertical dispersion. Nominal crossover point is 7500 cps—with response extending far beyond audibility. Unit is mounted in attractive wood cabinet with grille cloth identical to that used on AR-2. Available in choice of four attractive finishes that meet any decorative requirement—natural birch, mahogany, oil walnut, glossy walnut—or unfinished for paint or other opaque finish. Impedance, 4-16 ohms. Size, 6⁹⁄₁₆x11⁹⁄₁₆x5⅛″. Shpg. wt., 9½ lbs.

70 DX 625. Mahogany. *$2 Down.* NET	35.00
70 DX 626. Natural Birch. *$2 Down.* NET	35.00
70 DX 627. Oil Walnut. *$2 Down.* NET	38.00
70 DX 628. Glossy Walnut. *$2 Down.* NET	38.00
70 DX 629. Unfinished. *$2 Down.* NET	32.00

Paraflex Speakers and Speaker Systems by . . . AUDAX

ODEL CA-80H SPEAKER SYSTEM. Wide-
e system enclosed in a strikingly mod-
cabinet. System components include
8″ woofers plus tweeter for clear, realis-
sound reproduction from 40-17,000 cps.
eakers feature paraflex foam suspension
greater cone excursion—fuller bass re-
nse. Ducted slot enclosure reduces un-
ural boominess. System has horizontal
e. In attractive oiled walnut finish.
wer handling capacity, 30 watts. Imped-
ce, 8 ohms. Less legs, below. Size, 12x24x
. Shpg. wt., 31 lbs.

DU 014. *$5 Down.* NET.......99.95

ODEL CA-100V SPEAKER SYSTEM. Deluxe
tem consisting of two 10″ woofers and
tweeters. Response, 30-20,000 cps. Has
tical grille. Oiled walnut finish. Capacity,
watts. Impedance, 8 ohms. Size, 15x25x
. Shpg. wt., 39 lbs.

DU 016. *$5 Down.* NET......139.95

GS FOR ABOVE. Attractive satin finish.
e cabinet 5¾″ above floor. Wt., 4 lbs.

DX 018. NET...................7.95

MODEL A-120X SPEAKER

derately-priced 12″ coaxial speaker de-
ed for use in medium-cost stereo and
ophonic music systems. Among the fea-
es that make it an outstanding value are
compliance foam suspension, "Styro-
" cone reinforcing, glass voice coil form
curvilinear cone. Delivers full, clear
ponse throughout the listening range
a minimum of distortion.

nted coaxially in the cone is a tweeter
the direct radiator type. Mid-range prop-
tor is mechanically coupled at 2000
es and operates to 5000 cycles. Tweeter
ends range to 17,000 cps. Frequency re-
se, 35-17,000 cps. Resonance, 35-40 cps.
gged, cast aluminum frame. Impedance,
ms. Depth, 7″. Wt., 12 lbs.

DU 531. *$5 Down.* NET.......69.95

MODEL CA-60 SPEAKER SYSTEM. Economy-priced bookshelf-type unit for limited-space music systems. Has two high-compliance 6″ woofers and cone-type tweeter with built-in high pass filter. Ducted-port enclosure design produces full, rich bass reproduction. Port serves to damp resonant frequencies—produces response free of boominess and coloration. Speaker is highly efficient—delivers adequate sound in a normal-size room even with low-power amplifier.

Strikingly attractive metal grille is built of satin aluminum. Unit has large rectangular openings and is covered by acoustically-transparent flocked buckram grille cloth. Cabinet is constructed of genuine walnut. Finish is oiled by professional craftsmen to produce a truly distinctive appearance.

Frequency response, 70-17,000 cps. Unit has power handling capacity of 20 watts. Impedance, 8 ohms. 10″ high, 18″ wide and 9½″ deep. Shpg. wt., 15 lbs.

70 DU 017. *$5 Down.* NET.......59.95

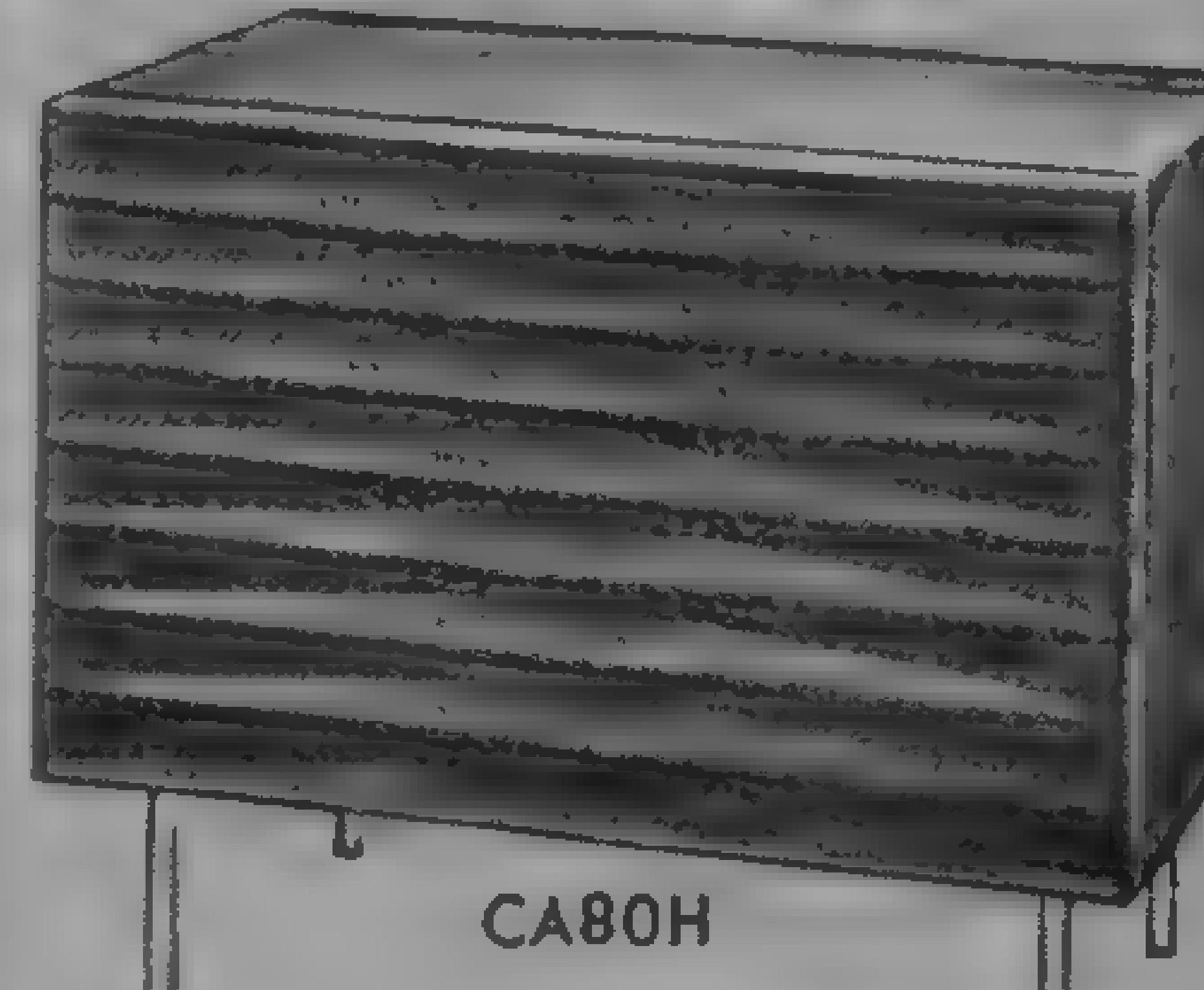
MODEL A-120D SPEAKER

Economy-priced version of A-120X speaker listed at left. 12″ dual cone unit is similar but does not have tweeter. Frequency response, 35-14,000 cps. Components include apex propagator and dural center dome cap for smooth mid-range response. Power handling capacity, 25 watts. Resonance, 35-40 cps. Impedance, 8 ohms. 11 lbs.

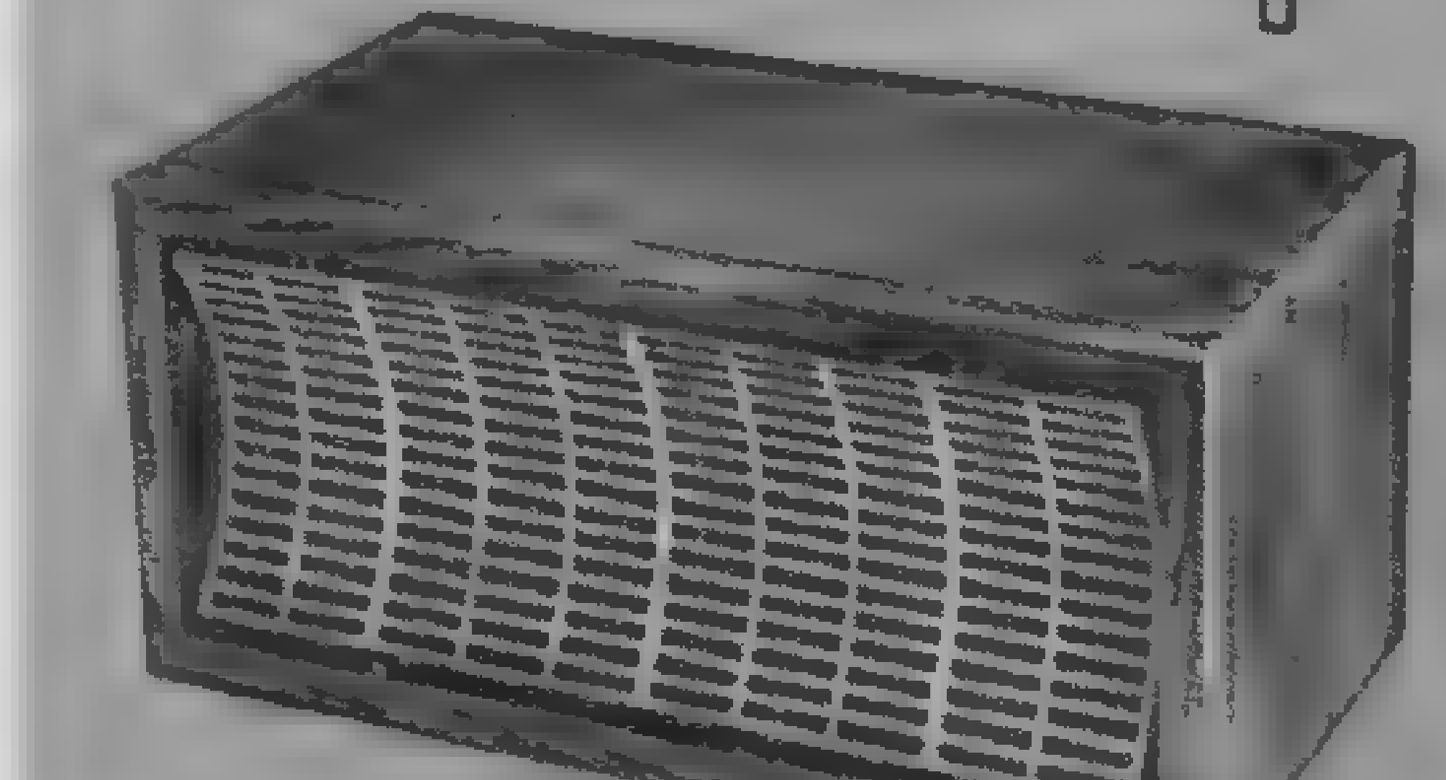
70 DU 532. *$2 Down.* NET.......49.95

MODEL A-100D 10″ SPEAKER. (Not illus.) Low cost unit is ideal for smaller-size enclosures. Delivers excellent bass response in bass reflex-type enclosures having internal volume of 2 to 3 feet. Frequency response, 45-13,000 cps. Capacity, 20 watts. Resonance, 48-52 cps. Has stamped steel frame. Imp., 8 ohms. Shpg. wt., 5½ lbs.

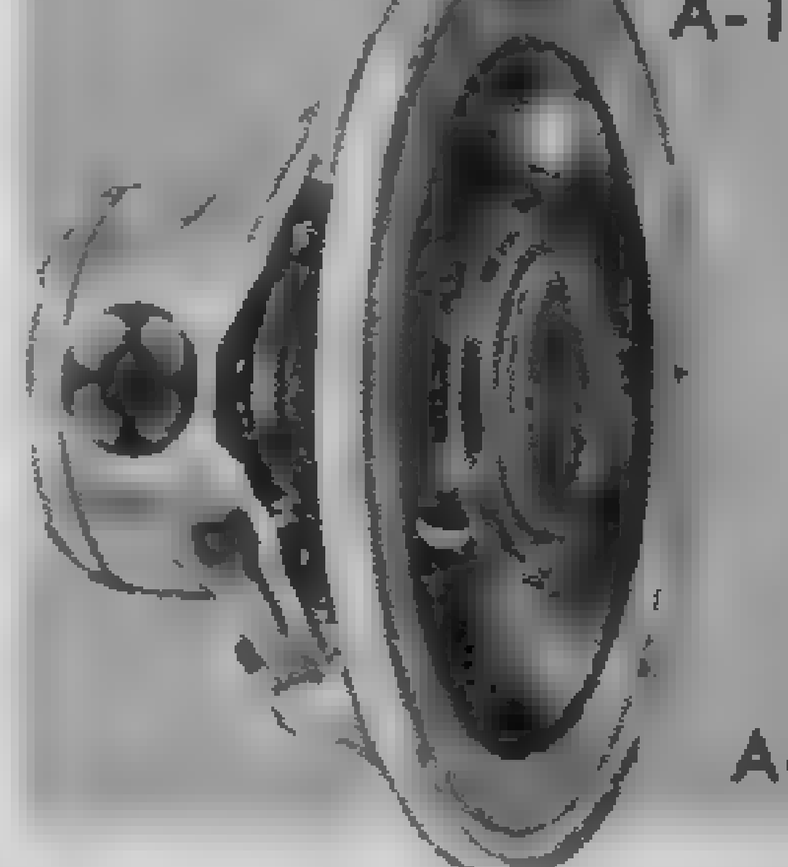
70 DU 533. *$2 Down.* NET.......34.95



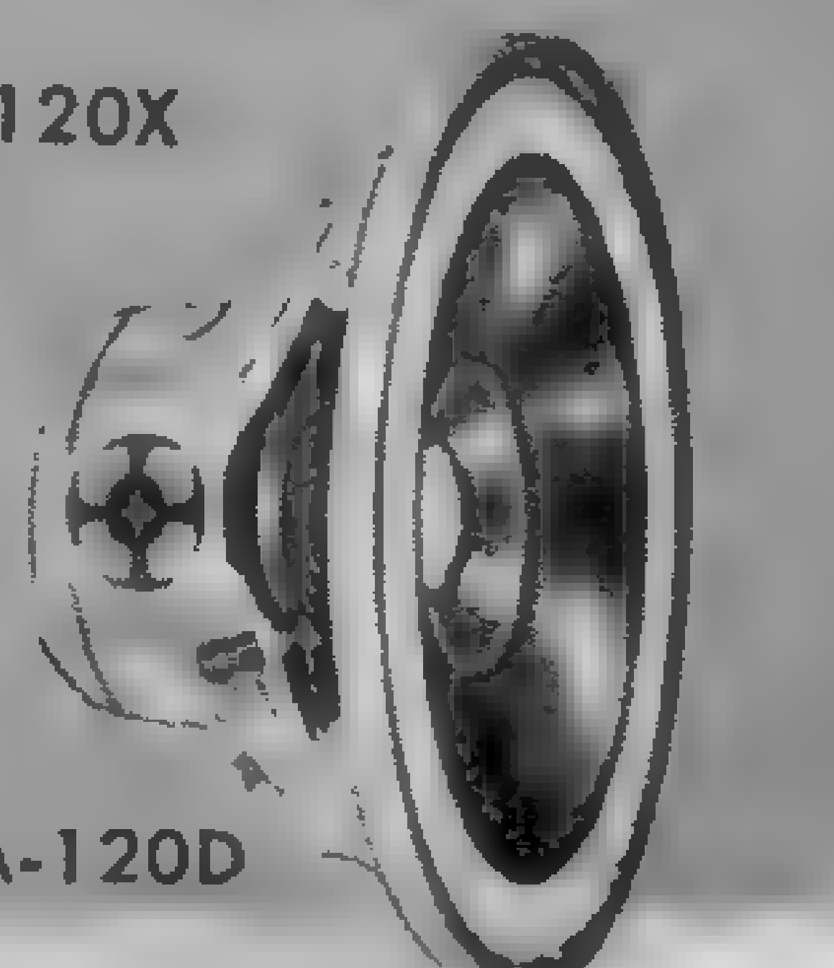
CA80H



CA-60



A-120X



A-120D

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Harmonic dis-
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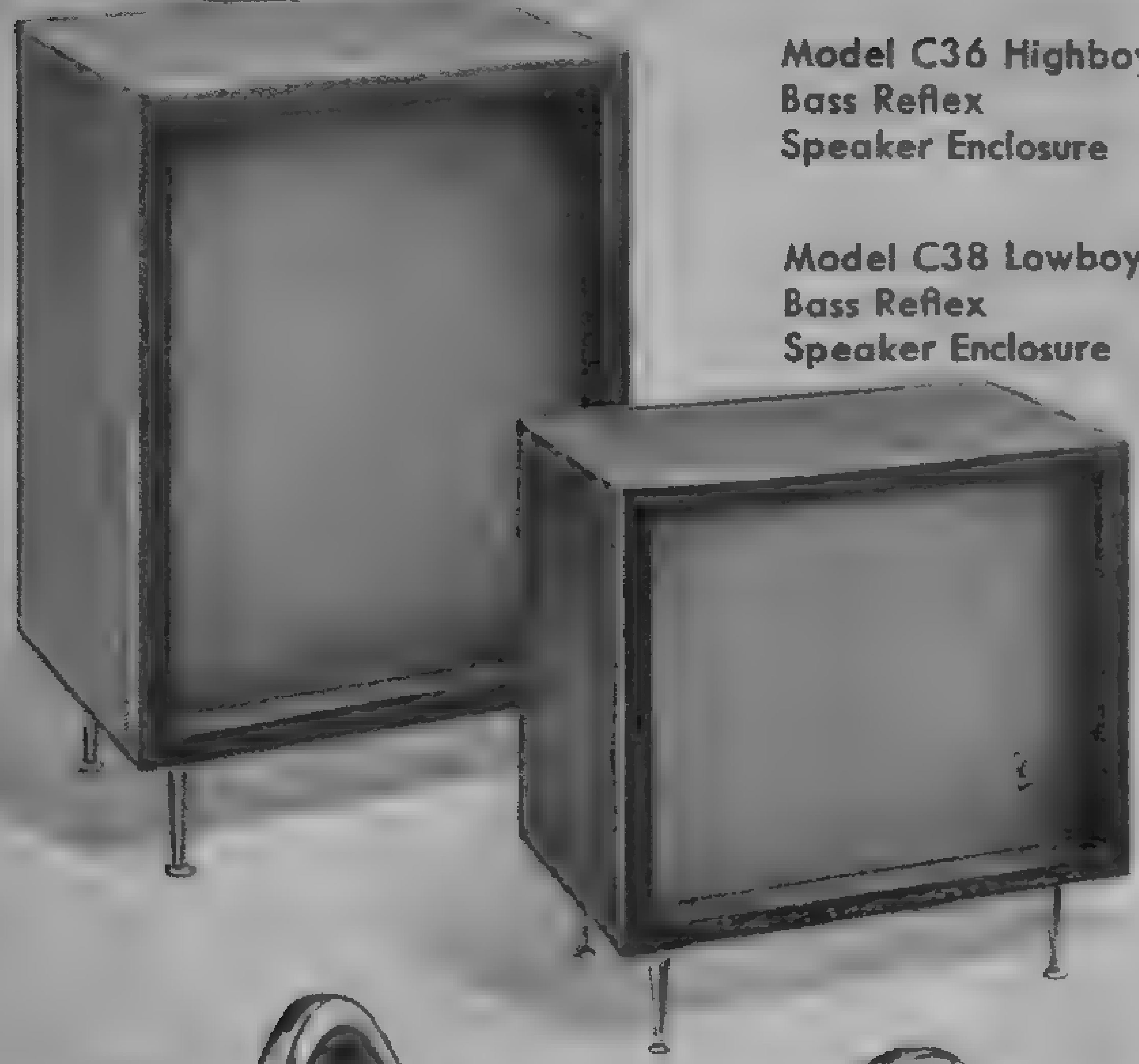
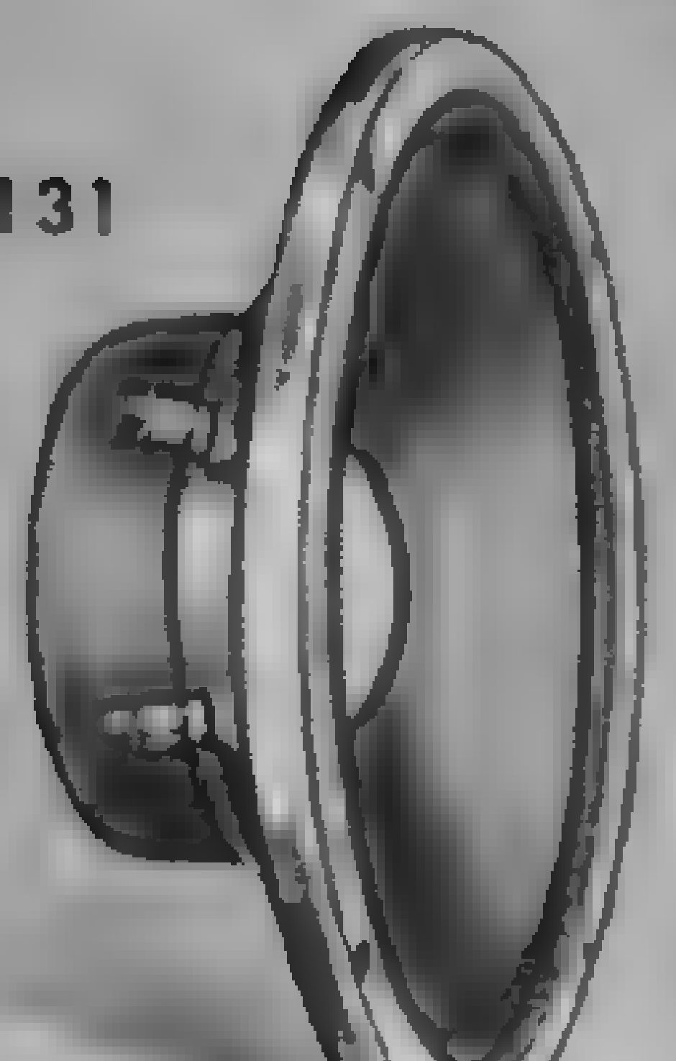
JIM LANSING

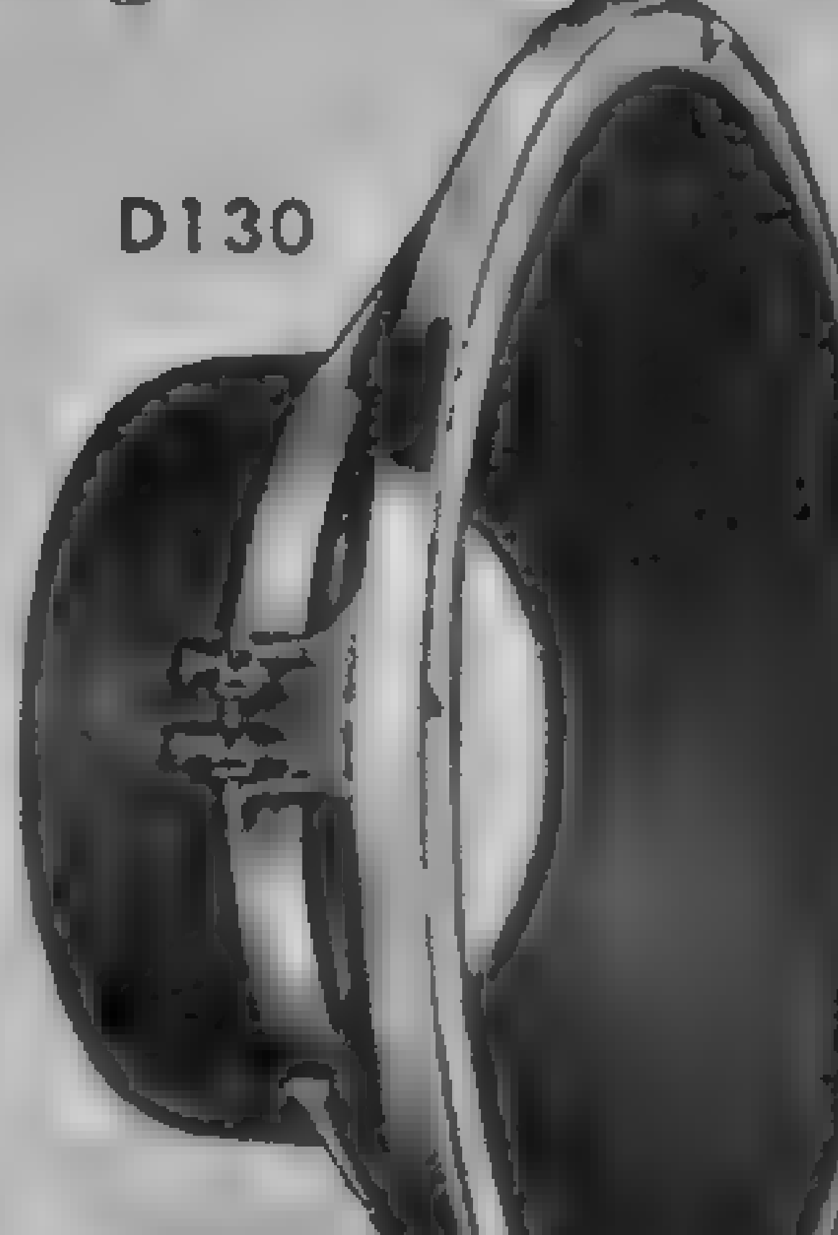
Superb High-Fidelity Components

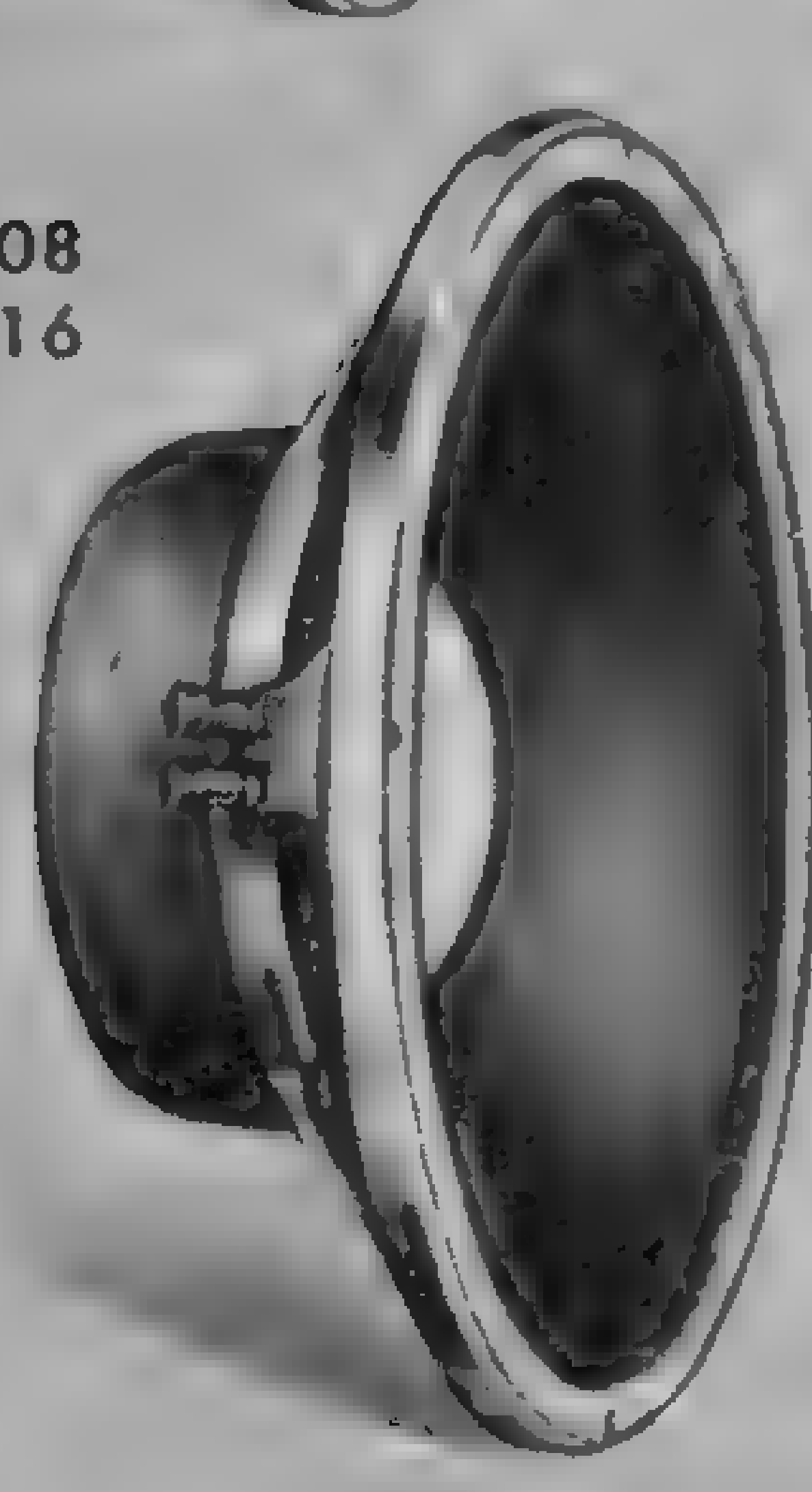
Enclosures, Speakers and Speaker Components


Model C36 Highboy Bass Reflex Speaker Enclosure

Model C38 Lowboy Bass Reflex Speaker Enclosure


D131


D130


D208
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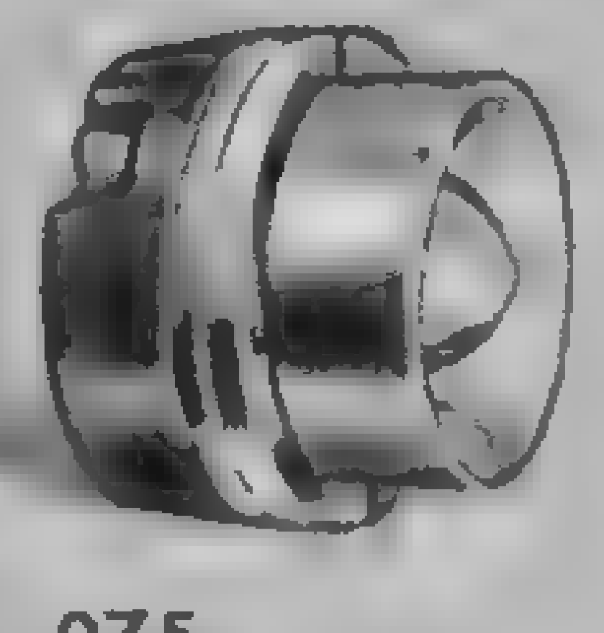
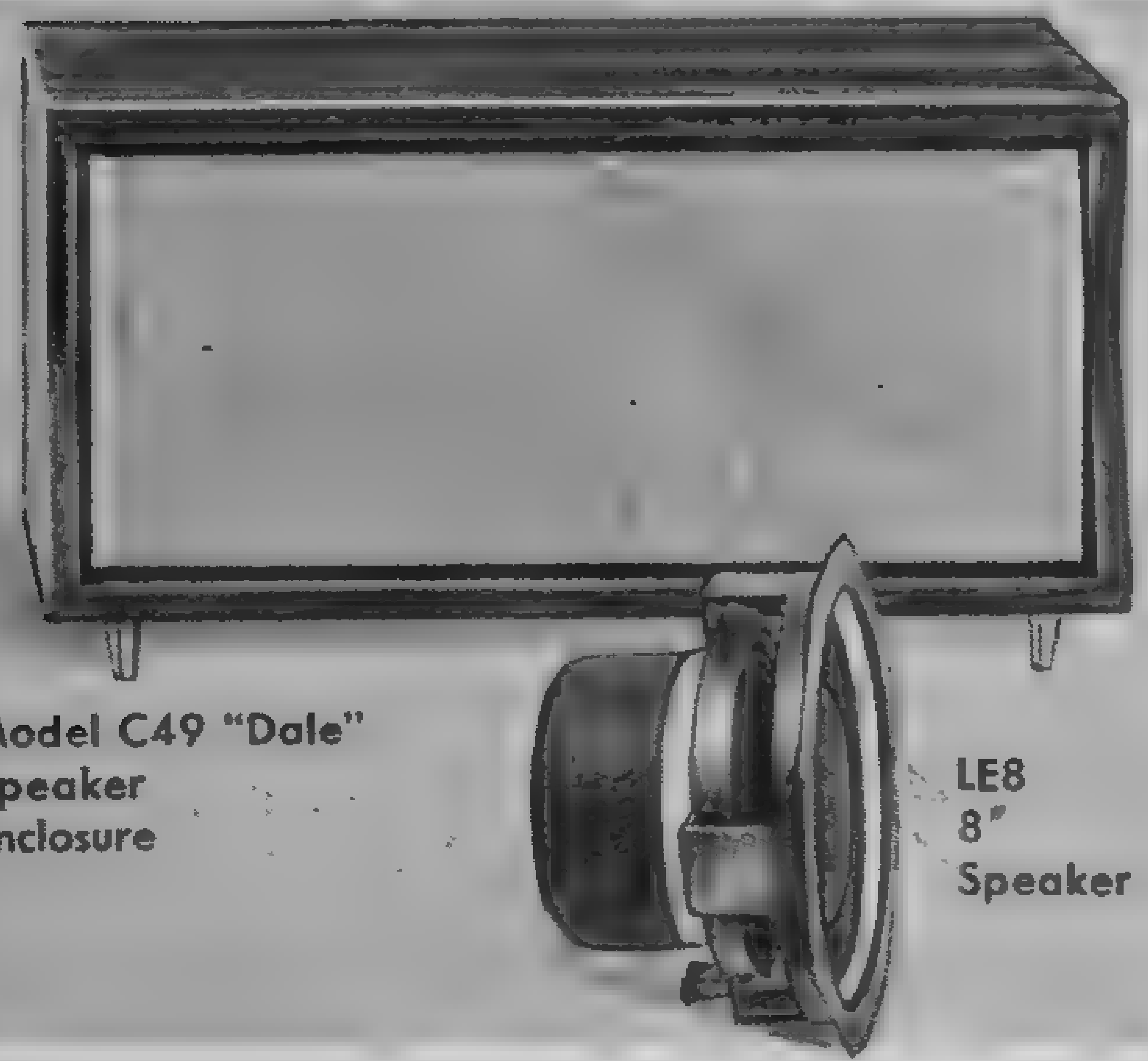

075
VHF Tweeter


Model C49 "Dale" Speaker Enclosure

LE8 8" Speaker

MODEL C38 HI-FI SPEAKER ENCLOSURE

NET $\$77^{70}$ **$5 down**

Space saving, lowboy bass reflex speaker enclos Smart styling and rich, hand-rubbed finish con ment any room interior. May be used with an 12" or 15" speaker. Ideal for use with Lansing m D131, D130, D123, D208, D216—listed belo this page. Compact size allows it to be used al anywhere—perfect for use in pairs in stereo m systems. Size, 24⅜" high, 23¾" wide and 15⅞" deep. With 5" Available in mahogany or light walnut to harmonize with any scheme. Shpg. wt., 47 lbs.

82 DZ 114. Mahogany. *$5 Down.* NET
82 DZ 168. Light Walnut. *$5 Down.* EACH..................77

MODEL C36 SPEAKER ENCLOSURE

Simple, gracefully styled bass reflex enclosure that enhance beauty of any setting. Ideal for use in limited-space stereo sys —excellent for small rooms and apartments. Outstanding aco design; provides remarkably clear, realistic reproduction with 8", 12" or 15" speaker. Available in choice of stylish mahoga light walnut. Size: 29¼" high, 19⅜" wide and 15⅞" deep. Wi legs. Shpg. wt., 47 lbs.

82 DZ 844. Mahogany. *$5 Down.* NET
82 DZ 846. Light Walnut. *$5 Down.* EACH 77

MODEL D131 FULL-RANGE HI-FI SPEAKER

NET $\$88^{50}$ **$5 down**

Precision-built 12" hi-fi speaker that can be either singly or as a woofer in a multi-way sys The combination of excellent design and superb struction provides full, distinct bass and sm extended treble. Frequency response, ±5 db 17,000 cps. Has magnetic circuit weighing 1 Also features 4" aluminum voice coil and hyd cally formed, 4" duraluminum center dome for magnificent rang clarity. Recommended for use in small enclosure. Impedanc ohms. Power handling capacity, 25 watts. Rigid cast alum frame. Resonance, 39 cps. Depth, 5". Shpg. wt., 21 lbs.

82 DU 129. *$5 Down.* NET......................88

MODEL D130 15" FULL RANGE HI-FI SPEAKER. Generally acknowle as one of the finest extended-range loudspeakers made. Ha the features of the D-131 above, including 4" edgewise-woun minum ribbon voice coil. Capacity, 25 watts. Resonance, 37 Depth, 5½". Shpg. wt., 23 lbs.

82 DU 125. *$5 Down.* NET..............................9

ECONOMY SPEAKERS, TWEETER, AND CROSSOVER NETW

MODEL D208 8" SPEAKER. Similar to D130, above. Respons 13,000 cps. Capacity, 12 watts. Resonance, 55 cps. 2" voice 3½-lb. magnetic circuit. Imp., 8 ohms. Depth, 2⅞". 6 lbs.

82 D 126. *$2 Down.* NET..............................3

D216 8" SPEAKER. Same as D208 above, but with 16 ohms imped

82 D 113. *$2 Down.* NET..............................3

MODEL D123 12" SPEAKER. An extended range 12" speaker feat ultra-shallow frame design—only 3⅝" deep. Response, 30-1 cps. 3" voice coil. Capacity, 20 watts. Resonance, 35 cps. 5 magnetic circuit. Impedance, 16 ohms. Shpg. wt., 12 lbs.

82 DX 112. *$5 Down.* NET............................65

MODEL 075 TWEETER. Designed for two-way systems crossing o 2500 cps or higher. Gives flawless high frequency reprodu Impedance, 16 ohms. Length, 3¼". Shpg. wt., 6 lbs.

82 D 118. *$5 Down.* NET..............................59

MODEL N2600 CROSSOVER NETWORK. Not illustrated. For use 075, above, and D130, D131, D123 and D216 speakers. Cross 2500 cps. 16 or 32 ohms. Size, 4¾x6x3½". Wt., 3¾ lbs.

82 D 199. *$2 Down.* NET..............................2

MODEL LE8 8" HI-FI SPEAKER

NET $\$59^{70}$ **$5 down**

Linear-efficiency type speaker of unique desig livers remarkably clean response. Designed f stallation in small shelf-type enclosures. S cone suspension and large voice coil provid dynamic range. Rigid cast aluminum frame is resonant—speaker may be front or rear-moun enclosure or installed in wall. Response, 30-15,000 cps. Cap 20 watts. Depth 4⅜". Wt., 11 lbs.

70 D 466. *$5 Down.* NET..............................59

C49 "DALE" SPEAKER ENCLOSURE

A diminutively styled speaker enclosure for placement on any shelf or table. Features solid, wood-welded joints to min vibration. Has built-in hangers for wall mounting. Finished on sides in hand-rubbed veneers. 12x23¾x11⅝". **Specify maho light walnut or natural birch.** Shpg. wt., 28 lbs.

70 DU 458C. *Only $5 Down.* NET......................6

MODEL D49LE8 SPEAKER SYSTEM. Above enclosure with LE8 sp (above) installed. **Specify finish.** Shpg. wt., 39 lbs.

20 SA 159C. *Only $5 Down.* NET......................11

High-Fidelity Speakers and Speaker Systems by...

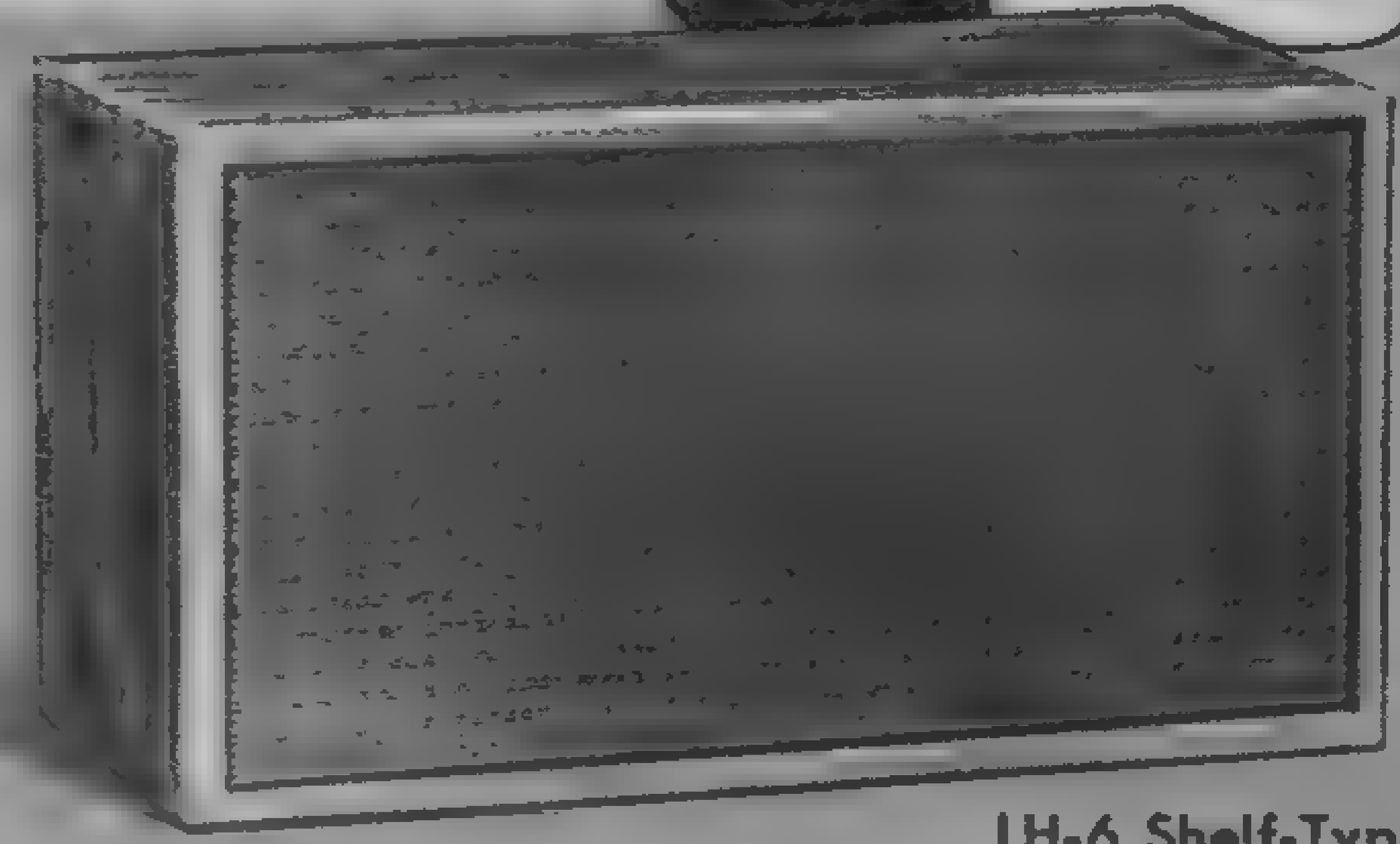
Economical "S[illegible]" [illegible]

MODEL LH-6 SHELF-TYPE 2-WAY SPEAKER SYSTEM

NET **$56.35** $5 down

Specifically designed for limited-space applications, the LH-6 offers excellent performance at moderate cost, from an enclosure only one-half cubic foot in volume. Provides smooth, extended bass response with minimum distortion. Features specially designed, high compliance 6" woofer, 2¾" tweeter and electrical crossover network, crossing over at 1500 … Enclosure is infinite baffle type, with heavy acoustical lining. …ency response is 50-15,000 cps. Power handling capacity, 20 … Impedance, 8 ohms. **Available in choice of mahogany, blonde** …nut—looks well in any decorative motif. Size: 9" high, 17⅝" … and 8⅜" deep. Shpg. wt., 14 lbs.

…U 668C. *Specify Finish.* NET 56.35



LH-6 Shelf-Type 2-Way Speaker System

MODEL 850D 8" SPEAKER

…nusually fine, low-cost 8" speaker that's ideal in economy …phonic or stereo music systems or for replacement use in radios … television sets. An excellent choice as an extension speaker to …d hi-fi throughout your home. Smooth, clean frequency re… from 50-12,000 cps. Has non-warping, aluminum base voice … Power handling capacity, 15 watts. 6½ oz. alnico V magnet. …dance, 8 ohms. Shpg. wt., 3 lbs.

… D 518. NET 10.73

MODEL 1201B 12" WIDE-RANGE SPEAKER

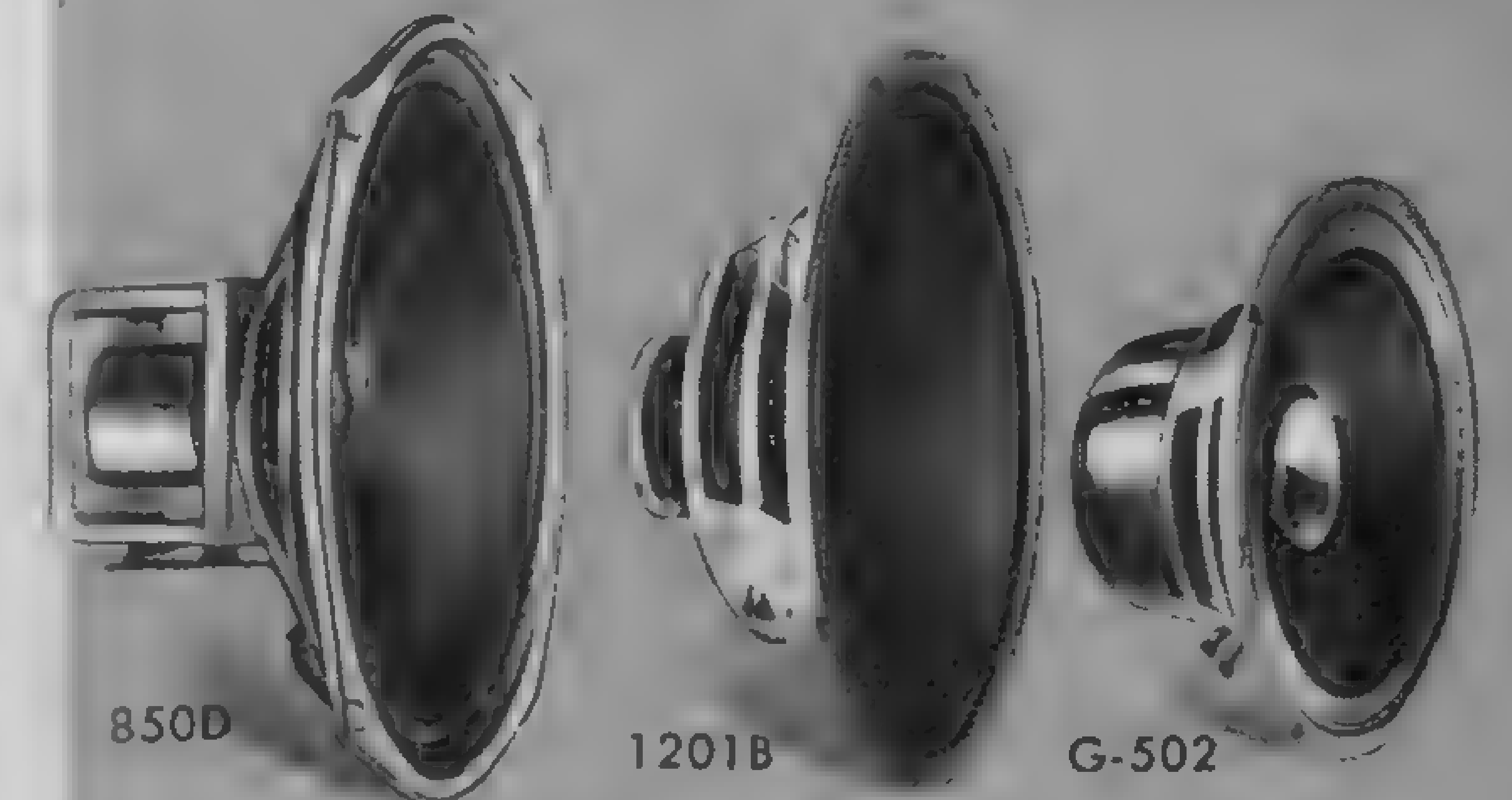
…oved version of unusually popular 1201A wide-range speaker. …res smooth, extended frequency response. Delivers outstanding …rmance in low-cost stereo and monophonic music systems or … extension speaker. Its economical price makes it highly suit… for use in a wide variety of P.A. and paging applications where … quality sound is desirable. Response, 48-13,000 cps. Power …ing capacity, 25 watts. 14½ oz. alnico V magnet. Impedance, …s. Shpg. wt., 7 lbs.

… DX 506. NET 19.55

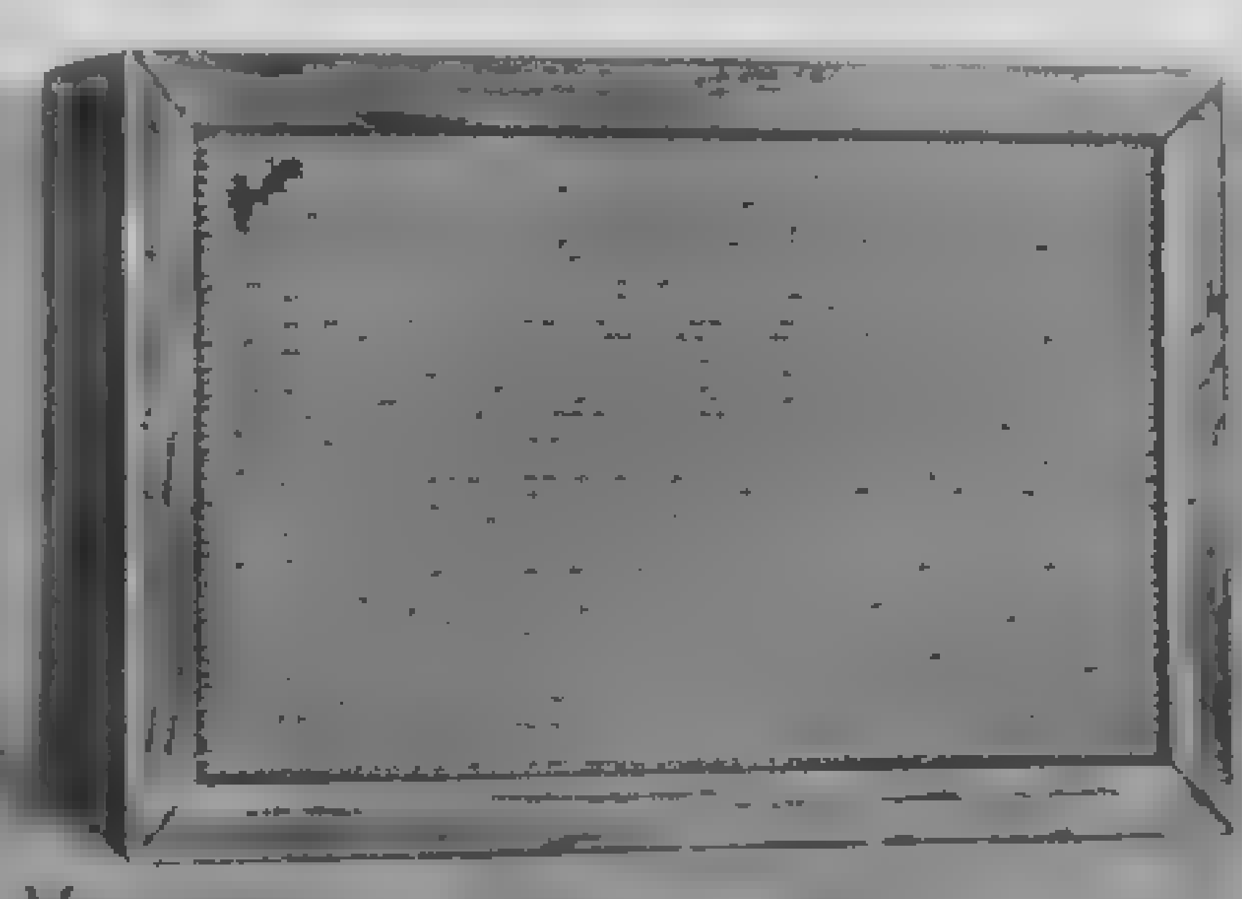
MODEL G-502 DUAL-CONE 12" SPEAKER

…nded-range speaker that uses "whizzer" cone for exceptional …y high frequency response. Frequency response, 30-16,000 cps. … handling capacity, 25 watts. 14½ oz. alnico V magnet. …dance, 8 ohms. Shpg. wt., 6 lbs.

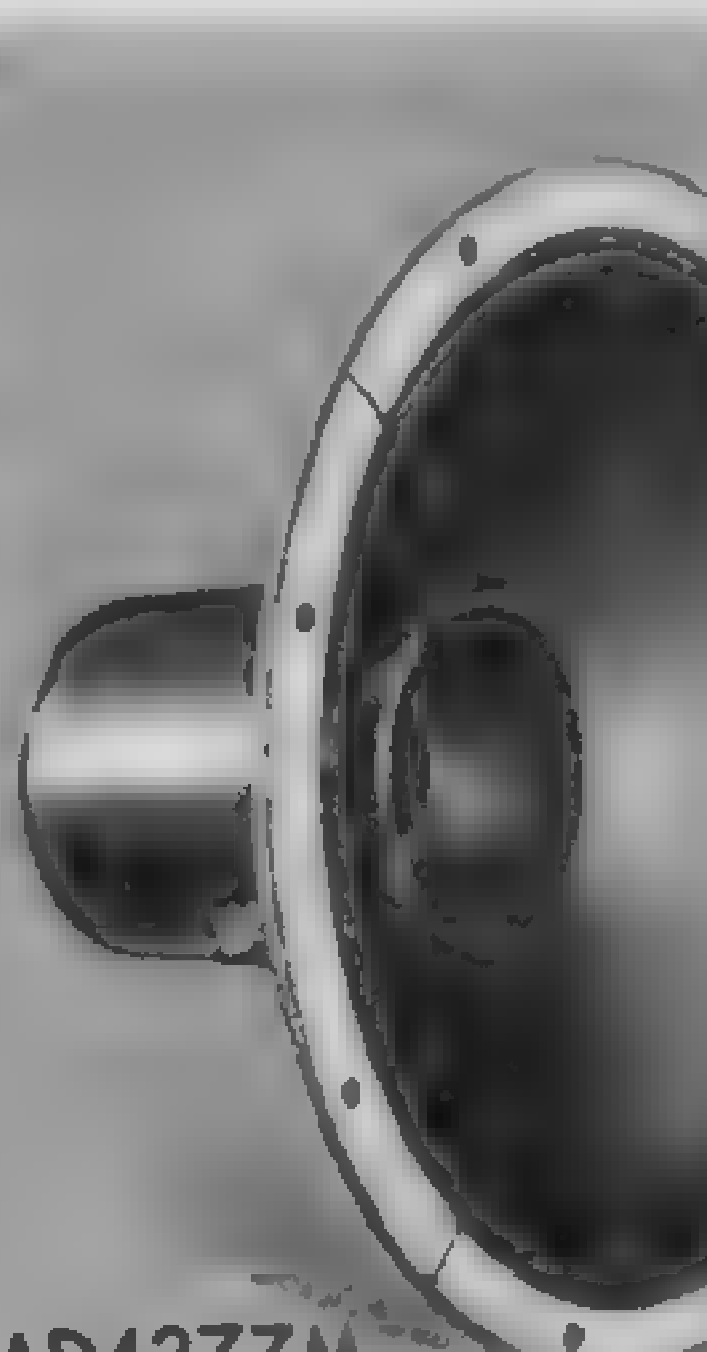
… DX 500. *$2 Down.* NET 34.25



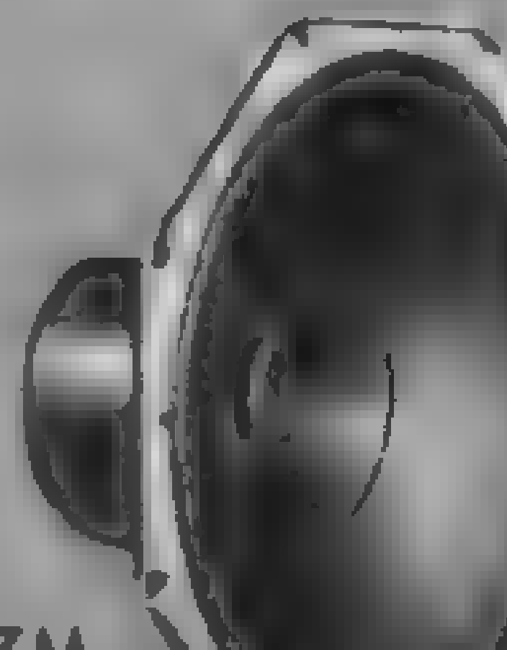
Build your own hi-fi components
See knight-kits
on pages 241-261 of this catalog



Vermeer



AD4277M Speaker



AD3877M Speaker

Norelco®

MADE IN HOLLAND

"...the clearest sound around..."

Recognized for the excellence of their numerous consumer products, Norelco now presents an outstanding group of hi-fi components. Each is designed to meet the exacting requirements of the hi-fi listener—each is backed by a world-renowned name

"VERMEER" SPEAKER ENCLOSURE

…S LOW AS $30.38 $2 down

Acoustically designed to achieve full bass response and wide dispersion in limited space, the "Vermeer" is an outstanding value in a bookshelf-type enclosure. Beautifully styled and …worked by skilled Dutch craftsmen, it …rs outstanding performance when used …ny 8" hi-fi speaker. Its clean, un…rated design adds elegance to any set… Size, 18½" high, 12" wide and 8¹⁵⁄₁₆" … Available in choice of mahogany or …ut. Shpg. wt., 20 lbs.

…U 416. **Mahogany. NET** 30.38

…U 417. **Walnut. NET** 34.30

…EER" ENCLOSURE WITH AD3877M 8" …KER INSTALLED. Complete economy … system for limited space applica… Includes enclosure above and AD… speaker (described at right) in… Cap., 6 watts; impedance, 8 ohms. …t., 22 lbs.

…A 119. **Mahogany. NET** 40.08

…SA 120. **Walnut. NET** 44.00

MODEL AD4277M 12" SPEAKER

NET $38.22 $2 down

Outstanding low-cost high fidelity speaker. Incorporates magnet made of Ticonal-7 steel—30% more powerful than conventional magnet materials. Dual cones provide excellent frequency response throughout the entire audio spectrum with a minimum of distortion. Large cone acts as efficient acoustical generator below 10,000 cps; smaller cone extends from 10,000 cps up. May be used in any type of enclosure with favorable results. Power handling capacity, 20 watts. Depth, 6". Frequency response, 35-18,000 cps. Impedance, 8 ohms. Shpg. wt., 8 lbs.

82 DX 411. *$2 Down.* NET 38.22

MODEL AD5277M 12" HI-FI SPEAKER. Deluxe, higher efficiency version of speaker above. Has 1¾-lb. Ticonal steel magnet. Twin cones give extremely smooth response from 35-18,000 cps. Resonance, 45 cps. Power handling capacity, 20 watts. Impedance, 8 ohms. Depth, 6⁹⁄₁₆". Shpg. wt., 10 lbs.

82 DX 410. *$5 Down.* NET 58.31

MODEL AD3877M 8" SPEAKER

NET $9.70

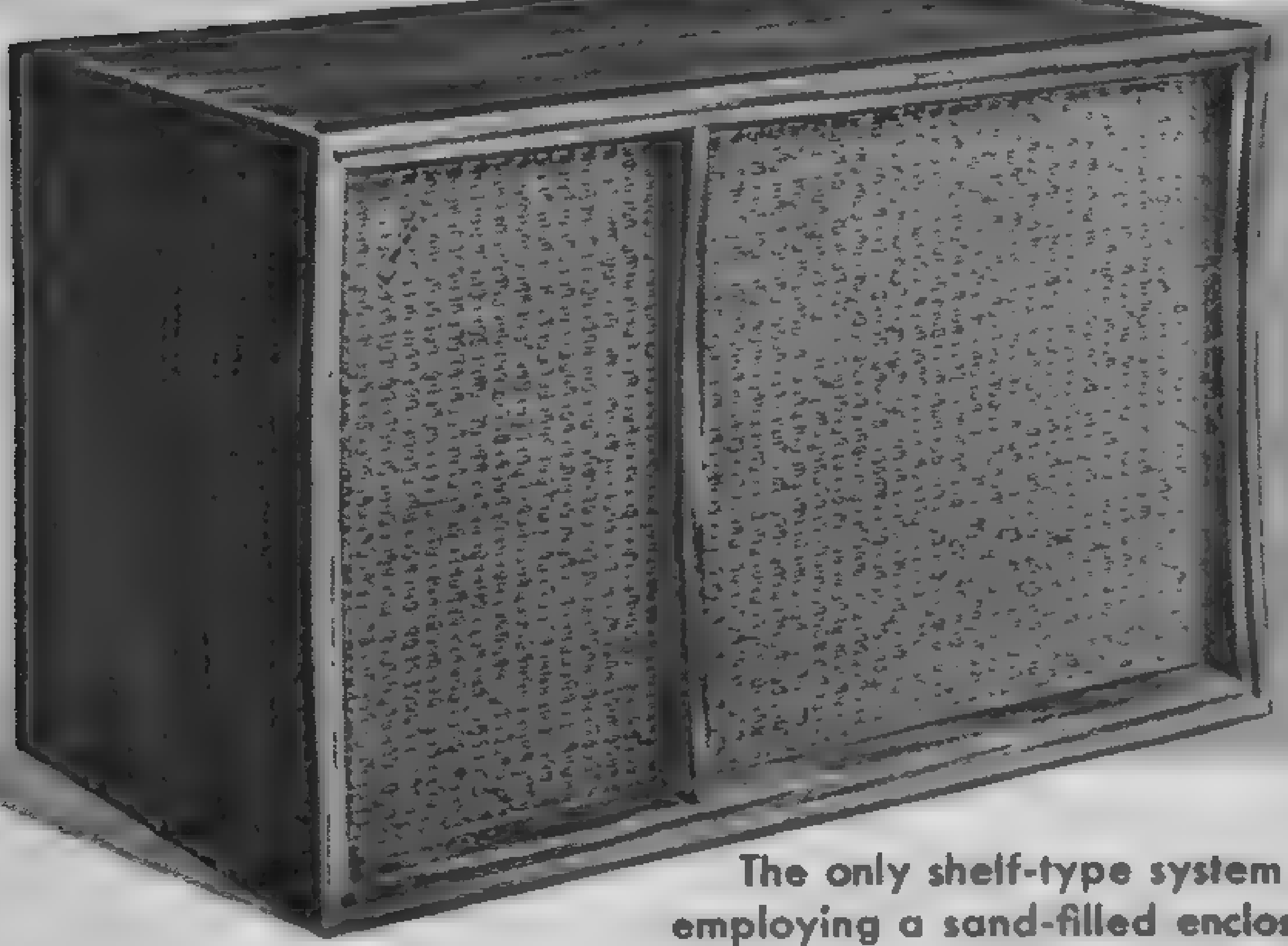
Economical, wide-range 8" high-fidelity speaker for use in low cost monophonic and stereo music systems. Employs twin cones for smooth clean reproduction throughout the listening range. Large cone reproduces bass, mid-range and high frequencies up to 10,000 cps. Smaller cone reproduces very high frequencies above 10,000 cps. Magnet is cast from Ticonal steel for efficiency 30% greater than that with conventional magnet materials. Unit is perfectly mated to "Vermeer" enclosure shown at left. Frequency response, 55-12,000 cps. Resonance, 75 cps. Power handling capacity, 6 watts. Depth, 3½". Shpg. wt., 2 lbs.

70 D 512. NET 9.70

MODEL AD4877M 8" HIGH-FIDELITY SPEAKER. Deluxe 8" speaker for installation in medium cost music installations. Frequency response, 50-20,000 cps. Power handling capacity, 6 watts. Resonance, 60 cps. Impedance, 8 ohms. Depth, 4¹³⁄₁₆". Shpg. wt., 5 lbs.

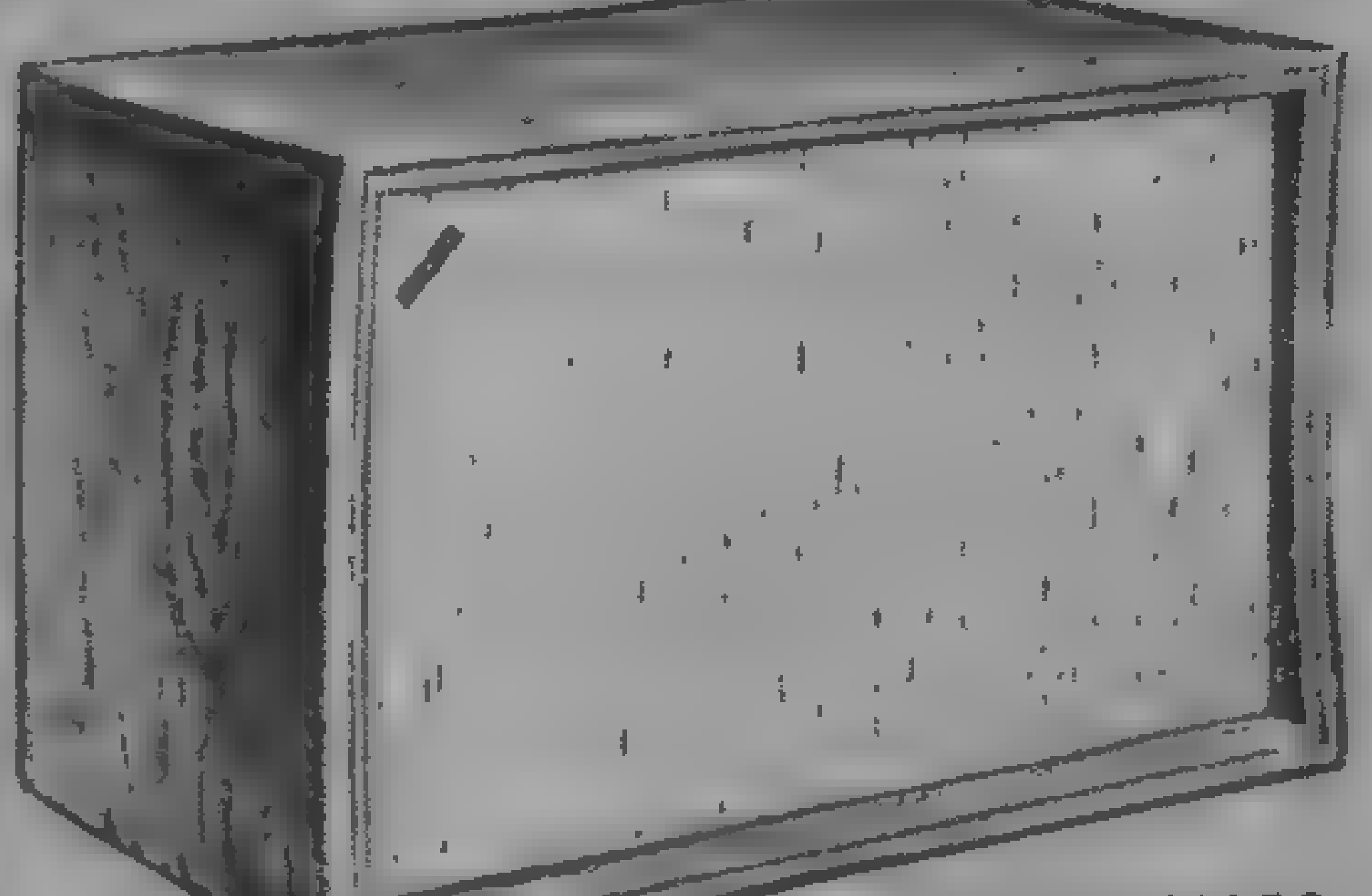
82 D 412. *$2 Down.* NET 25.48

Wharfedale ...truly impressive sound



The only shelf-type system employing a sand-filled enclosure

Imported from Great Britain



Model W50

W70

Model '60 2-Way Speaker System

AS LOW AS

$94.50

$5 down

- Clear, True, Resonance-Free Bass Response
- Speakers Critically Tuned to Enclosure
- Includes 12″ Woofer and New 5″ Tweeter
- Handsome, Contemporary-Styled Enclosure With Sturdy, ¾″ Panels

Built to please the most critical audio connoisseur and priced to take its place in the moderate-priced music system, the Wharfedale '60 is an outstanding value. It is the only bookshelf-type speaker system employing the famous sand-filled principle—two layers of wood with a completely inert filler of dry sand between them. This remarkable feature produces full, rich bass—down to 20 cycles—without spurious resonances that interfere with listening pleasure. Responsible for the sound artistry of the system is a highly effective combination of specially-designed 5″ tweeter and 12″ woofer critically tuned to the enclosure, plus LC-type crossover network crossing at 1500 cycles. These unique components are individually tailored to the system and perfectly matched (because of this, no part of the system is available separately). Enclosure is built of solid ¼″ hardwood panels to eliminate vibrations.

Handsomely styled unit plays well horizontally, vertically or on its back. Finished on four sides. Impedance, 8 ohms. Size. 14¼x24x13″. **Available in mahogany or oiled walnut veneers (also unfinished, below).** Shpg. wt., 50 lbs. *$5 Down.*

70 DU 038C. *Specify Finish.* **NET** 109.50

70 DU 039. **Unfinished.** *$5 Down.* **NET** 94.50

MODEL W50 2-WAY SPEAKER SYSTEM

AS LOW AS

$79.50

$5 down

Moderately-priced speaker system designed for u in limited-space music systems. Employs two sp cially designed and critically tuned speakers— woofer with 4½-lb. magnet and 5″ tweeter—in specially designed, sand-filled enclosure. Han somely finished on all four sides, the W50 produc excellent results when used in a highboy or lowb position. Because of their perfect matching, speaker, tweeter and e closure are not available separately. Treble control adjusts hig frequency response to match room acoustics. Crossover at 1500 c Power handling capacity, 20 watts. Impedance, 8 ohms. Fine fur ture veneers. 14¼x24x13. Shpg. wt., 45 lbs.

70 DZ 656. **Mahogany.** *$5 Down.* **NET** 94.5

70 DZ 657. **Oiled Walnut.** *$5 Down.* **NET** ....94.

UNFINISHED. As above, but with exterior surfaces smoothly sand to accept any paint, stain or finish you choose.

70 DZ 658. *$5 Down.* **NET** ....79.

MODEL W70 3-WAY SPEAKER SYSTEM

AS LOW AS

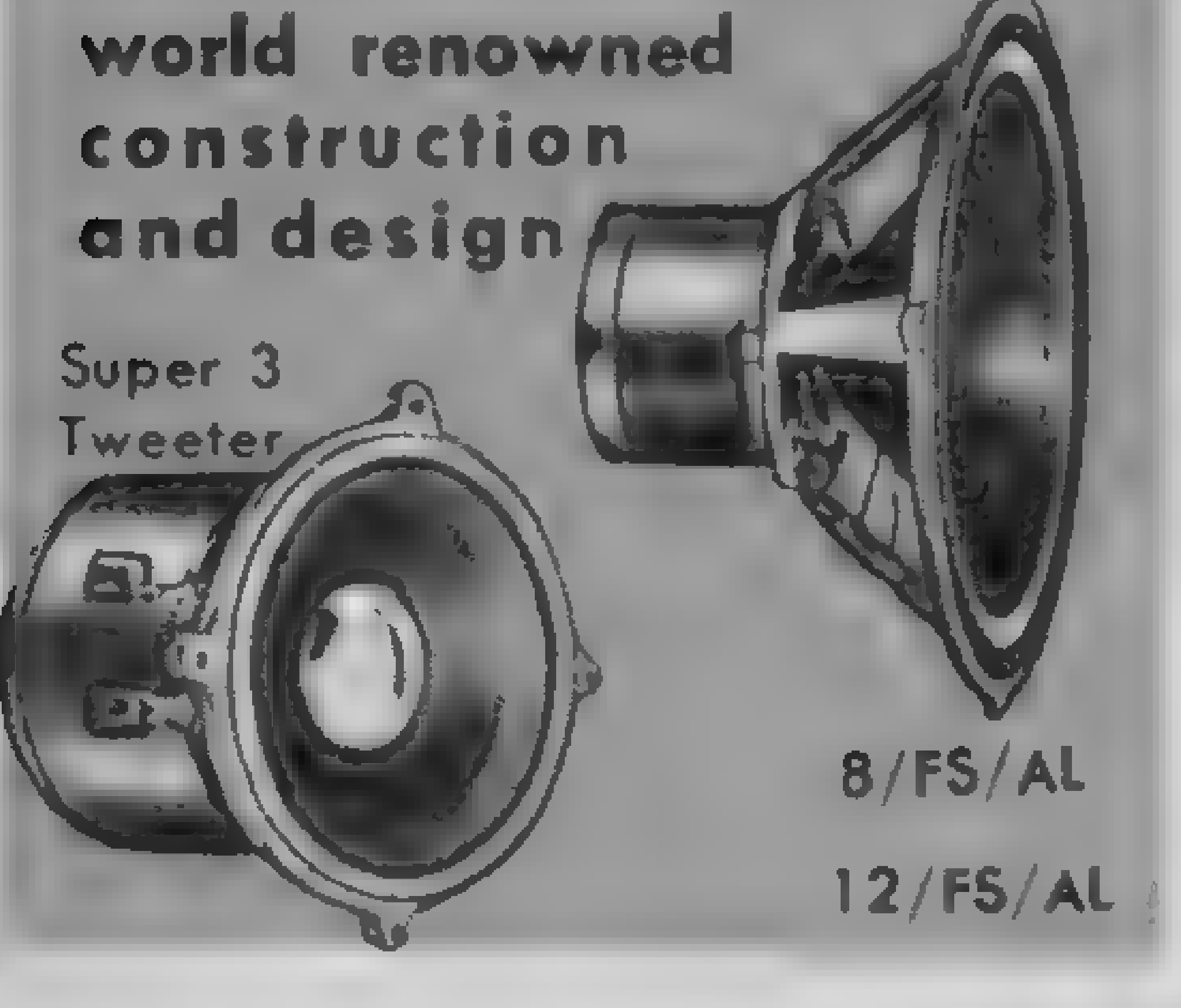
$139.50

$5 down

Deluxe full range three-way system that deliv outstanding reproduction throughout the listeni range. Employs finest quality 12″ woofer w massive 9½-lb. magnet, 8″ mid-range speaker a 5″ tweeter. Components are critically tuned sturdy ¾″ hardwood enclosure containing 9 sand filler. Result is clear, realistic sound, colored by spurious resonances. Controls adjust mid-range and h frequencies to match acoustics of the room. Crossover at 1500 a 4000 cps. Power handling capacity, 30 watts. Impedance, 8 oh Size. 24x21x12. **Available in choice of mahogany or oiled walnut** **neers.** Shpg. wt., 60 lbs. *$5 Down.*

70 DZ 659C. *Specify Finish.* **NET** ....149.

70 DZ 660. **Unfinished.** *$5 Down.* **NET** ....139.



Superb Wharfedale Hi-Fi Speakers, Tweeter and Crossover

SUPER 12/FS/AL 12″ SPEAKER. Superior performing 12″ high fidelity loudspeaker that delivers exceptionally smooth, realistic response. Produces excellent results in any type of enclosure. Ideal for uso in monophonic music systems—highy recommended for use in pairs in deluxe stereo music systems. Employs cone of special foam construction. Low cone resonance reduces transient distortion to an absolute minimum and eliminates unnatural "boom." Carefully wound voice coil achieves amazingly clean highs. Frequency response, 30-18,000 cps. Cone resonance, 30-38 cps. Impedance, 16 ohms. Depth, 7″. Requires 10⅞″ baffle opening. Shpg. wt., 22 lbs.

82 DU 136. *$5 Down.* **NET** 89.50

SUPER 8/FS/AL 8″ SPEAKER. Excellent full-range speaker. Aluminum voice c Resonance, 55-65 cps. Imp., 8 ohms. Dep 4″. Requires 7″ baffle opening. 5 lbs.

82 D 135. *$2 Down.* **NET** ....26.

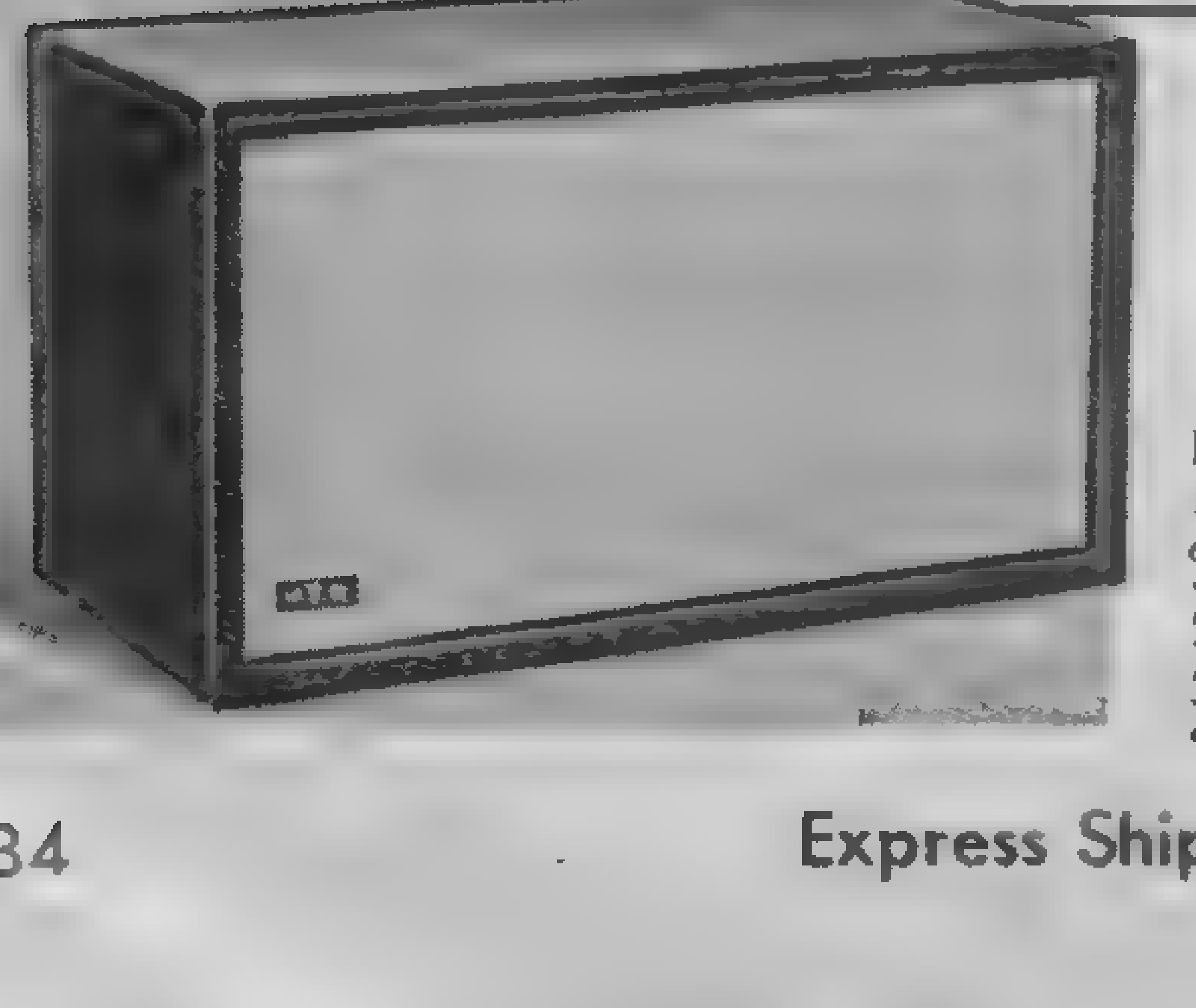
NEW SUPER 3 HIGH-FIDELITY TWEETER. livers exceptionally clean, high-freque response—from 3000 to 20,000 cycles. Id for addition to existing speaker syste Crossover, 3000 cps. Imp., 8 or 16 oh Total flux, 54,000 maxwells. Dia., 3 Depth, 2⅝″. Shpg. wt., 4½ lbs.

82 D 145. *$2 Down.* **NET** ....26.

3000 CYCLE CROSSOVER NETWORK. Imp ance, 16 ohms. Shpg. wt., 2½ lbs.

82 D 143. **NET** ....18.

KLH MODEL 6 TWO-WAY SPEAKER SYSTEM



AS LOW AS

$119.00

$5 down

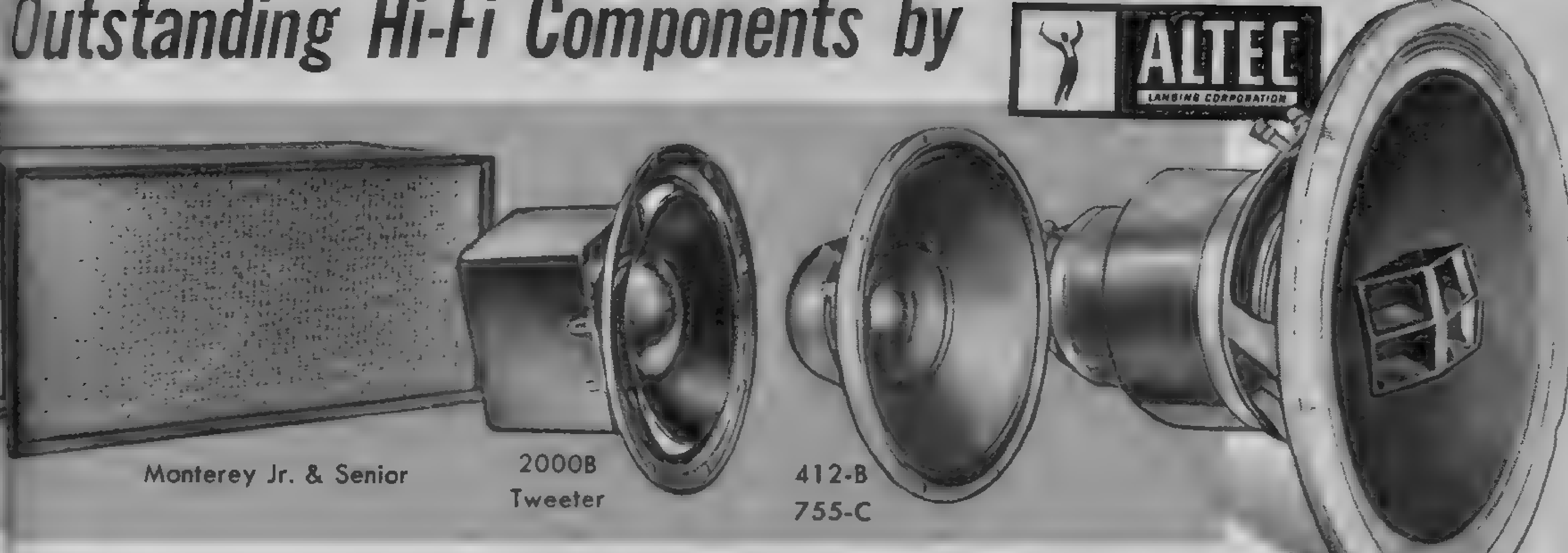
High-performance, complete-range system offering exceptiona smooth performance from 32-16,000 cps. Employs two direct-radia speakers—12″ woofer with special suspension and smaller, cone-t tweeter. Tweeter is encapsulated and cast on front panel. Neutral bo grille cloth is mounted over panel and entire assembly is pressure-gl into fiberglas-filled, sealed cabinet. Also employs an L-C type cross network. Has 3-position switch to permit balancing between low high-frequency sections. Crossover point, 1500 cps. Power handling capacity, 75 wa Impedance, 8 ohms. Size, 12⅝x23½x11⅞″. ¾″ veneered plywood. Available in mahog or walnut or unfinished with surfaces smoothly sanded. Shpg. wt., 36 lbs.

72 DU 790. **Mahogany.** *Only $5 Down.* **NET** ....129.

72 DU 792. **Walnut.** *Only $5 Down.* **NET** 134

70 DU 475. **Unfinished.** *Only $5 Down.* **NET** 119

Outstanding Hi-Fi Components by ALTEC



MONTEREY JUNIOR 2-WAY SPEAKER SYSTEM. Economy-priced, compact 2-way speaker system. Ruggedly designed, ported bass-reflex enclosure houses Altec's 402B 8" controlled linear-suspension speaker; 2000-cycle capacitor-type crossover network; and 0B direct radiator cone tweeter. Used in pairs, these compact systems make an ideal stereo speaker system. Finished on all four sides—can be placed horizontally or vertically. Frequency range: 45-18,000 cps. Power handling capacity, 15 watts. Impedance, 16 ohms. Size, 11¼" high, 23" wide and 11¼" deep. **In mahogany, blonde or walnut veneers specify when ordering.** Wt., 24 lbs.
DU 482C. *$5 Down.* **NET......79.50**

MONTEREY SENIOR 2-WAY SPEAKER SYSTEM. Compact, neatly styled high compliance system. Includes two 402-A 8" speakers; 00-cycle, L-C type crossover network with level control; and 3000-B high frequency tweeter with sectoral horn. 40-22,000 cps. 20 watts. 8 ohms. 14x26x14½". **Specify choice of mahogany, blonde or walnut.** Shpg. wt., lbs.
DZ 481C. *$5 Down.* **NET......174.00**

MODEL 803B WOOFER. Based on successful design used in most movie theatres. Performs with an exceptionally high degree of linearity of cone movement—produces distortion-free sound from 30-00 cps. Cone resonance, 25 cps. Power handling capacity, 30 watts. Depth, 7". Impedance, 16 ohms. Wt., 19 lbs.
DU 516. *$5 Down.* **NET......69.00**

MODEL 811B SECTORAL HORN. Smoothly distributes mid-range and highs—response from 800-22,000 cps. Perfectly matched to 803B woofer, above. Has natural exponential shape and heavy cast aluminum construction. Distribution, horizontal 90°; vertical, 40°. Less driver. 8⅝" high, 18⅜" wide and 14" deep. Wt., 11 lbs.
DU 517. *$2 Down.* **NET.....30.00**

MODEL 412-B "BIFLEX" 12" SPEAKER. High fidelity speaker employing "Biflex" multiple concentric compliance feature—entire area of the speaker cone is used for propagation of low frequencies; allows smaller, central cone area to operate independently for more efficient reproduction of highs. Employs 1½ lb. Alnico V magnet, edge-wound aluminum voice coil for high efficiency, and deep magnetic gap for maintaining good cone control with extremely low distortion. Response, 40-15,000 cps. Capacity, 20 watts. Impedance, 8 ohms. Depth, 5⅝". Shpg. wt., 15 lbs.
70 DX 478. *$5 Down.* **NET........54.00**

MODEL 755-C "BIFLEX" 8" SPEAKER. Smaller version of 412-B listed above. Response, 40-13,000 cps. Capacity, 15 watts. Depth, 2¼". Imp., 8 ohms. Wt., 6 lbs.
70 DU 514. *$2 Down.* **NET.......29.95**

MODEL 2000B HIGH FREQUENCY TWEETER. 4" direct-radiating tweeter with built-in crossover. Response, 1500-18,000 cps. Depth, 3¹⁄₁₆". Imp., 8 ohms, 2 lbs.
70 D 515. NET..................15.00

C **MODEL 802D HIGH FREQUENCY DRIVER.** Use with 811B sectoral horn (at left). 16 ohms. 30 watts. 3¹¹⁄₁₆"x4½". 8 lbs.
70 DU 518. *$5 Down.* **NET.......63.00**

D **MODEL 3000B HIGH FREQUENCY SPEAKER.** Matches "Biflex" speakers above; extends response to 22,000 cps. 8 ohms. 20 watts. 3³⁄₁₆x4⅞x4⁵⁄₁₆". Wt., 1 lb.
70 DU 519. *$2 Down.* **NET.......42.00**

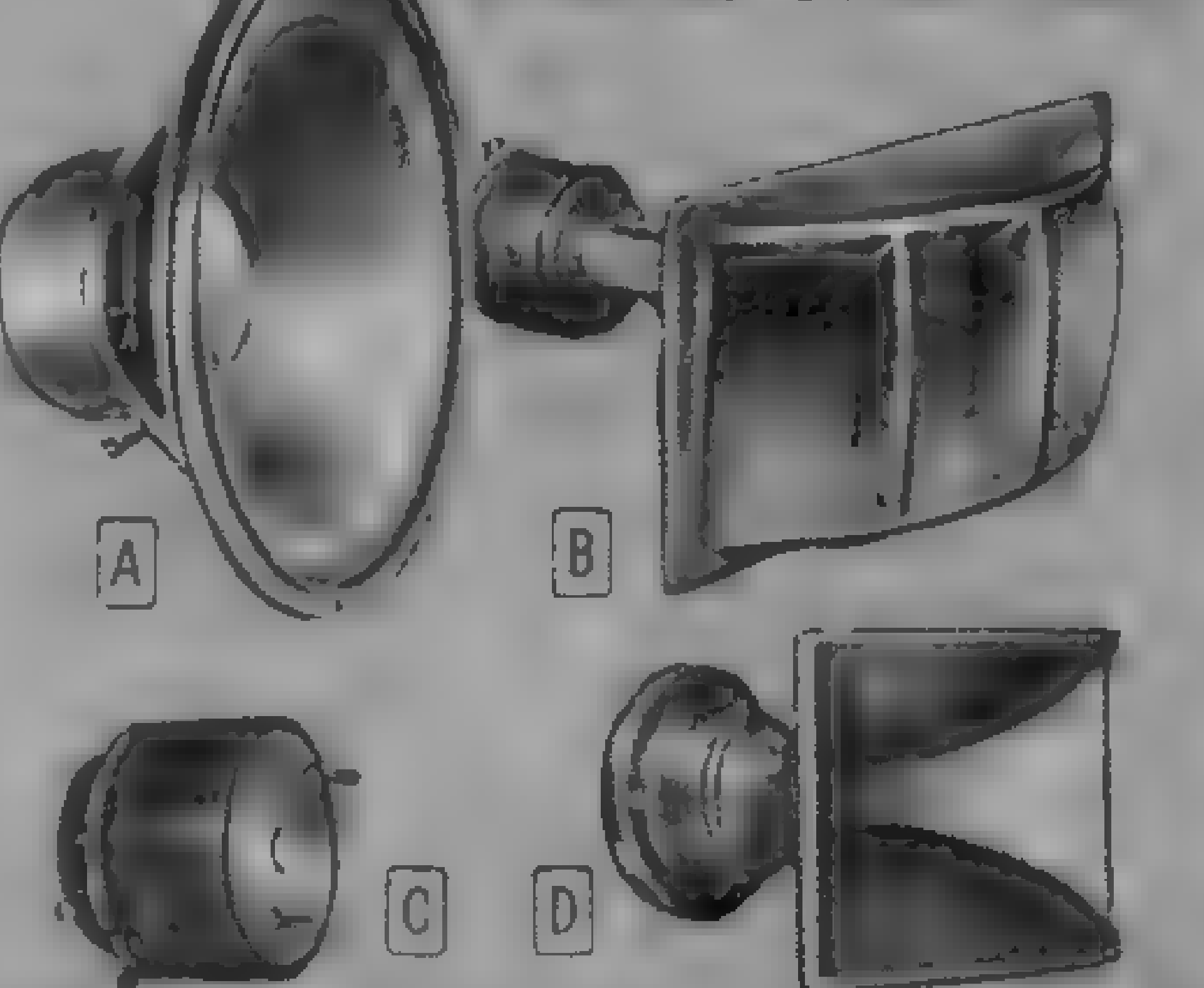
MODEL N800E CROSSOVER NETWORK. (Not illus.) For use with 802D above and 811B at left. 3¼x6x2⅝". Shpg. wt., 8 lbs.
70 DU 520. *$2 Down.* **NET.......46.50**

MODEL N3000B CROSSOVER NETWORK. (Not illus.) For use with 3000B above. Size, 2⁵⁄₁₆x4⅞x2⁵⁄₁₆". Shpg. wt., 1 lb.
70 DX 521. *$2 Down.* **NET.......22.50**

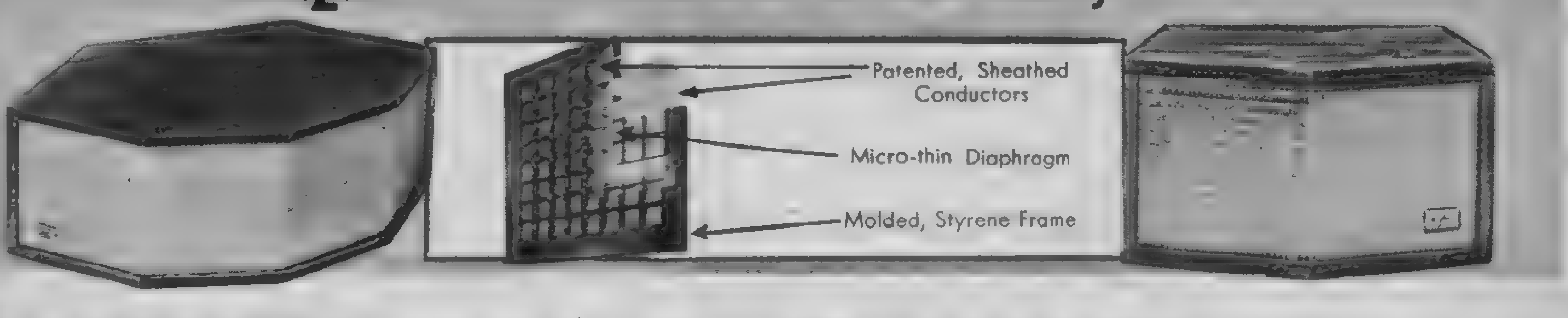
Altec 605A 15" Duplex Speaker

One of the most carefully engineered speakers available, the 605A 15" "Duplex", sets a new professional listening standard. An improved version of Altec's superb 604D, it provides breathtaking purity of sound from 20 to 22,000 cps, with unusually smooth response in the highs, controlled linearity, and clean transient response in the lows. The 605A is actually two mechanically and electrically independent speakers mounted on a single frame. Bass section features new high-compliance, woofer cone suspension. Low cone resonance of only 25 cps for clean reproduction of lowest bass notes; high-flux density magnetic field for optimum damping. Edge-wound, 3" voice coil for high efficiency. Treble section features edge-wound voice coil, aluminum alloy diaphragm, and exponential horn. Capacity: 35 watts. Crossover, 1600 cps. Magnet wts., ½ lb. and 2¼ lbs. 16 ohms. Wt., 37 lbs.
70 DU 476. *$5 Down.* **NET.....177.00**

ALTEC "THEATRE QUALITY" SPEAKER COMPONENTS



JansZen . . . For Unmatched Musical Clarity



MODEL 130 ELECTROSTATIC TWEETER. Deluxe push-pull transducer comprising four radiators and power supply. Delivers clean, life-like response from 500-30,000 cps. Each electrostatic element is individually checked for distortion and matched within 1 db for output. Designed for use with high-quality, low-efficiency type woofers sealed cabinets. Full 120° dispersion. Includes LRC high-pass . Attractive walnut finish. Size, 7¼x22x13". Impedance, 8 ohms. 110-120 v., 60 cycle AC. Shpg. wt., 16 lbs.
DU 604. *Only $5 Down.* **NET........................188.00**

UTILITY MODEL 130UA. As above, but with dull black finish.
DU 605. *Only $5 Down.* **NET........................169.00**

MODEL 65 ELECTROSTATIC TWEETER Contains two Janszen electrostatic elements individually checked for distortion and matched for output within 1 db. Music is reproduced to beyond 30,000 cps without audible or measurable distortion. Superb transient response assures that all instruments are reproduced with positive individuality—without shrillness or peaking of any kind. Cabinet includes two radiators, power supply and high-pass filter. *High Frequency Dispersion Coverage:* 60°. *Frequency Response:* 700 cps to beyond 30,000 cps. *Power Handling Capacity:* Up to 50 watts. *Impedance:* 8 ohms. Electrical Crossover Frequency: 700 cps. Walnut finish. 6¾x12¾x8½". For 110-120 v., 60 cycle AC. Shpg. wt., 10 lbs.
70 DU 453. *Only $5 Down.* **NET........................91.50**

NEW Studio-Quality 12" Turntable: Aircraft Precision . . . Striking Desig

UNCONDITION
ONE-YEAR
GUARANTEE

COMPARE IT T
UNITS COSTI
FAR MORE!

WOOD
BASE
EXTRA

KNIGHT 2-Speed Hysteresis Turntable Value

ONLY
$49.95
$2 DOWN

LOW IN
PRICE . . .
HIGH IN
QUALITY

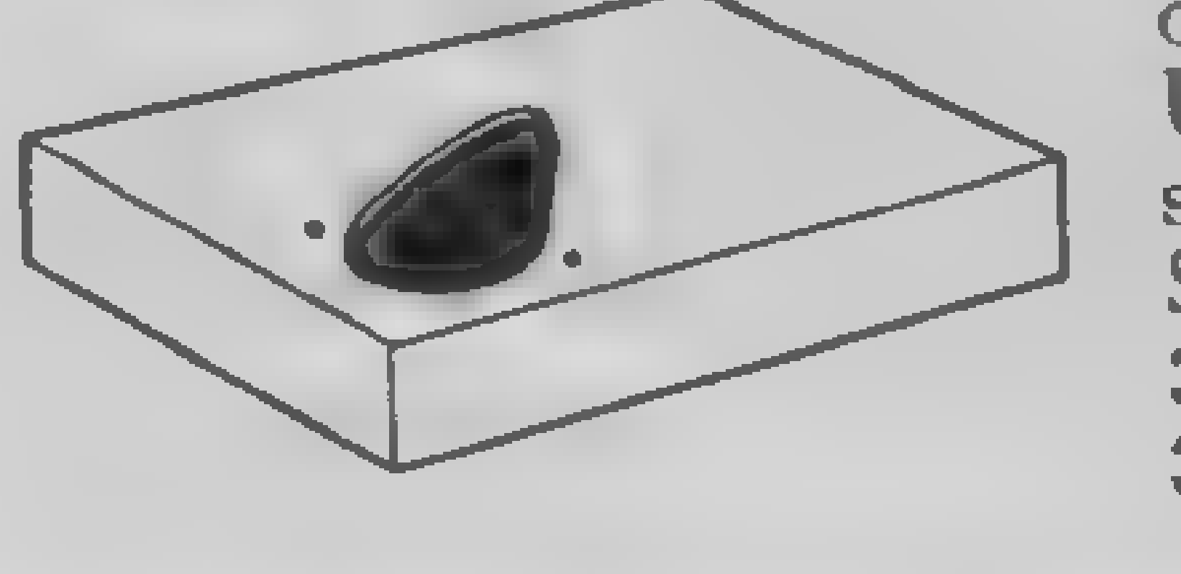
SUPERB FEATURES

- 33⅓ and 45-rpm Speeds
- Precision, Ultra-Reliable Hysteresis-Synchronous Motor
- Motor Has Unique Suspension System to Isolate Noises
- 6-lb., Cast-Aluminum Turntable
- Unique Clutch Drive Protects Idler Wheel—No Flat Spots
- Mirror-Lapped Rotating Parts for Smoothest Operation
- Wow and Flutter are Less Than 0.15% Total
- Adjustable Turntable Height; Adjustable Bearings
- Thick Rubber Turntable Pad
- Includes Adjusting Tools and Lubricating Oil
- Pilot Light "On" Indicator

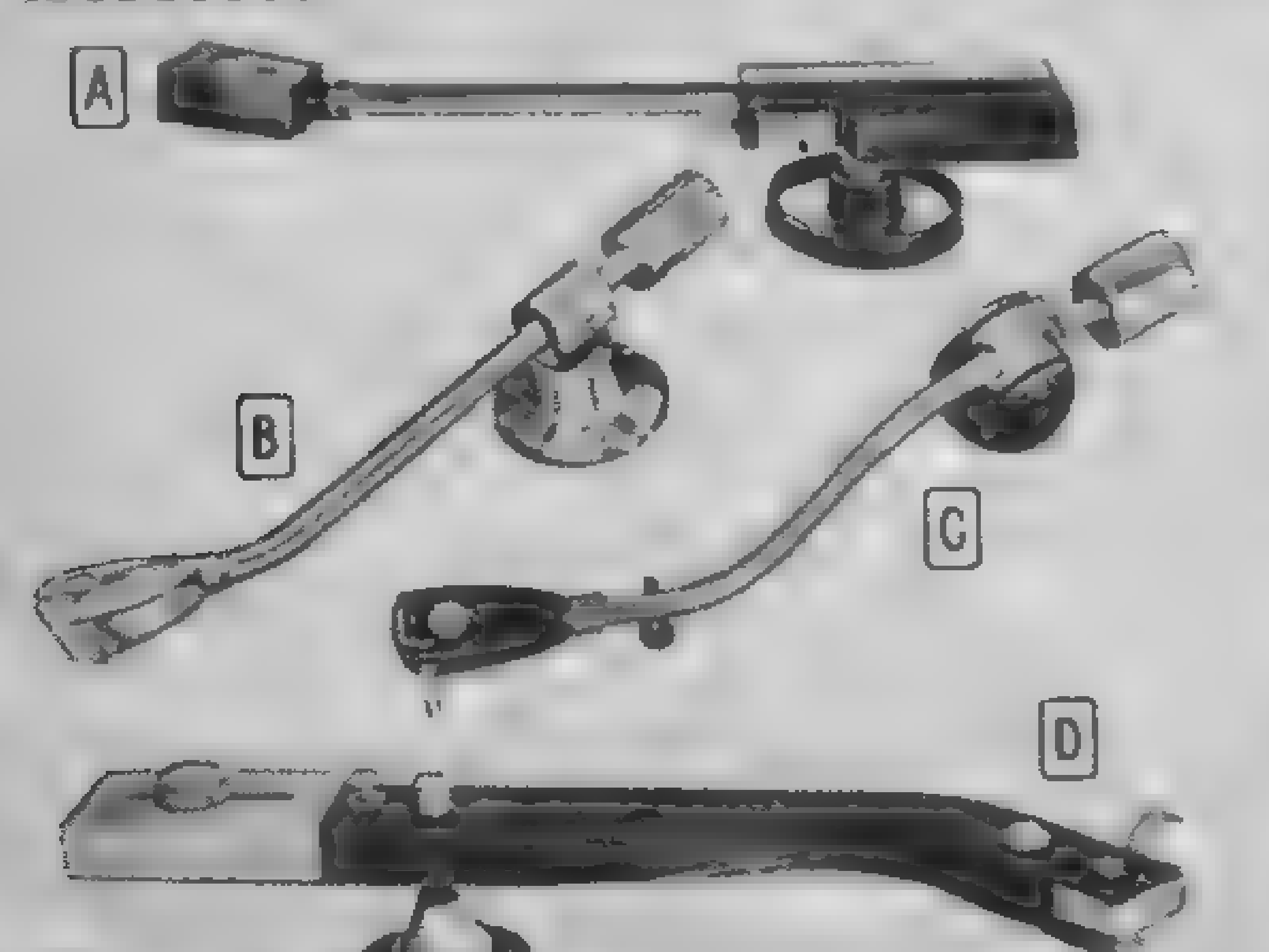
Made with all the care and precision of a finely machined aircraft pa
the new KN-1000 2-Speed Hysteresis-Synchronous Turntable surpa
the superb quality demanded of broadcast studio turntables. It is q
and absolutely dependable in operation . . . it is beautifully styled . . .
it is thoroughly professional in its specifications. Produced in England
Allied's rigid specifications, the skilled touch of English craftsmen
evident in every detail of the KN-1000. In construction and in performa
it compares favorably with the costliest of record-playing equipment.

Heavy-duty hysteresis-synchronous motor employs unique suspens
to completely isolate all motor noise; R-C network prevents switch
noises. Dynamically balanced, 6-lb. cast aluminum turntable rides
adjustable bearings. Non-absorbent rubber turntable pad, ridged
perfect record tracking. The KN-1000 takes just minutes to insta
mounting template is included. *Speeds:* 33⅓ and 45 rpm. *Hum:*—80
Flutter and Wow: less than 0.15% total. *Rumble:* 50 db below aver
recording level. Requires 4" below mounting board. With adjusting t
and lubricating oil. Less base and pickup arm, below. For 110-120
60 cycle AC. Shpg. wt., 15 lbs.
35 DU 768. *Only $2 Down.* **NET** 49

NEW! SIMPLIFIED INSTALLATION



WOOD BASES FOR ABOVE. Attractive, caref
made bases for the new KN-1000 turnta
Exact locations of holes for mounting four
ommended arms below screened on under
Unfinished base in hardwood veneer, may
stained and lacquered to match other wo
Size, 4x16¾x13¾". Shpg. wt., 6 lbs.
35 DX 770. Oiled Walnut. NET . . . .
35 DX 771. Unfinished Korina Veneer. NET . . . .



RECOMMENDED 12" PICKUP ARMS (LESS CARTRIDGE) FOR USE WITH KN-1000 TURNTABLE

A **SHURE MODEL M232.** Premium-quality arm with ball-bearings at all pivot points. 2 lbs.
89 RX 266. *$2 Down.* **NET** 29.35

B **REK-O-KUT MODEL S-120.** Popular, resonance-free arm with acoustical sectioning. 2¼ lbs.
72 RX 750. *$2 Down.* **NET** 24.95

C **ELECTRO-SONIC (ESL) S-1000.**
nowned for superb balance
tracking accuracy. 2 lbs.
72 RX 753. *$2 Down.* **NET** 34

D **GRADO.** Made of gun-stock
nut with finely machined, al
num fittings. 1¾ lbs.
89 RX 260. *$2 Down.* **NET** 2

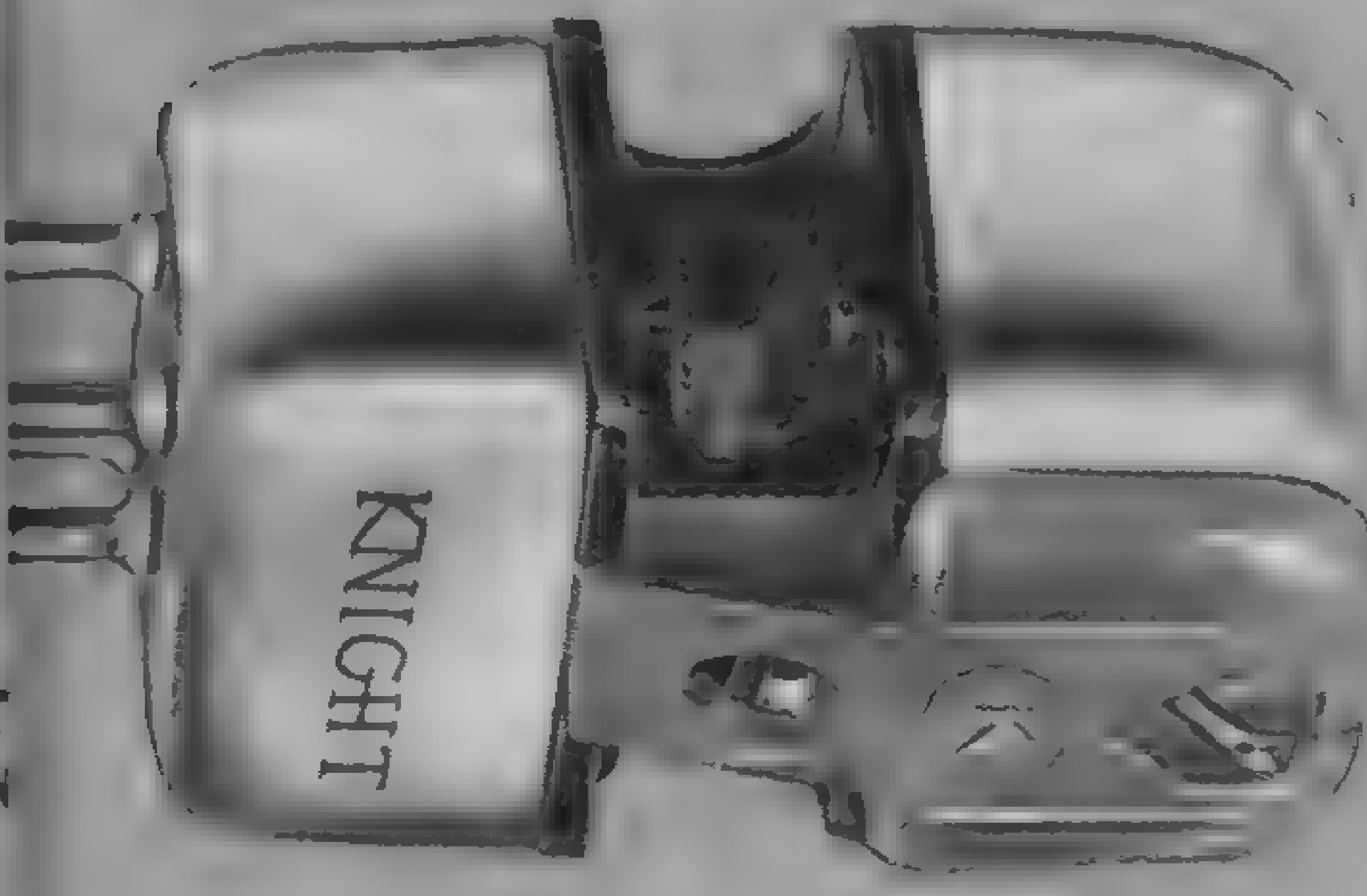
Look to Knight for Classics in High-Fidelity Design

KNIGHT Unquestionably the Greatest Values in Stereo Cartridges . . . Now at New Low Prices

KN 500

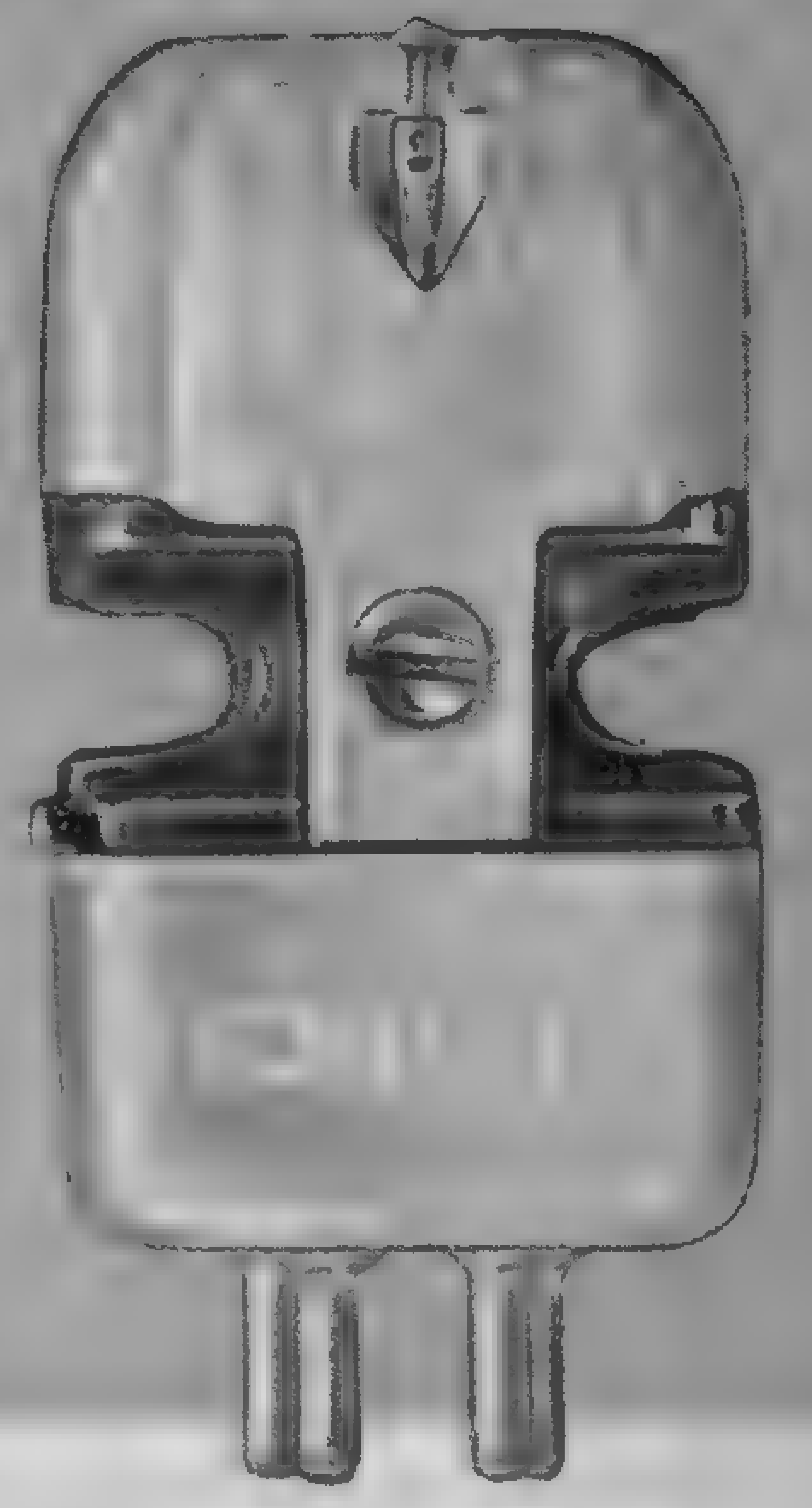
Because of the phenomenal acceptance of Knight cartridges, unusually large quantities have been produced—thus, the cost is reduced—and we pass the savings on to you!

KN 500X



BOTH MODELS HAVE:

- Diamond Stylus
- 4-Coil, Moving Magnet Design
- 8-Way, Mu-Metal Shielded Cases
- Superior Hi-Fi Specifications



KN-500 Deluxe Stereo Cartridge

NOW ONLY 12^{95}

Many thousands sold at $16.85! This is the cartridge that won nationwide acclaim for its performance and features—now available at $3.90 less than its original price. You'll hear new beauty in your stereo records, and it can be ed to play all monophonic, 33⅓ and 45 rpm LP's too! inimized moving mass and low tracking pressure can uble and even triple the life of your records—and give u dazzling sound. Front and back mu-metal shielding rtually eliminates hum. Has user-replaceable, polished 007″ diamond needle.

racking pressure, 2-8 grams. Frequency response, 0 to 20,000 cps. Compliance, 4x10^{-6} cm/dyne. Tracks udest bass passages with extreme accuracy. 4-terminal tput. Fits all pickup arms with standard ½″ mounting centers. Shpg. wt., 3 oz.

RC 220. NOW ONLY........................12.95

PLACEMENT .0007″ DIAMOND STYLUS FOR ABOVE. 2 oz.
RC 222. NOW ONLY........................7.50

KN-500X Professional Cartridge

NOW ONLY 17^{95}

A remarkable value at its original price of $19.95; now reduced by a full $2.00! Designed for the most discriminating music lover, the KN-500X is for use in professional-quality stereo equipment at low tracking pressures (1 to 4 grams). Carefully designed, it gives you extra high compliance of 6, together with guaranteed frequency response and channel balance.

Each KN-500X is individually factory checked; channels are balanced to within 1 db! Has user-replaceable .0005″ diamond stylus for precise tracking and remarkably pure treble—you get cleaner highs. Decreased mass at the stylus tip, plus very high compliance, make record wear virtually unmeasurable in normal use. Response, ±2 db, 20 to 20,000 cps. Compliance, 6x10^{-6} cm/dyne. Standard ½″ mounting centers. Shpg. wt., 3 oz.

89 RC 225. NOW ONLY........................17.95

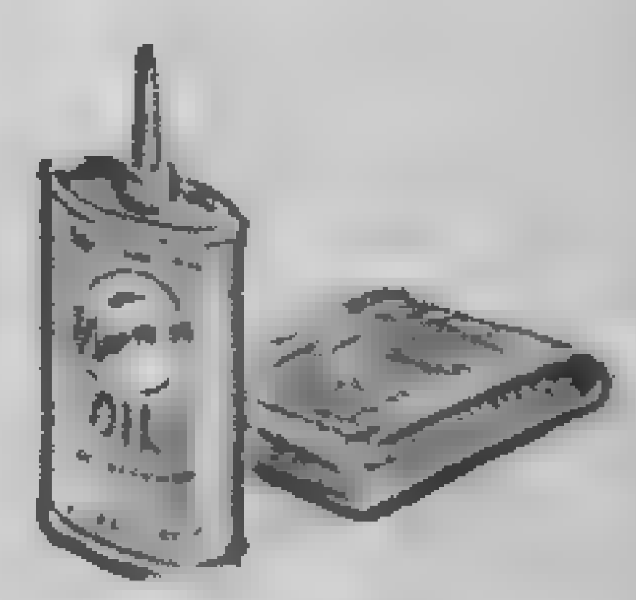
REPLACEMENT .0005″ DIAMOND STYLUS FOR ABOVE. 2 oz.
89 RC 246. NOW ONLY........................9.95

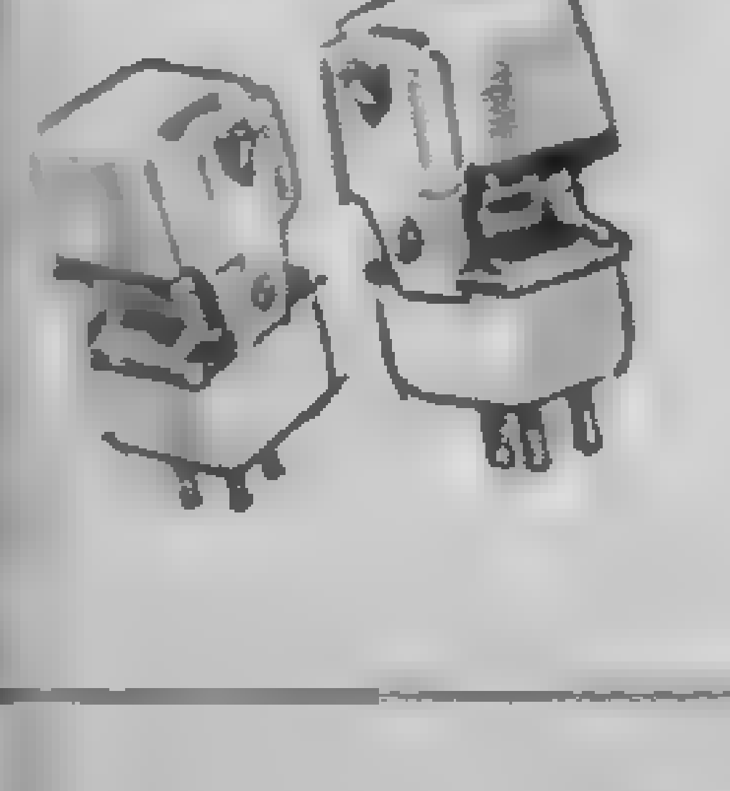
UNCONDITIONALLY GUARANTEED FOR ONE FULL YEAR!

WHAT TO LOOK FOR WHEN CHOOSING RECORD PLAYING EQUIPMENT—HOW TO CARE FOR IT

Selecting a Turntable. As always, "specs" are your best guide. Look for low hum and noise figures; low rumble specifications. For smooth, reliable operation a turntable employing a hysteresis-synchronous motor is an excellent choice.

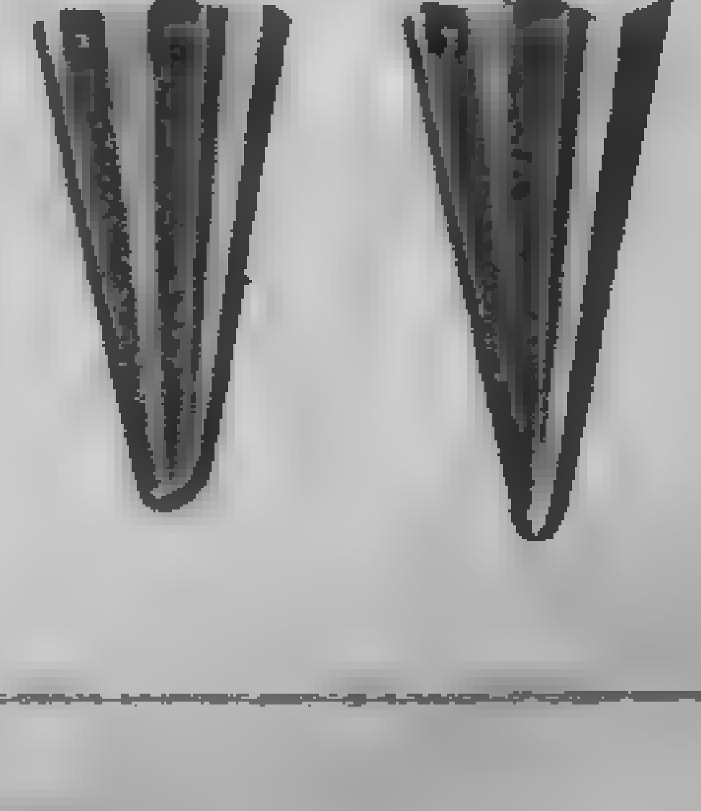
Caring For Your Turntable. Remember, it's a mechanical, as well as an electrical device. Keep the bearings oiled according to the manufacturer's advice—make minor adjustments as they are called for in the instruction manual.





Selecting a Cartridge. Let compliance guide you here—the more compliant (flexibility of side-to-side and up-and-down motion), a needle, the easier it tracks the lateral and vertical grooves of stereo records—and monophonic LP's too.

Caring For Your Needle. A diamond is a "must"! But even a diamond can wear out. Don't risk ruining your records with a worn, chisel-edged needle—check your needle tip at regular intervals. And keep a spare handy—it pays!



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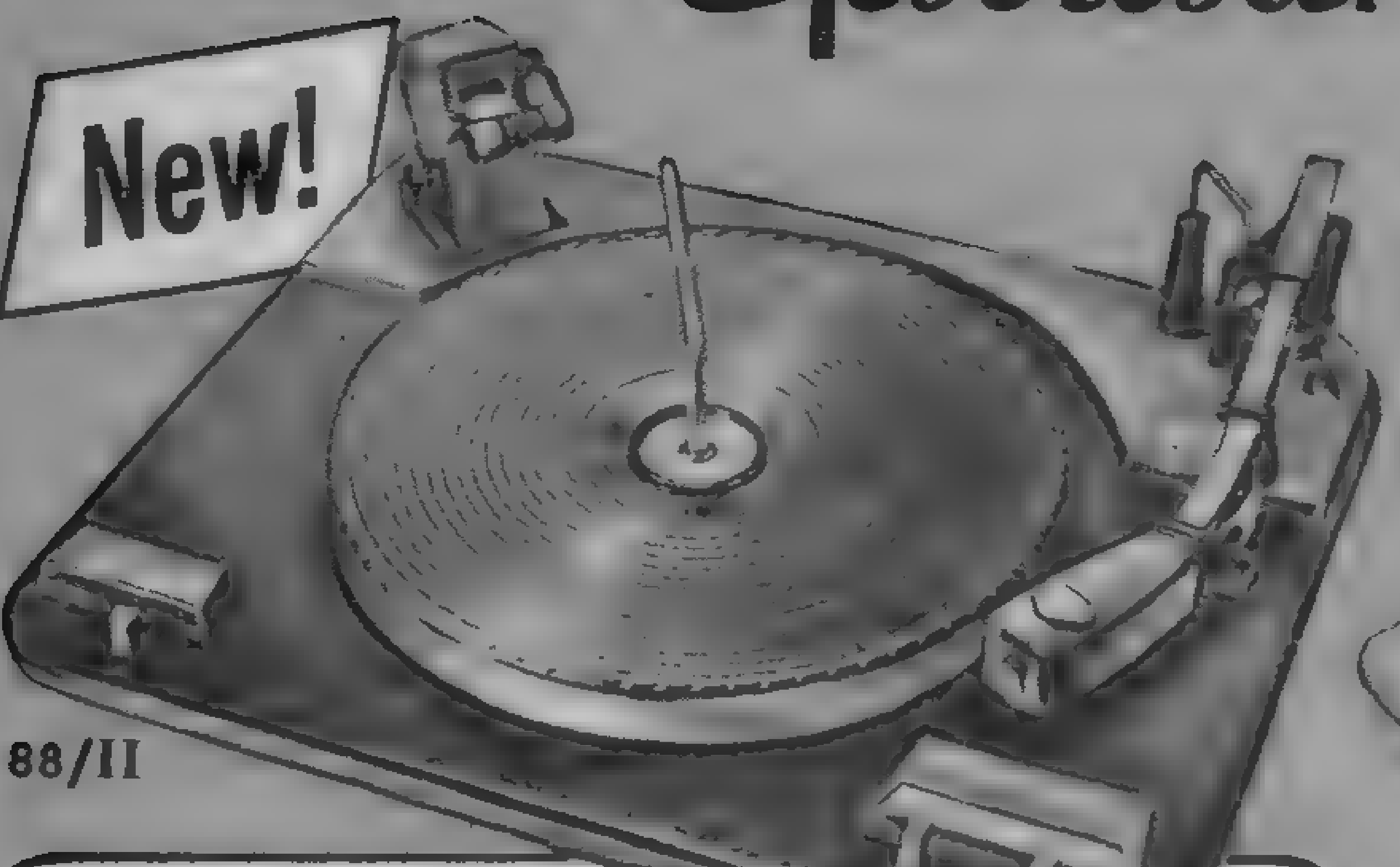
Garrard . . . The Superb Changer

IMPORTED FROM
GREAT BRITAIN



88/II

- New Motor
- Aluminum Pickup Arm
- Highest Quality Materials and Workmanship

21

NEW 88/II Deluxe Record Changer

ONLY
$59⁵⁰
only $5 down

New, finer-than-ever version of the world-famous RC-88 deluxe record changer. Combines the time-proven Garrard pusher-platform mechanism for positive, gentle handling of all records, with a new precision motor and a new cast-aluminum pickup plus many other important improvements. Fully wired for stereo and monophonic use with new 4-pin system for elimination of any possibility of hum. Lightweight arm tracks all records perfectly at recommended cartridge pressures—easily adjusted. Plug-in shell has new positive lever-lock to insure non-resonance. Switch selects either fully automatic or manual operation. Motor is built to precise tolerances and is accurately balanced for on-speed, rumble-free performance—assures excellent reproduction of stereo recordings. Plays at 16⅔, 33⅓, 45 and 78 rpm. Rubber mounted springs provide isolation from external shock, vibration.

Minimum mtg. space: 15½" W, 13¼" D, 3⅞" below and 5¾" above mounting board. With plug-in head, automatic spindle, manual spindle, 45 rpm manual adapter, line cord, output cables. Less cartridge, 45-rpm automatic spindle. For operation from 110-130 volts, 60 cycle AC. 15 lbs.

89 RX 715. *Only $5 Down.* NET......................59.50
89 RX 662C. Wood Base. For above. In walnut, limed oak or mahogany—*specify finish.* 3¾x15¾x13¼" 4 lbs. NET..........4.49

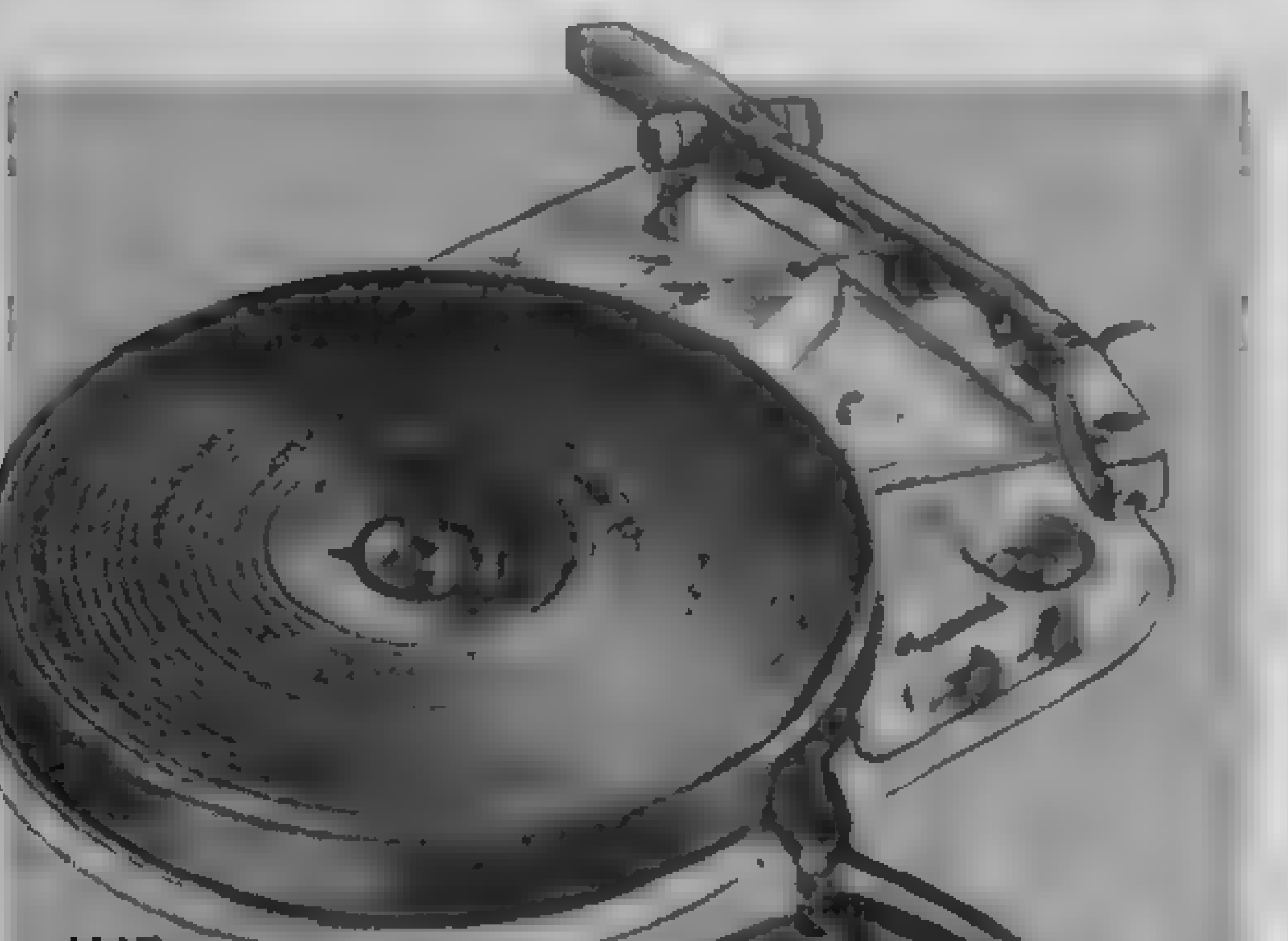
Model 210 4-Speed Automatic Changer

ONLY
$44⁵⁰
only $2 down

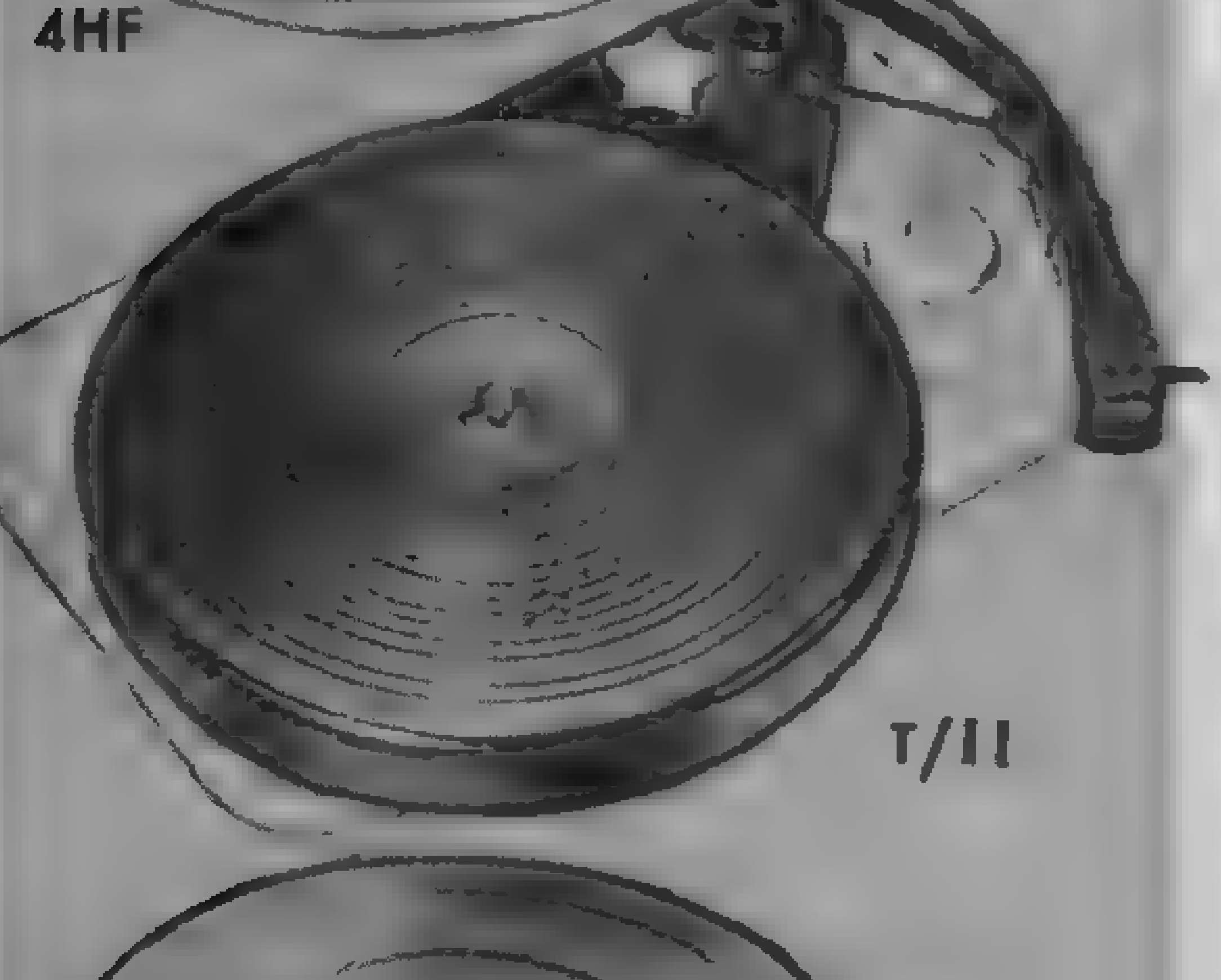
- Plays 10" and 12" Records in Order of Decreasing Size
- Handles Records Smoothly and Ge
- Accepts All Standard Cartridges

Wired for stereo, this popular, budget-priced changer has Garrard center-drop mechanism for smooth, reliable operati Records of the same speed may be stacked in order of size for in mix playing. 3 "legs" provide level support without requirin base—also mounts conventionally. All controls are of "side/sli design for simplest operation; selector instantly chooses 16⅔, 3 45 and 78 rpm. Has improved 4-pole "induction-surge" mo Handsome finish and lustrous metal trim. Minimum mtg. sp 14⅞" W, 13" D, 5" above and 3⅛" below mtg. board. With plu head, output cables. Less cartridge, 45-rpm automatic spindle. 100-130 v., 60 cycle AC. 12½ lbs.

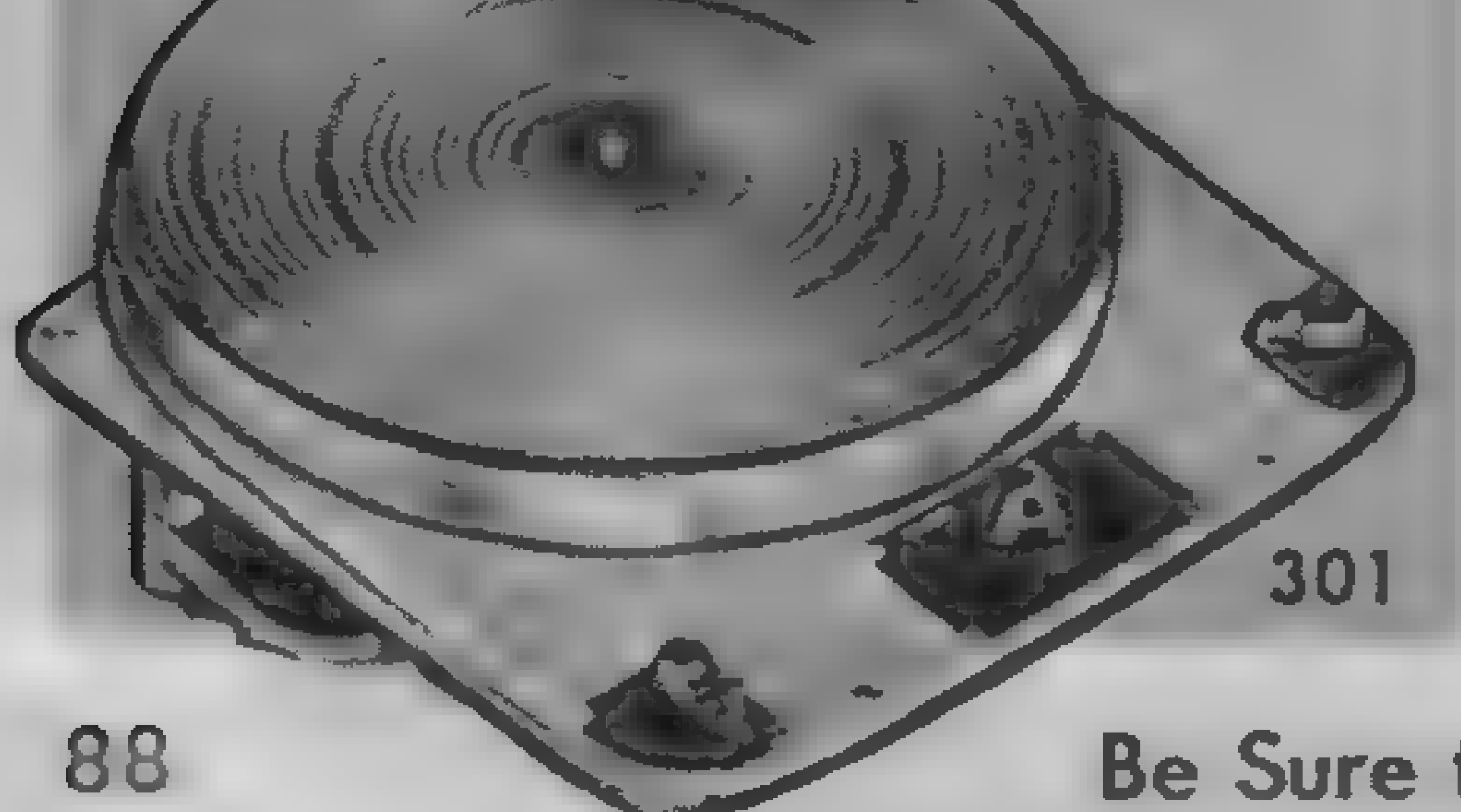
89 RX 572. *Only $2 Down.* NET.....................44.
89 RX 636C. Wood Base. For above. In walnut, limed oak mahogany—*specify finish.* 3¾x14½x13". 4 lbs. NET.........4.



4HF



T/II



301

Model 4HF Manual 4-Speed Player

Music lovers will appreciate the excellent performance of this deluxe, top-quality turntable and pickup arm combination. Precision-balanced turntable and transcription-type pickup arm are installed on a convenient mounting plate. Pickup arm is wired to accept any stereo or monophonic cartridge. Plays records at all 4 speeds—16⅔, 33⅓, 45 and 78 rpm. Features a variable "plus or minus" speed adjustment on each speed. Convenient automatic "start-stop" mechanism is built into pickup arm—simply lift pickup and swing it slightly to the right to start; automatically shuts off when record has played. Includes "defeat" control for manual operation. Heavy turntable ass quiet, rumble-free reproduction. Finishe black, chrome, and white. Minimum mou ing space: 17¼" W, 13½" D, 3½" ab 3½" below mtg. board. With plug-in he Pickup is 4-wire type. Has two color-co audio output cables with phono plugs. cartridge. For 100-130 v., 60 cycle Shpg. wt., 15 lbs.

89 RX 508. *Only $5 Down.* NET..59.

WOOD BASE. For above. In walnut, li oak or mahogany—4½x17½x15¾". 4
89 RX 603C. *Specify Finish.* NET...4

Famous Model T/II "Crest" Manual Player

Garrard's low-cost, T/II manual record player, complete with pickup arm. Outstanding unit plays records up to 12" at all speeds—16⅔, 33⅓, 45 and 78 rpm. Wired for stereo and monophonic use. Features heavy, rubber-padded steel turntable for rumble-free reproduction. Pickup tracks with high accuracy—has safety arm-rest and lock for maximum portability. Spring mounts for easy leveling and freedom from vibration. Has 4-pole motor and beltless idler-wheel drive mechanism. Wow and flutter are inaudible. Turntable starts w pickup is lifted—shuts off at end of rec Mounting space: 14¾" W, 12½" D above, 2 1/16" below mtg. board. With plu head; less cartridge. For 100-130 v. cycle AC. Shpg. wt., 14 lbs.

89 RX 506. *Only $2 Down.* NET..32.

WOOD BASE. For above. In choice of nut, limed oak, mahogany. 3¾x14¾x12 Shpg. wt., 4 lbs.
89 RX 602C. *Specify Finish.* NET....4.

Popular Model 301 Professional Turntable

A fine product of Garrard craftsmanship, this turntable meets the rigorous standards for professional instruments of its kind. Operates at 33⅓, 45, 78 rpm—has variable speed adjustment. With strobe card. Automatic brake prevents turntable "free-wheeling" after shutoff. Dynamically-balanced 6½-lb. turntable is of non-magnetic aluminum. Less than 0.2% wow; flutter under .05%. Special mounting prevents mechanical feedback to unit. 13¾"; requires 2½" above, 3½" below board. Less arm, cartridge. For 100- 200-250 v., 60 cycle AC. 20 lbs.

96 RZ 912. *Only $5 Down.* NET..89.

WOOD BASE. For above. In walnut, hogany. 5x22¾x17⅞". Shpg. wt., 4 lb
89 RX 604C. *Specify Finish.* NET..24

Be Sure to Specify Finish When Ordering Wood Base

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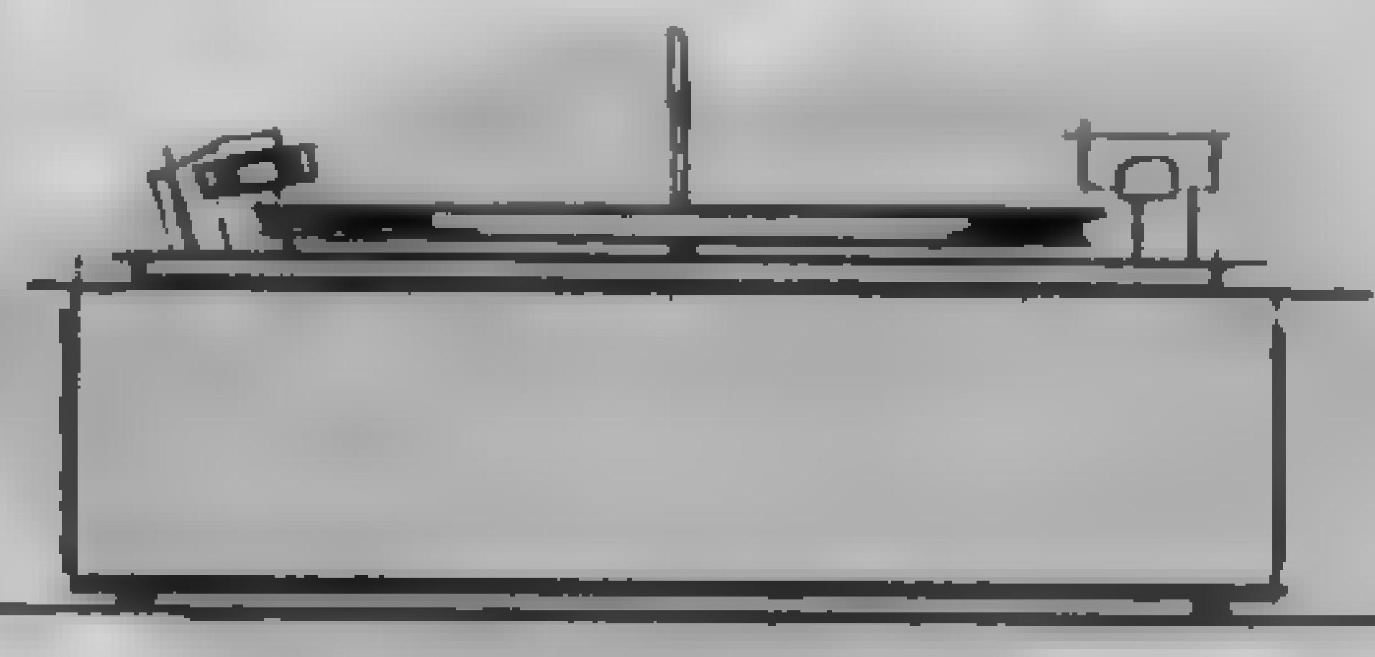
Finish. NET..2

Featuring British Craftsmanship

Garrard introduces the Laboratory Series . . . a new line of professional-quality, high-fidelity instruments engineered to satisfy the needs of the most critical audio enthusiasts. Designed for those who desire only the finest, without compromise.

WHAT IS AN
Automatic Turntable?



ESIGNED TO FILL A DEFINITE NEED. Since e introduction of the high-fidelity LP record, e serious audiophile has always been faced ith the dilemma of having to choose between e convenience of an automatic record changer nd the flawless audio perfection that came nly with a single-play professional turntable. ow, Garrard introduces an entirely new instrument designed to eliminate this compromise.

HAT IT IS AND WHAT IT DOES. The new Garrard Type A is a professional-quality turntable and a professional-type, dynamically balanced pickup arm, combined with a highly advanced record changing mechanism. This playing mechanism will provide an instrument without compromise for the most critical listener —a fully automatic unit incorporating the high andards of performance heretofore found nly in a professional turntable. In addition, it provides the full measure of convenience features which have not previously been available professional turntables.

GARRARD ACCESSORIES

EXTRA PLUG-IN HEADS

ra plug-in heads for all Garrard changers and manual players. ly wired for stereo. Permit instant interchanging of cartridges—xcellent for use when it is desired to use one cartridge for playing ereo and another for monophonic records. Less cartridge. Accomdate all standard cartridges. Shpg. wt., 6 oz.

r Type A, 210 and 4HF.
R 569. NET..1.50
r Model 88/II.
R 570. NET..1.50
r Model T/II.
R 563. NET..1.50

45-RPM AUTOMATIC SPINDLES

ter spindles to permit completely automatic changing of 45-m recordings with all Garrard automatic record changers. There no installation necessary—simply insert automatic spindle over ular spindle. Shpg. wt., 10 oz.

Stock No.	For Use With Garrard Model	NET EACH
95 R 664	Type A, 88/II	3.80
94 R 594	Model 210	3.80

WOOD MOUNTING BOARDS

ection of unfinished wood mounting boards, specially pre-led and pre-cut for use with Garrard record changers, players ntables. Permit quick and easy custom installation of all units. Av. shpg. wt., 1½ lbs.

Stock No.	For Use With Garrard Model	NET EACH
RX 663	Type A, 88/II	1.50
RX 642	Model 210	1.50
RX 913	Model 301	7.50
RX 956	Model T/II	1.50
RX 605	Model 4HF	1.50

only $5 down

NEW Type "A" Automatic Turntable

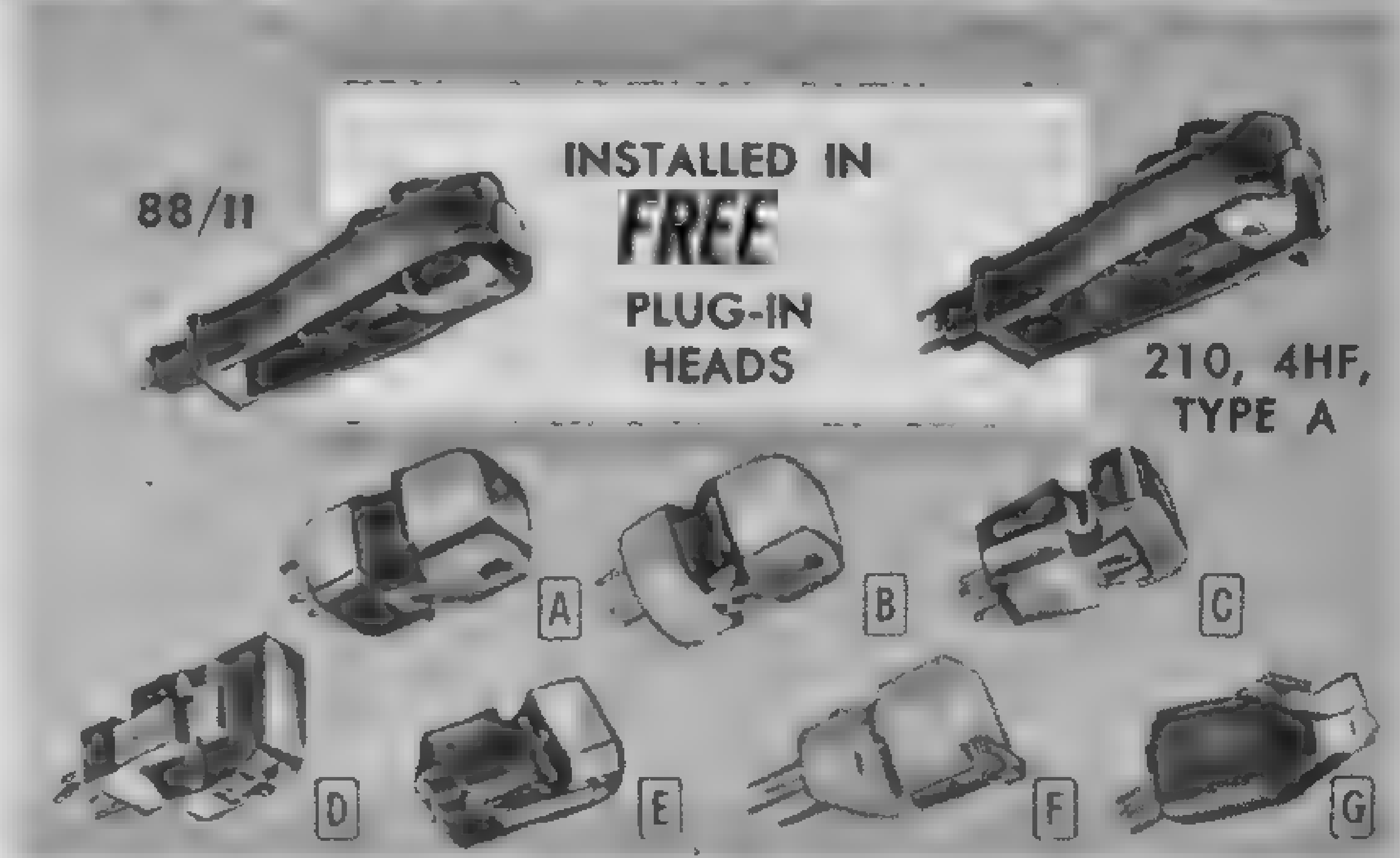
ONLY $69^50

- Dynamically-Balanced 6-Lb. Turntable
- All-New Laboratory-Balanced Motor
- Dynamically-Balanced Pickup Arm

The Laboratory Series Type A Automatic Turntable provides for the first time, the convenience of the automatic record changer with the superb performance of the professional turntable. This precision unit employs a full-size, dynamically balanced, cast and polished 6-lb. turntable. This unique 2-piece table incorporates a special foam disc for excellent damping of noise and vibration. Laboratory balanced motor provides quiet, on-speed operation regardless of load or voltage changes. Plays all speeds—16⅔, 33⅓, 45, 78 rpm. Precision pickup has counterweight for dynamic balancing; tracking easily set—calibrated scale shows pressure. Velvet-smooth changer mechanism is exclusive Garrard pusher-type. Special mount permits installation without tools,; 4-pin system for total hum elimination. In fawn and white with metal trim. Mtg.: 16" W, 13¼" D, (includes 1½" arm overhang at rear and right) 2⅝" below, 6" above motor board. With plug-in head, 45-rpm spindle adapter, output cables. Less 45-rpm automatic spindle, cartridge. For 100-130 v., 60 cycle AC. 59 lbs.
89 RX 716. *Only $5 Down.* NET..............................69.50

89 RX 662C. Wood Base. For above. In walnut, blonde, or mahogany—*specify finish.* 3¾x16x13¼. Shpg. wt., 4 lbs. NET..................4.49

STEREO CARTRIDGES IN PLUG-IN HEADS



A selection of highly popular, top-quality stereophonic cartridges installed in plug-in heads to permit immediate use—plug-in head is supplied at no additional cost and there is no installation charge! Heads insert directly into arm in just a second—require no wiring or soldering. *When ordering, please be certain to indicate the cartridge Stock No. which applies to your Garrard record changer or turntable.* Av. shpg. wt., 5 oz.

Cartridge Model	For 210, 4HF, "A"	For 88/II	Fig.	NET EACH
Knight KN500	89 RC 915	89 RC 916	A	12.95
Knight KN500X	89 RC 917	89 RC 918	B	17.95
Shure M8D	89 RC 167	89 RC 168	C	16.17
Shure M7D	89 RC 169	89 RC 170	D	23.52
GE VR-227	89 RC 171	89 RC 172	E	14.65
Pickering 90	89 RC 173	89 RC 174	F	16.50
Pickering 380C	89 RC 175	89 RC 176	G	29.85

Stereo Hi-Fi Diskchangers

by WEBCOR

Deluxe, Top-Performing Record Changers

"Imperial" 1031-21 Changer with Shure M8D Cartridge

NET $65.71 $5 down

- Precision Workmanship Throughout
- Counter-Balance For Simple Adjustment Of Stylus Pressure from 5-11 Grams
- Distinctive Golden Beige and Brown Styling

A quality-built, 4-speed changer with a deluxe stereo magnetic cartridge for playing stereo and monophonic records. Features precision workmanship, ultra-convenient operation and distinctive styling. An excellent choice for moderately priced stereo high-fidelity music systems—ideal for replacement or modernization purposes.

Offers many deluxe features. A specially designed 4-pole, 4-coil motor provides smooth, hum-free operation. Exclusive "anti-rumble ribs" absorb vibrations. Automatic intermix of 10" and 12" records—stacked in any sequence—at the 33⅓ rpm speed. An extra-long turntable bearing reduces rumble and wow. Automatic motor shut-off after last record is played. Includes famous Shure M8D "Custom Dynetic" magnetic stereo cartridge with .0007" diamond LP needle.

One-piece pickup arm has top-mounted counter-balance that provides accurate weight adjustment. Convenient handle on arm permits precise needle set-down during manual operation. Has 9" rubber-matted turntable; special "torsion spring" action allows moving arm at any time without damaging changer; etc. Attractive golden biege and brown finish complements any decor. Mounting space: 14¹¹⁄₁₆" wide, 13½" deep; 5½" above, 4" below mounting board. With two 36" phono cables. AC cord and plug, and Shure M8D cartridge. Less base; below, right. For 110-120 volts; 60 cycle AC. Shpg. wt., 11½ lbs.

89 RX 719. *Only $5 Down.* NET........ 65.71

MODEL 1031-1. Same as above, but has Sonotone ceramic, turnover stereo cartridge (.0007" diamond stylus for stereo and monophonic LP's and .003" sapphire stylus for standard 78-rpm records).

89 RX 583. *Only $5 Down.* NET........ 59.22

1041-50 4-Speed Changer

Economy version of the "Imperial" diskchanger shown above. Wired to play both stereo and monophonic records at any of four speeds —16⅔, 33⅓, 45 and 78 rpm—it comes equipped with ceramic turnover stereo cartridge. Has .0007" sapphire stylus for LP's; .003" sapphire stylus for 78's. Other features: smooth-running 2-pole motor; extra-long turntable bearing; automatic shutoff after last record; and 8" rubber matted turntable.

10" and 12" 33⅓ rpm records may be intermixed in any sequence. Exclusive "rumble ribs" absorb vibrations—eliminate rumble. Balanced pickup arm may be adjusted to correct stylus pressure.

Changer is complete with metal plate in harmonizing tones of beige and brown. Mounting space: 14¹¹⁄₁₆" wide, 13½" deep; 5½" above, 4" below mounting board. Two 36" cables supplied for convenient stereo connection to amplifier. Less base (listed at right). For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 10½ lbs.

89 RX 711. *Only $2 Down.* NET........ 27.39

MODEL 1041-51. Same as above, but with .0007" diamond and .003" sapphire stylus.

89 RX 712. *Only $2 Down.* NET........ 30.83

NET $27.39 only $2 down

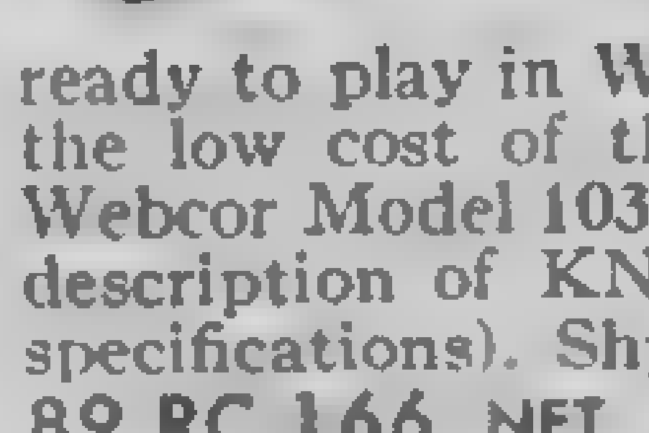
1031-27 with Plug-In Heads

Identical to Model 1031-21 changer at le but less Shure M8D stereo cartridge. Su plied complete with two empty plug- heads which accommodate virtually all ste eo and monophonic cartridges having stan ard ½" mounting centers. Have ⅞" spaci from rear of head to mounting holes; ½ from front of head to mounting holes. connecting wires are pre-soldered to pins f easy cartridge hook-up. (See cartridge li ings in this section). Less base (listed below For operation from 110-120 volts, 60 cy AC, Shpg. wt., 11½ lbs.

89 RX 575. *$2 Down.* NET........ 48.3

EXTRA PLUG-IN HEAD. Plug-in head for u with Model 1031-27 record changer, abo Less cartridge. Shpg. wt., 6 oz.

89 R 562. NET........ 1.5



KNIGHT KN-500 STERE CARTRIDGE IN WEBC PLUG-IN HEAD. An All bonus value! You the famous Knight K 500 magnetic stereo c tridge—installed a ready to play in Webcor plug-in head— the low cost of the cartridge alone. F Webcor Model 1031-27 changer above. (S description of KN-500 in this section specifications). Shpg. wt., 8 oz.

89 RC 166. NET........ 12.

WEBCOR CHANGER ACCESSORIES

METAL BASE. Attractive metal base for We cor record changers listed on this pa Brown finish. Shpg. wt., 4 lbs.

89 RX 639. NET........ 5.

PRE-CUT MOUNTING BOARD. Heavy, wood mounting board for custom install Webcor changers listed on this page. pre-drilled holes: unfinished. Overall s 15¾x13¼x½" Shpg. wt., 3 lbs.

89 RX 640. NET........ 1.

AUTOMATIC 45-RPM SPINDLE. Automatica changes 45-rpm records without need spider adapters in each record. Easily s over center spindle. Wt., 8 oz.

89 R 552. NET........ 2.

45-RPM SPIDER INSERTS. Lightweight m inserts, easily snapped into place in la center-hole of 45-rpm records. 6 oz.

96 R 471. Pkg. of 10, NET........ 4

Precision-Built 'Rondine' Turntables
by REK-O-KUT

Assembles in Just 30 Minutes

K33H Turntable Kit

NET
$49.95
$2 down

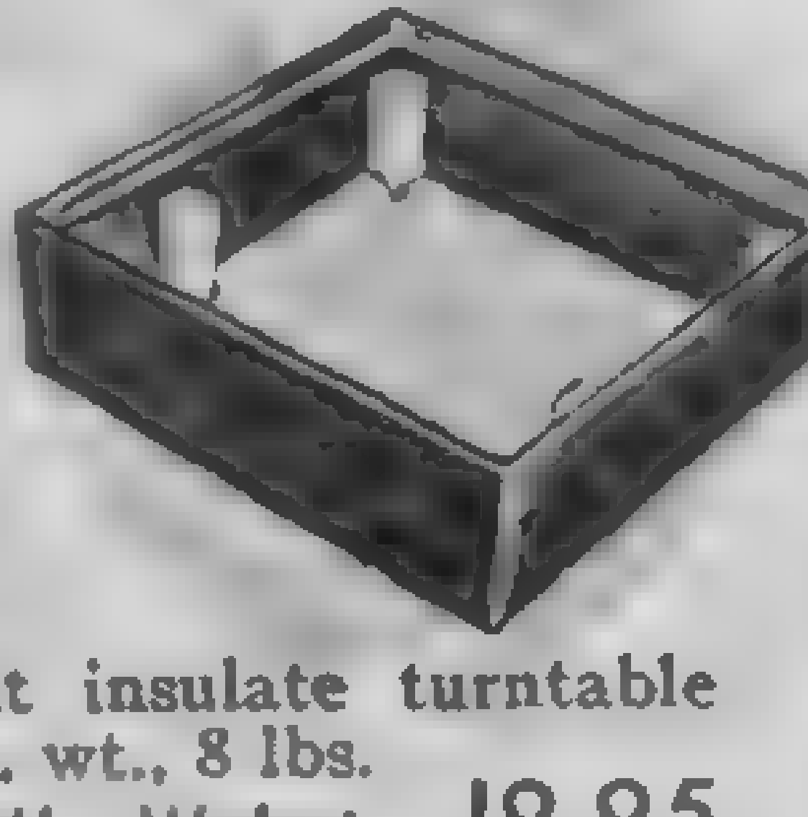
Assemble this excellent 33⅓ rpm, 12" turntable in just 30 minutes—using only a few simple tools. Employs self-lubricating hysteresis-synchronous motor built to Rek-O-Kut specifications. Crown-spindle belt drive; has specially woven endless belt with thickness held to micro-tolerances. Belt tension is adjustable. Carefully engineered, solid, cast-aluminum turntable is lathe-turned and tapered to permit easy record handling. Includes strobe disc; ribbed rubber turntable mat. Noise level: 52 db below average recording level. Finished in silver-tone aluminum. Requires [illegible]" clearance below motor board. Includes mounting template. Less base (below), motor board and arm. For 110-120 v., 60 cycle AC. Shpg. wt., 15 lbs.

89 RX 542. *Only $2 Down.* NET........................49.95

MODEL K-33 TURNTABLE KIT. As above, but employs a heavy-duty, 4-pole induction motor. Noise level: 47 db below average recording level. Requires 5" below motor board. Gray and two-tone aluminum styling. Less base, motor board and arm. Shpg. wt., 15 lbs.

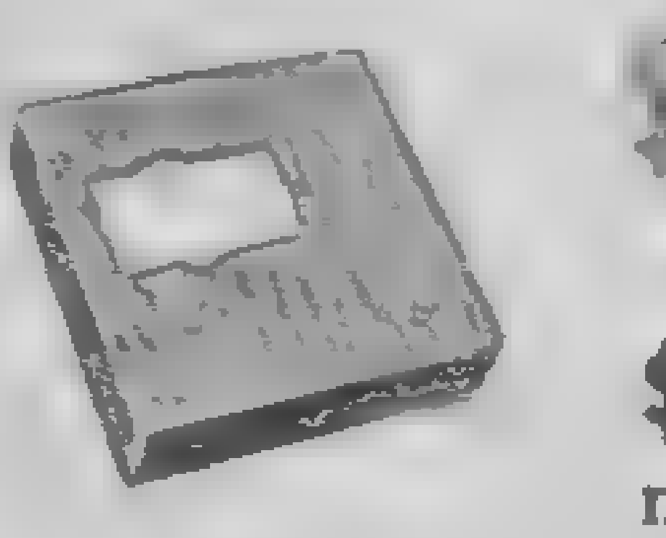
89 RX 536. *Only $2 Down.* NET........................39.95

REK-O-KUT ACCESSORIES



WOOD BASES FOR B12H, B12GH AND K33H. Smartly styled bases available in walnut or unfinished. B12H and B12GH require an Adapter Strip (listed below) in addition to the base. Strip is not required for the K33H. With rubber isolation mounts that insulate turntable from vibrations. Shpg. wt., 8 lbs.

89 RX 612. Model BW—Walnut...19.95
89 RX 626. Strip For Above.........3.95
89 RX 625. Model BU—Unfinished..10.95
89 RX 644. Strip For Above.........2.95



ONE-PIECE WOOD BASES FOR K33, K33H, L34 AND L34H. Models BK and BL are walnut finish with contrasting top; Models KU and LU are unfinished. Adapter strips not required. Shpg. wt., 8 lbs.

89 RX 665. Model BK. For K33H, K33.
..........................19.95
89 RX 666. Model KU. For K33H, K33.
..........................8.95
89 RX 667. Model BL. For use with L34, L34H. NET..........19.95
89 RX 668. Model LU. For use with L34, L34H. NET..........8.95

MODEL X-16 16" EXTENSION. For mounting 16" arms on Rek-O-Kut bases. 14 oz.
89 R 622. NET..........................6.95

SEE REK-O-KUT PICKUP ARM LISTING IN THIS CATALOG

N33H 33⅓ RPM Turntable

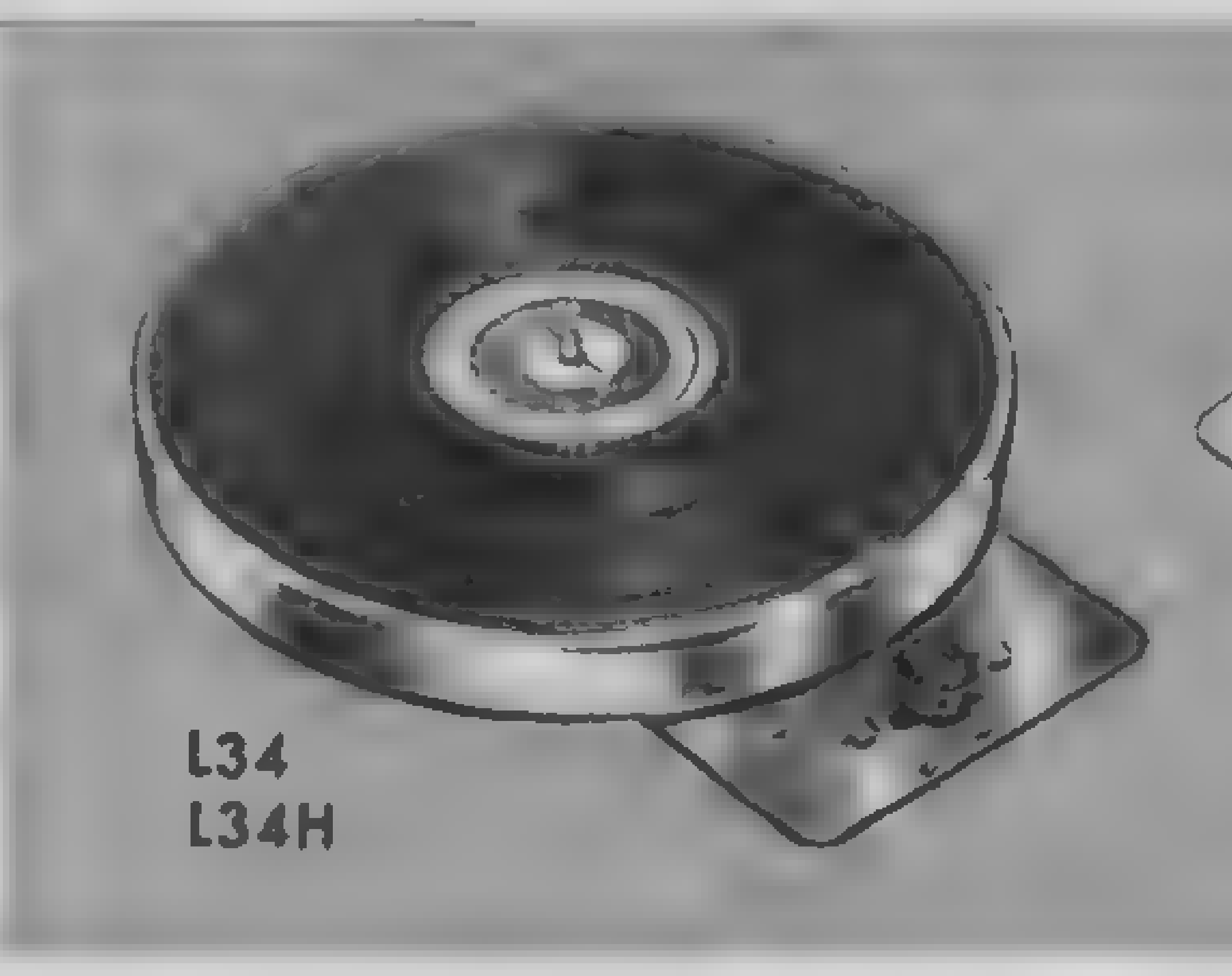
NET
$69.95
$5 down

Precision-built 33⅓ rpm, 12" turntable. Designed to provide outstanding performance in any music system, the N33H features a self-lubricating, hysteresis-synchronous motor of latest design. Maintains constant speed; has a special winding to reduce coasting of the turntable. Table is driven by a specially woven fabric belt with thickness held to ±.001".

Belt tension is adjustable for minimum noise. Turntable is machined to extremely close tolerances; made of solid, lathe-turned cast aluminum, tapered to assure easy handling of records. Handsomely styled in gray and two-tone aluminum.

Noise level: 53 db below average recording level. Turntable includes ribbed rubber mat to insure maximum traction. Size of motor board, 15⅞x15". Turntable requires clearance of 4" below motor board. Less base (below, at left), and arm. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 17 lbs.

89 RX 535. *Only $5 Down.* NET........................69.95



Model L-34 2-Speed Turntable

NET
$59.95
$5 down

Dual-speed, low-priced 33⅓ and 45-rpm 12" turntable designed to professional specifications. Ideal for hi-fi installations as well as commerical use. Noise level 40 db below average recording level for minimum rumble. Constant-speed 4-pole induction motor. Idler disengages in off position to prevent flat spots. Has ground and hand-lapped shaft which turns on heavy ball-thrust bearing. Lathe-turned cast-aluminum turntable is lab-tested for perfect balance. Built-in 45-rpm hub. Includes a ribbed rubber turntable mat and strobe disc. Has rigid, heavy-duty, pressed-steel chassis in silver-tone aluminum. Size, 15x12". Requires 5" below motor panel. Less base, motor board and arm. For 110-120 volts, 60 cycle AC. Shpg. wt., 15 lbs.

96 RX 686. *$5 Down.* NET........59.95

MODEL L34H TURNTABLE. As above, but with hysteresis motor. Shpg. wt., 15 lbs.
89 RU 588. *$5 Down.* NET.........79.95

Model B-12H 3-Speed Turntable

NET
$139.95
$5 down

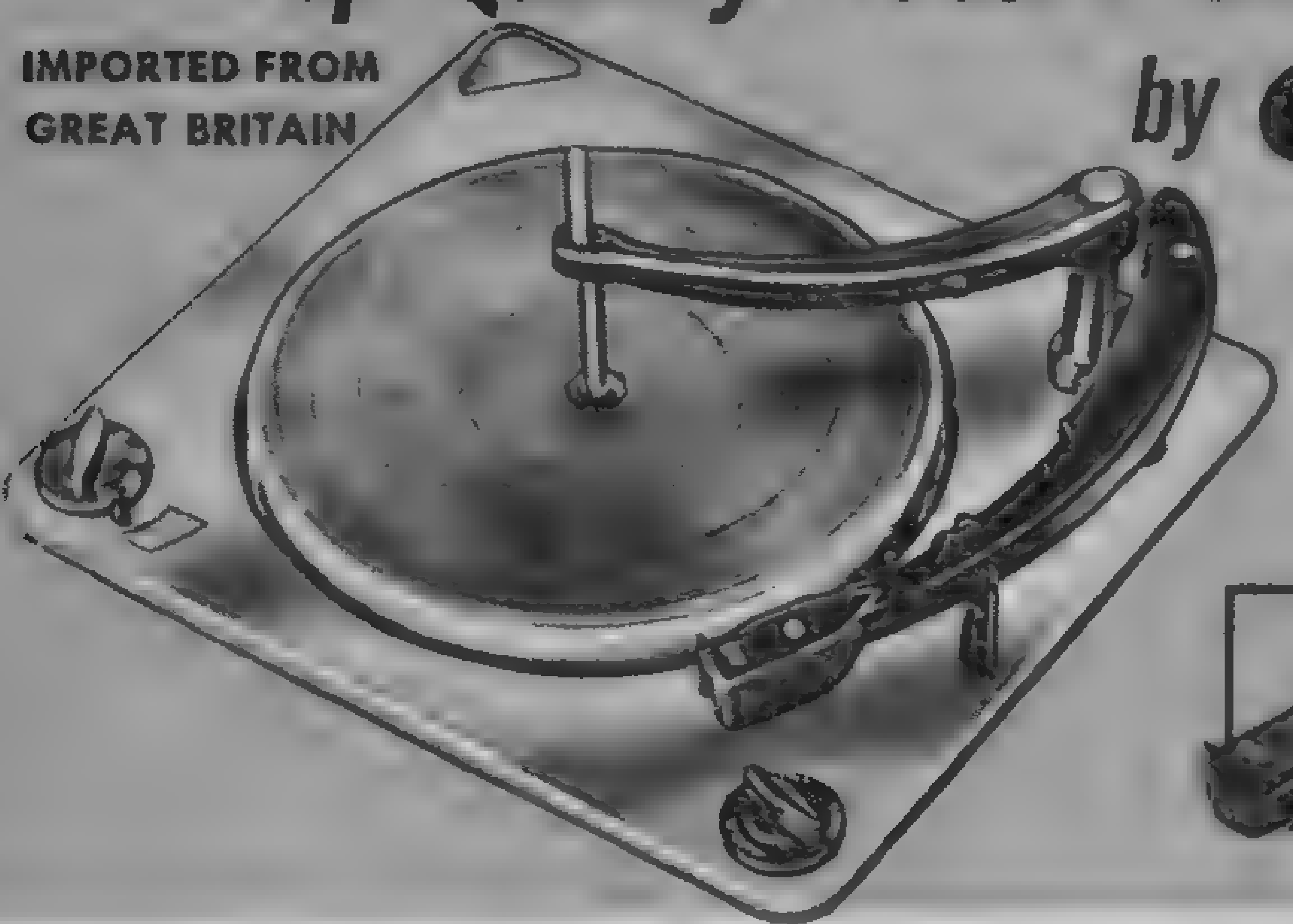
Professional-quality three-speed 12" turntable. Employs superior craftsmanship throughout—all critical parts are case-hardened and ground to a micro-finish. Knob selects 33⅓, Off, 45, Off, and 78 rpm. Custom-built, high-efficiency hysteresis-synchronous motor. Solid cast-aluminum turntable is lathe-turned and dynamically balanced. Turntable shaft is polished and hand-lapped in the bearing well for a perfect fit. Noise level: −57 db. Wow: better than NARTB specs of ±2/10 of 1%. Built-in 45-rpm hub; strobe disc. 17¾x16". Requires 6½" below motor board. Less base, motor board and arm. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 20 lbs.

96 RU 687. *$5 Down.* NET......139.95

MODEL B-12GH TURNTABLE. Professional quality turntable as above, except has fewer custom features. *Noise:* −53 db. 18 lbs.
89 RU 534. *$5 Down.* NET.........99.95

Top Quality Record Changers and Turntables

by Collaro



Model TSC-740 Record Changer

NET $41.65

$2 Down

Quality 4-speed automatic record changer, wired for stereophonic or monophonic use. For automatic intermix record changing, stack 10" and 12" records in order of decreasing size—"Sensi-magic" feature determines record size before setting record down. Also features a two-piece transcription-type pickup arm; sturdy, heavy-duty 4-pole motor; choice of 16⅔, 33⅓, 45 and 78 rpm speeds; plus convenient automatic shut-off after last record has played. Has heavy, rim-weighted turntable; "muting switch" and "pop-filter." Ideal for use in custom installations.

Handsome gray and black two-tone finish. Size, 12x13½"; requires 5" above, 2¼" below mounting board. Less cartridge (see cartridge listings in this section) and base (listed below, at right). For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 15 lbs.
89 RX 521. *Only $2 Down.* NET........................ 41.65

Model TC-99 "Transcription" Changer

NET $58.31

$5 Down

Deluxe, 4-speed changer wired for both stereo a monophonic discs. Full manual operation, p positive automatic intermix of 12", 10" and 7" r ords of the same speed. Has an extra-heavy cast, 6-lb. transcription-type turntable plus vib tion-free 4-pole motor with interleaved shields silent, hum-free operation. Plays 16⅔, 33⅓, and 78 rpm records. Has adjustable, counterb anced arm and 5-pin plug-in head. Special mut switch and RC network assure silence during change cycle.

Other features include: less than 0.15% wow; less than 0.04% fl ter; rumble of —50 db; freedom from resonance; automatic shut after last record and rubberized turntable pad. Size, 12x13½"; quires 5" above, 3½" below mtg. board. Less base (below) and c tridge. For 110-120 volts, 60 cycle AC. Shpg. wt., 19½ lbs.
89 RU 584. *Only $5 Down.* NET........................ 58.

Model TP-59 Turntable With Pickup Arm

Low-cost, 4-speed manual player for stereo and monophonic use. Incorporates many of the precision features found in more expensive units. Four speeds played are 33⅓, 45 and 78 rpm—plus 16⅔ rpm for "Talking Book" records. Ideal for custom installation in budget-priced music systems.

Features: heavy, 9½" rubber-covered turntable; 4-pole dynamically balanced motor; transcription-type tone arm with plug-in shell; and automatic stop mechanism. Accepts all standard stereo and monophonic hi-fi cartridges. Gray and black finish.

Size, 13½x12"; 3" above, 3½" below mtg. board. Less cartridge. For 110-120 v., 60 cycle AC. Shpg. wt., 15 lbs.
89 RX 525. *$2 Down.* NET....... 28.91

COLLARO ACCESSORIES

BASES. Handsomely finished wood bases Collaro changers and turntable. Size, 15 13¼x4". Av. shpg. wt., 3 lbs. **Specify hogany, limed oak or walnut finish.**

89 RX 607C. For changers. } NET
89 RX 608C. For TP-59. } EA....4.

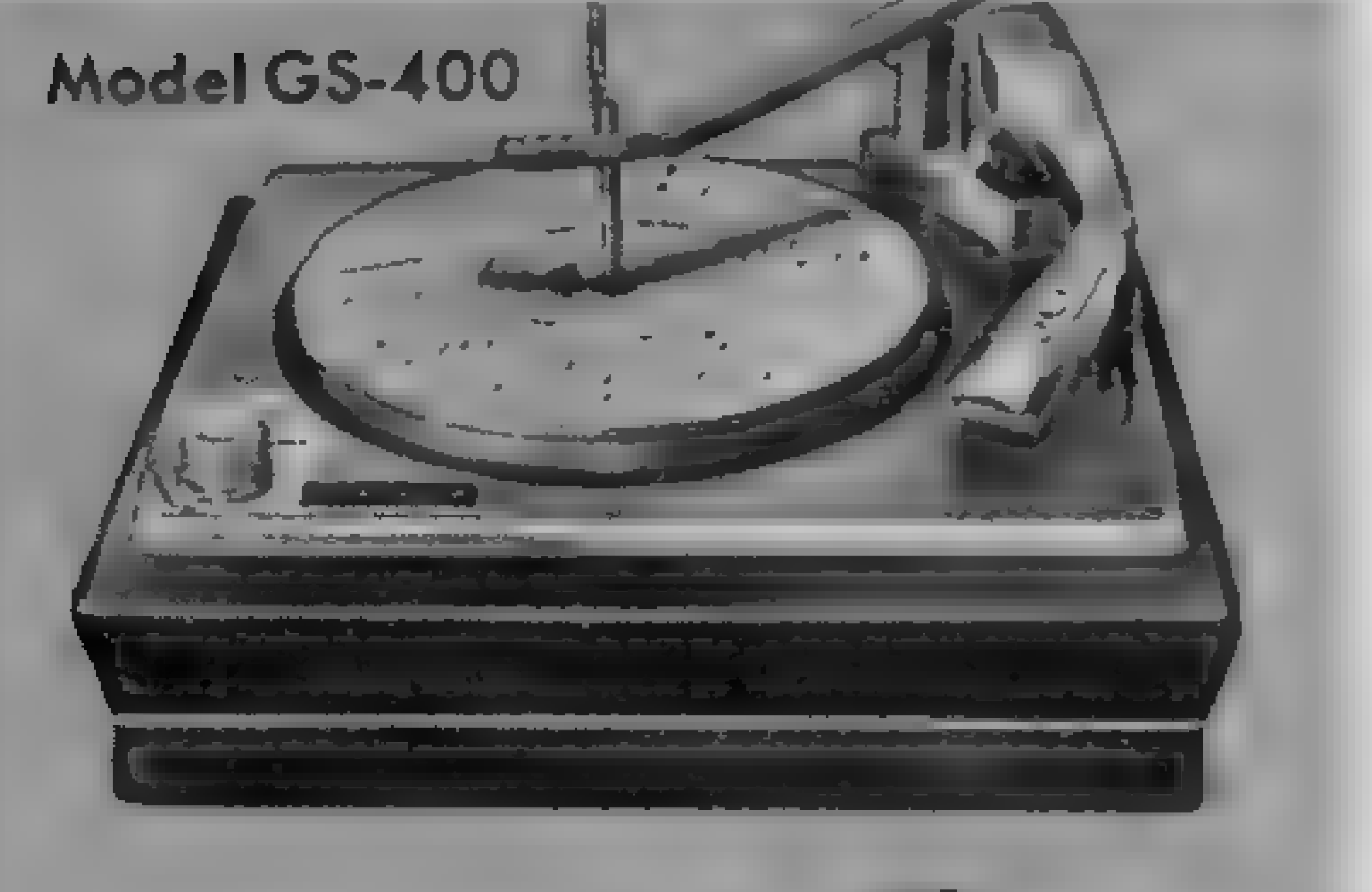
UNFINISHED MOUNTING BOARDS. Pre- mounting board; ideal for custom-install Size, 15¾x13¼x½". Shpg. wt., 1½ lbs.

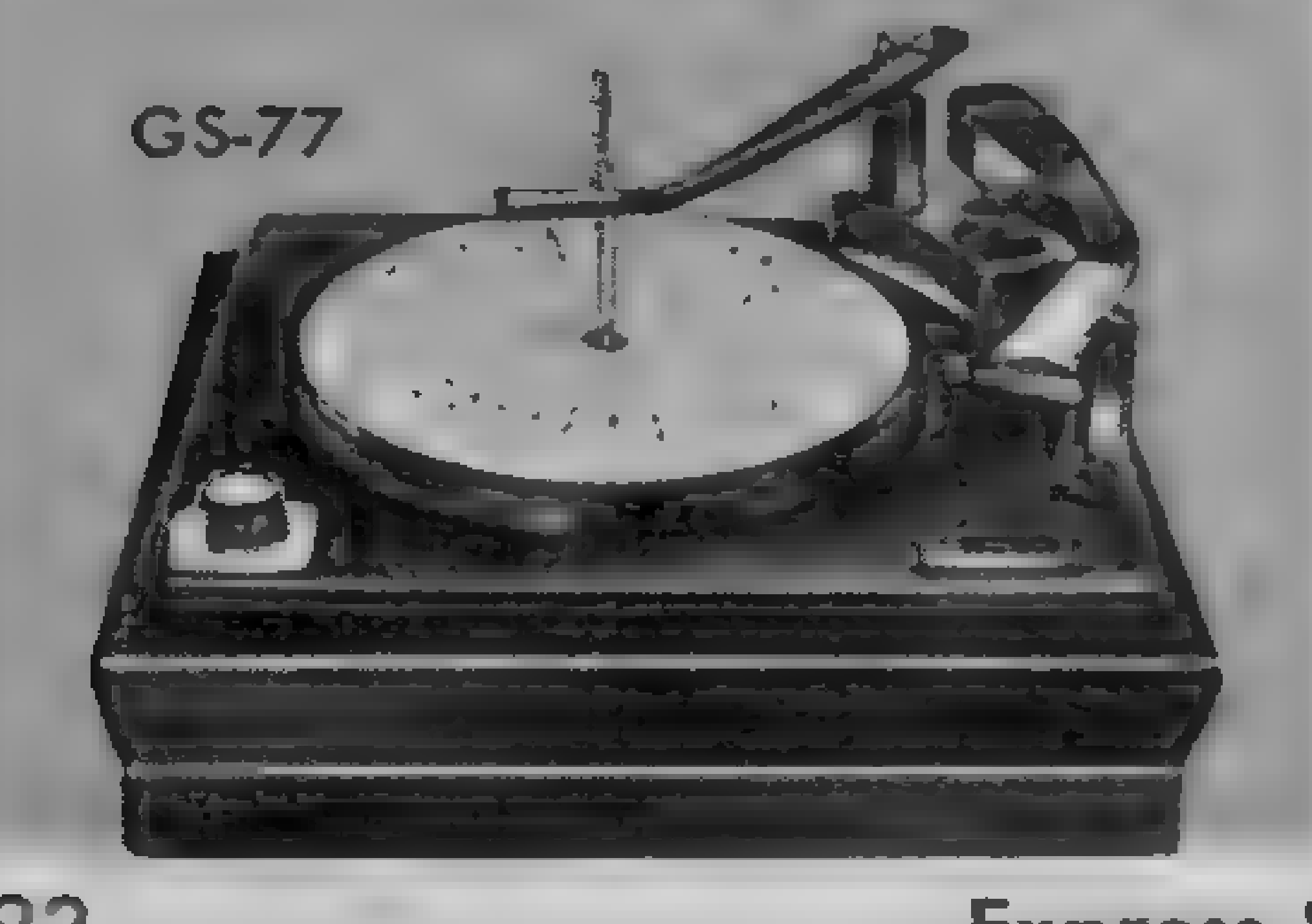
91 RX 556. For Changers. } NET
89 RX 610. For TP-59. } EA......1.

45-RPM SPINDLE. Shpg. wt., 1½ lbs.
93 R 483. NET........................3.

EXTRA PLUG-IN HEAD. Shpg. wt., 6 oz.
89 R 555. NET........................1.

New! Two Great Record Changers by GLASER-STEERS





MODEL GS-400 CHANGER

NET $47.50

$2 Down

Four-speed automatic changer that delivers superior reproduction of both stereo and monophonic records. Positive intermix at all speeds—plays all sizes regardless of sequence. Arm may be moved manually during change cycle without damage. Arm may be relocated during automatic play without tripping change cycle. Shuts off automatically after last record.

Sturdy die-cast aluminum arm with counterbalance assures constant stylus pressure. Has hum-shielded 4-pole motor. 13½"x12"; 3" below, 5½" above mtg. board. Less base (at right) and cartridge. For 105-130 volts, 60 cycle AC. 13 lbs.
89 RX 707. *$2 Down.* NET.......47.50

MODEL GS-77. Deluxe version of above. After change cycle, turntable does not move until stylus touches down in lead-in groove. Also includes "speed-minder" for automatic play at correct speed regardless of record size. Stereo-mono switch and provision for automatic amplifier shut-off. 13 lbs.
89 RX 706. *$5 Down* NET 59.50

GLASER-STEERS ACCESSORIES

GSC RECORD CHANGER COVER. Fits ei changer described at left; changer ca played with cover on. Transparent lu Shpg. wt., 1 lb.
89 RX 659. NET....................9.

GSB WOOD BASE. Handsome, distincti styled base fits either changer. 3½x1 13". Ebony finish. Shpg. wt., 5 lbs.
89 RX 650. NET....................9.

GSS 45-RPM AUTOMATIC SPINDLE. All-m spindle fits easily without twisting or j ming. Allows playing 45-rpm records w out inserts. For both changers. 1 lb.
89 R 567. NET....................2.

Changer

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ACCESSORIES

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BOARDS. Pre
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pg. wt., 6 oz.
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ERS

ACCESSORIE

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C SPINDLE. All-m
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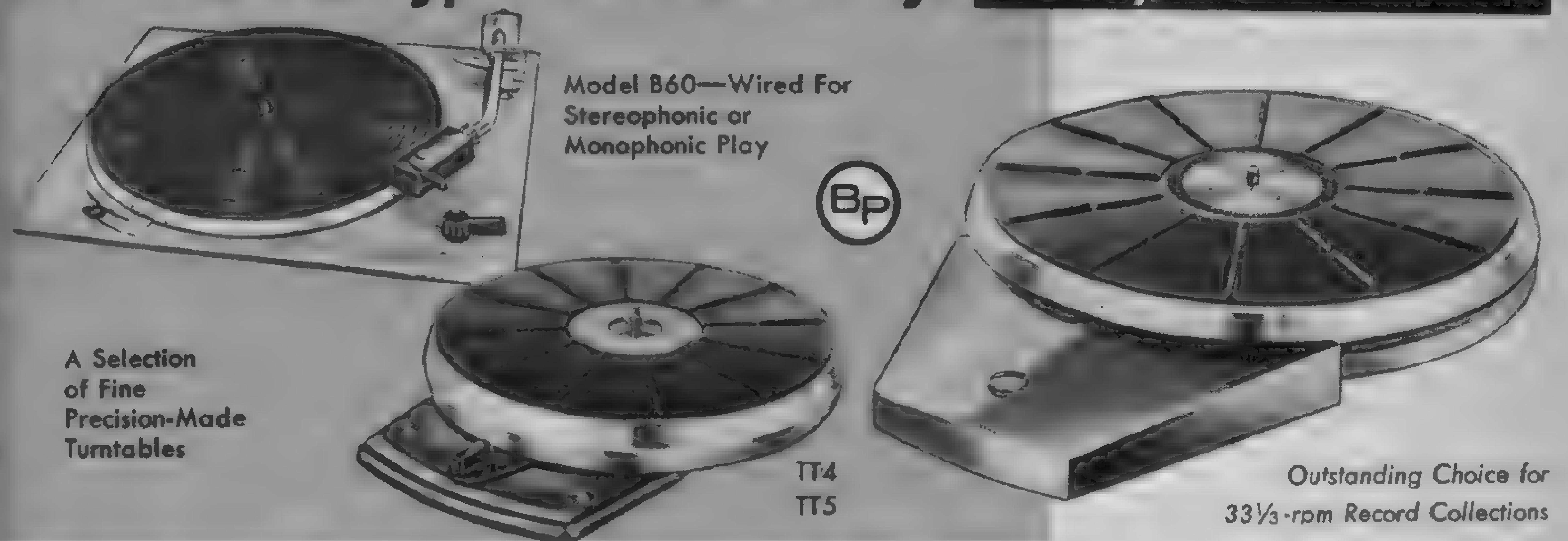
Professional-Type Turntables by BOGEN-PRESTO


Model B60—Wired For Stereophonic or Monophonic Play
BP
A Selection of Fine Precision-Made Turntables
TT4
TT5
Outstanding Choice for 33⅓-rpm Record Collections

B60 Variable Speed Turntable & Arm

Top-performing, Swiss-made turntable-arm combination. Offers continuously variable speed from 15 to 18 and 29 to 86 rpm. Rubber-covered, 3¾-lb., 12" turntable accommodates discs up to 16". 4-pole motor; smooth-action arm with micrometer-type gauge for precise stylus pressure adjustment. Arm is raised by linkage to minimize record wear. 15¼x13¼; 2½" above, 2¼" below mtg. board. Less base and cartridge. For 110-120 v., 60 cycle AC. 14 lbs.
89 RX 913. *$2 Down.* **NET**.......**49.95**

MODEL B61. Same as above, but uses 7¾-lb. zinc alloy turntable. Shpg. wt., 18 lbs.
89 RU 589. *$5 Down.* **NET**.........59.95

WOOD BASE. For Models B60 and B61 (above). Walnut finish. Shpg. wt., 5 lbs.
RX 905. **NET**....................5.25

MODEL H4 PLUG-IN HEAD. Plug-in head for Models B60, B61 and PA-1 arm. 6 oz.
89 R 557. **NET**...................4.00

New Model TT4 Turntable

Precision-built, 3-speed professional-type turntable. Balanced, cast-aluminum 12" turntable is rotated by hysteresis motor. Plays at 33⅓, 45 and 78 rpm speeds. Oversize speed shift lever for professional-type control—"Off" positions next to each speed prevent "passing through" speeds. Exclusive "radial ridge" turntable mat; built-in, snap-action 45 rpm spindle adapter. Wow, flutter and rumble are virtually non-existent. Built-in strobe-disc. 14½x12"; 2⅝" above and 3¼" below base. Less base, arm and cartridge. For 110-120 volts, 60 cycle AC. Shpg. wt., 18½ lbs.
89 RU 709. *$5 Down.* **NET**.......**99.50**

MODEL TT5. Same as above, but with high-torque, extra-heavy duty, broadcast-studio-type hysteresis motor. 18½ lbs.
89 RU 710. *$5 Down.* **NET**.......**129.50**

PB8 WOOD BASE FOR TT3, TT4, TT5. Attractive walnut finish. Shpg. wt., 5 lbs.
89 RX 658. **NET**....................**18.75**

Model TT3 Turntable

NET
$59⁹⁵
$5 down

- **Heavy-Duty Hysteresis Synchronous Motor**
- **"Radial Ridge" Rubber Turntable Mat**
- **Built-In Professional-Style Strobe Disc**

Brilliantly engineered, single-speed turntable for 33⅓ rpm stereo or monophonic discs. Many exceptional features make this an ideal unit for use by the most exacting listeners. Has precision-built hysteresis synchronous motor and belt drive system that virtually eliminates rumble, wow and flutter. Solid aluminum, 12" turntable; heavy-duty steel chassis and bearings.

Employing the exclusive Bogen-Presto "radial ridge," molded rubber turntable mat, the TT3 affords perfect traction and gentle handling of records. Outstanding design permits easy cleaning to maintain completely dust-free operation.

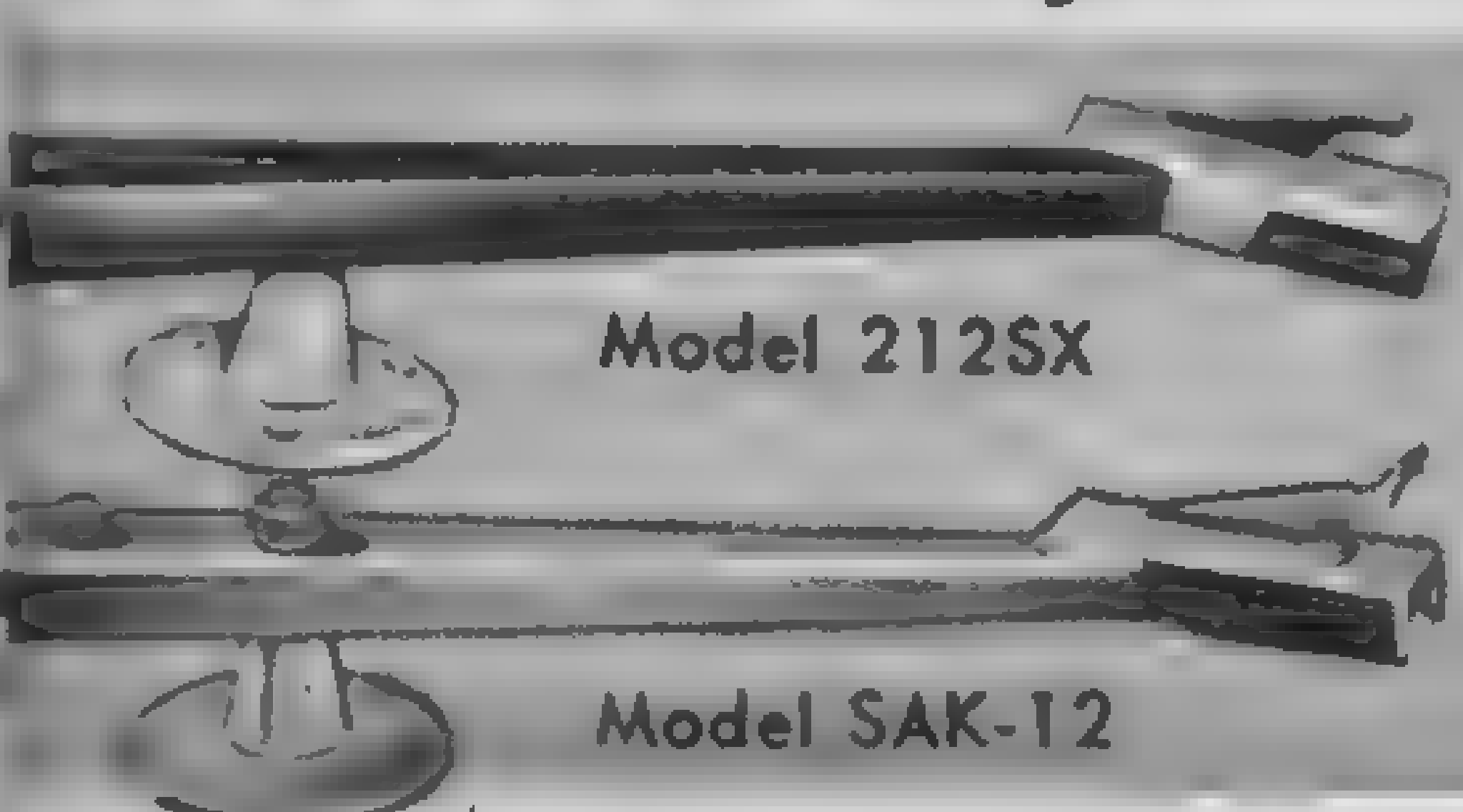
Wow and flutter: Less than 0.15%. *Rumble:* 52 db below average recording level. Power switch delivers instant action on-off. Also features professional type, built-in strobe disc that allows you to tell at all times if unit is operating without variations in speed. Attractively styled in harmonizing gray and black; blends with any room decor. Size: 12" wide x 16" long. Requires 2" above base and 4½" below. Less arm, cartridge and base (see Model PB8 base, listed under TT5 turntable, at left). For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 13 lbs.
89 RU 708. *$5 Down.* **NET**.......**59.95**

NEW MODEL PA1 PROFESSIONAL-QUALITY PICKUP ARM

Swiss-made, precision pickup arm designed to meet broadcast studio requirements. Being balanced for accurate vertical and horizontal movement, at the lowest tracking pressures. Has calibrated, micrometer-type weight adjustment gauge. Range, —3 to grams. Four-pin aluminum plug-in head accepts any standard stereo or monophonic cartridge. Has pressure-contact locking device. Includes arm rest-lock and handy finger-lift lever. Length, 13¾". Shpg. wt., oz.
89 R 265. *$2 Down.* **NET**.........**24.95**

- **Accurate, Micrometer-Type Weight Adjustment Gauge**
- **All-Aluminum Construction**
- **Tracks At Lowest Pressures**

Studio-Quality Turntables and Pickup Arms



Model 212SX

Model SAK-12

Model 33H

Model HSK-33

MODEL 212SX 12" PICKUP ARM. Incorporates "viscous-dampened" (fluid controlled) suspension for faithful transcription—only the stylus vibrates, not the arm. Arm is micro-balanced for maximum tracking stability. Tracks as low as 1½ grams; adjustable to 5 grams. Shpg. wt., 2 lbs.
89 RX 256. *$2 Down.* **NET**.......**34.00**

MODEL SAK-12 PICKUP ARM. As above, but ... form. Shpg. wt., 2½ lbs.
89 RX 253. *$2 Down.* **NET**...... ..23.95

EXTRA SLIDE ASSEMBLY. For both arms above. Shpg. wt., 2 oz.
89 R 559. **NET**.............. .4.60

MODEL 33H 12" TURNTABLE. Deluxe, precision-built 33⅓-rpm turntable for critical audio use. Features a hysteresis-synchronous motor driving a 1" thick cast-aluminum table. Has belt drive to assure best motor isolation. Has ⅛" steel base plate pre-drilled for Gray Model 212SX pickup arm described at left. Size, 16x14⅜"; requires 3" below mounting board. Less base (listed below) and arm. For 110-120 v., 60 cycle AC. Shpg. wt., 18 lbs.
93 RX 386. *$5 Down.* **NET**.......**79.95**

MODEL 33C WOOD BASE. In mahogany, blonde or walnut—**specify choice.** 4 lbs.
89 RX 634C. *$2 Down.* **NET**.........23.95

MODEL HSK-33 TURNTABLE KIT. A beautifully styled, 33⅓-rpm turntable kit. Employs hysteresis-synchronous motor. Speed deviation does not exceed ±0.3%; wow and flutter does not exceed 0.2%. Employs belt drive for optimum motor isolation. 15½x 18". Requires 3" below mounting board. Less base (listed below) and arm. For 110-120 volts, 60 cycle AC. 13 lbs.
89 RX 547. *$2 Down.* **NET**...... **49.50**

WOOD BASE. Specifically designed for use with Model HSK-33, above. Available in choice of mahogany, blonde or walnut formica veneers—**specify.** Shpg. wt., 4 lbs.
89 RX 548C. **NET**...............17.95

THORENS Precision-Made Turntables

IMPORTED FROM SWITZERLAND

MODEL TD-124 TURNTABLE

Professional-quality, 4-speed turntable on rigid base plate. Built-in wood panel allows mounting any 12" or 16" pickup arm. Accurate, built-in turntable level—4 leveling screws accessible from top of unit; eddy current brake for effective speed adjustment without rumble; illuminated strobe; speed adjustable ±3%; single On-Off and speed control; extremely low noise level. Cast-iron table weighs 11½ pounds, has aluminum cover. Instantaneous cueing. Base plate, 15½x12⅞"; depth required, 2¾". Less arm, base, mtg. board. With AC cord and stereo pickup arm cable. For 100-120 v., or 200-250 v., 50-60 cycle AC. Shpg. wt., 32 lbs.

94 RU 722. *$5 Down.* NET.......**99.75**

MODEL TDK-101 TURNTABLE KIT

Not. illus. Top-value, 33⅓ rpm turntable kit. 4-pole motor; ±3% variable speed; strobe disc. 14x12". Requires 3½" below mtg. board. Less arm, board, base (right). For 110-120 v., 60 cycle AC. 18 lbs.

89 RX 546. *$2 Down.* NET.......**47.50**

MODEL TD-134 MANUAL PLAYER

A quality 4-speed player. Uses the same turntable as the TD-184 (left) except semi-automatic features have been omitted to make this player a remarkable value for the budget-minded audiophile. Has adjustable speed drive, mirror-finish machining and high-performance arm. Wired for stereo—accepts all popular makes of stereo and monophonic cartridges. Base plate, 15x12"; requires 2½" below mounting board. Less base, mtg. board and cartridge. With AC cord, output cable. For 110-120 and 200-250 v., 50-60 cycle AC. Wt., 17 lbs.

93 RX 335. *$5 Down.* NET.......**59.95**

MODEL TD-184 MANUAL PLAYER

Precision. 4-speed semi-automatic manu
player. Dial 7", 10", or 12" record size-
turntable starts and arm settles onto recor
4-pole motor; shuts off at end of recor
Nylon ball-thrust bearing for minimu
wow, rumble, flutter. Wired for stere
2-gram tracking force. Accepts any ca
tridge. 15x12"; requires 2½" below mot
board. Less cartridge, base (below). F
110-120, 200-250 v., 50-60 cycle AC. 20 l

89 RU 571. *$5 Down.* NET.......**75.0**

EXTRA PLUG-IN HEAD. For TD-134, 184. 6

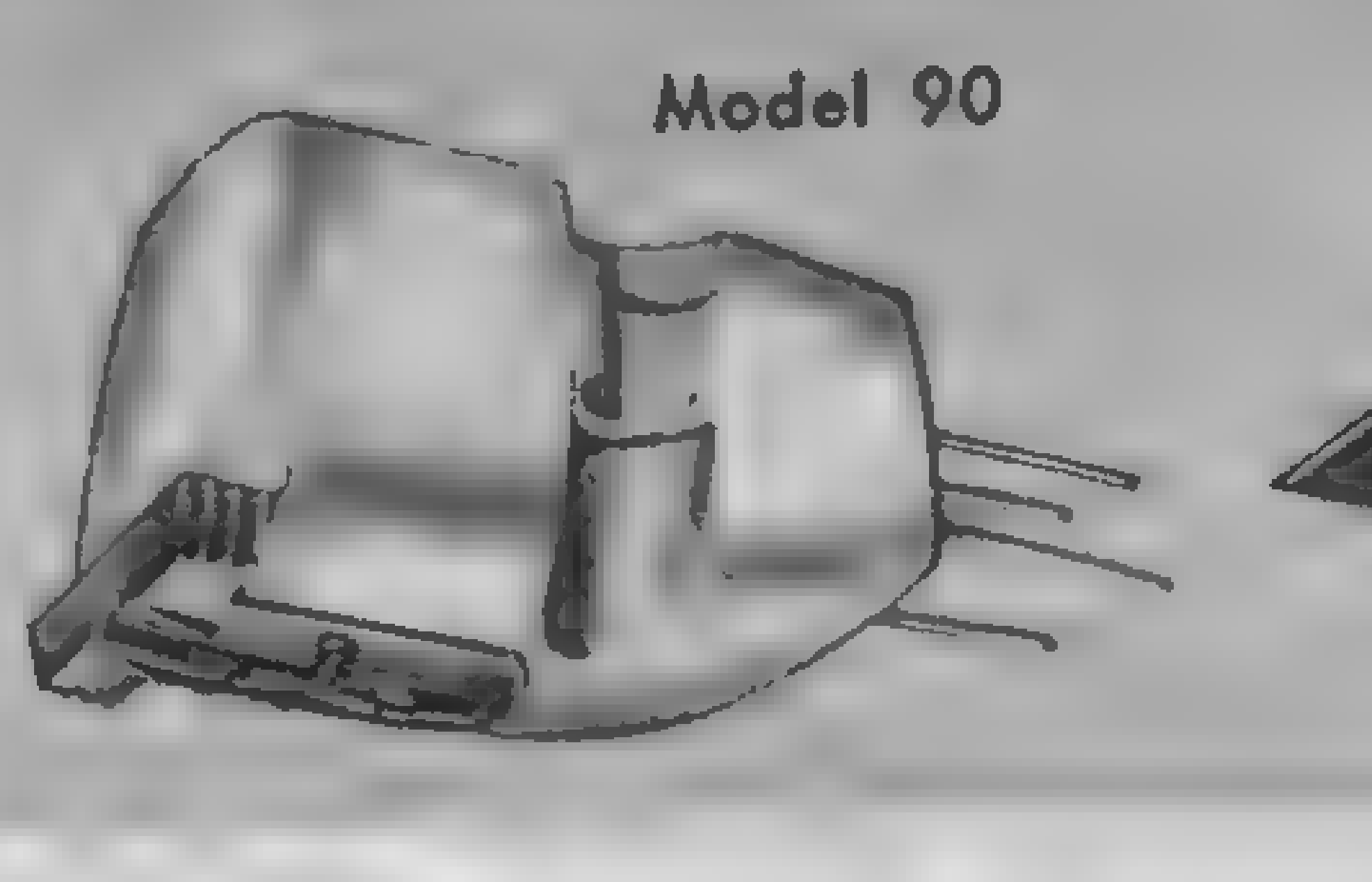
89 R 568. NET.....................**3.**

THORENS ACCESSORIES. *Specify mahogany, blonde or walnut.

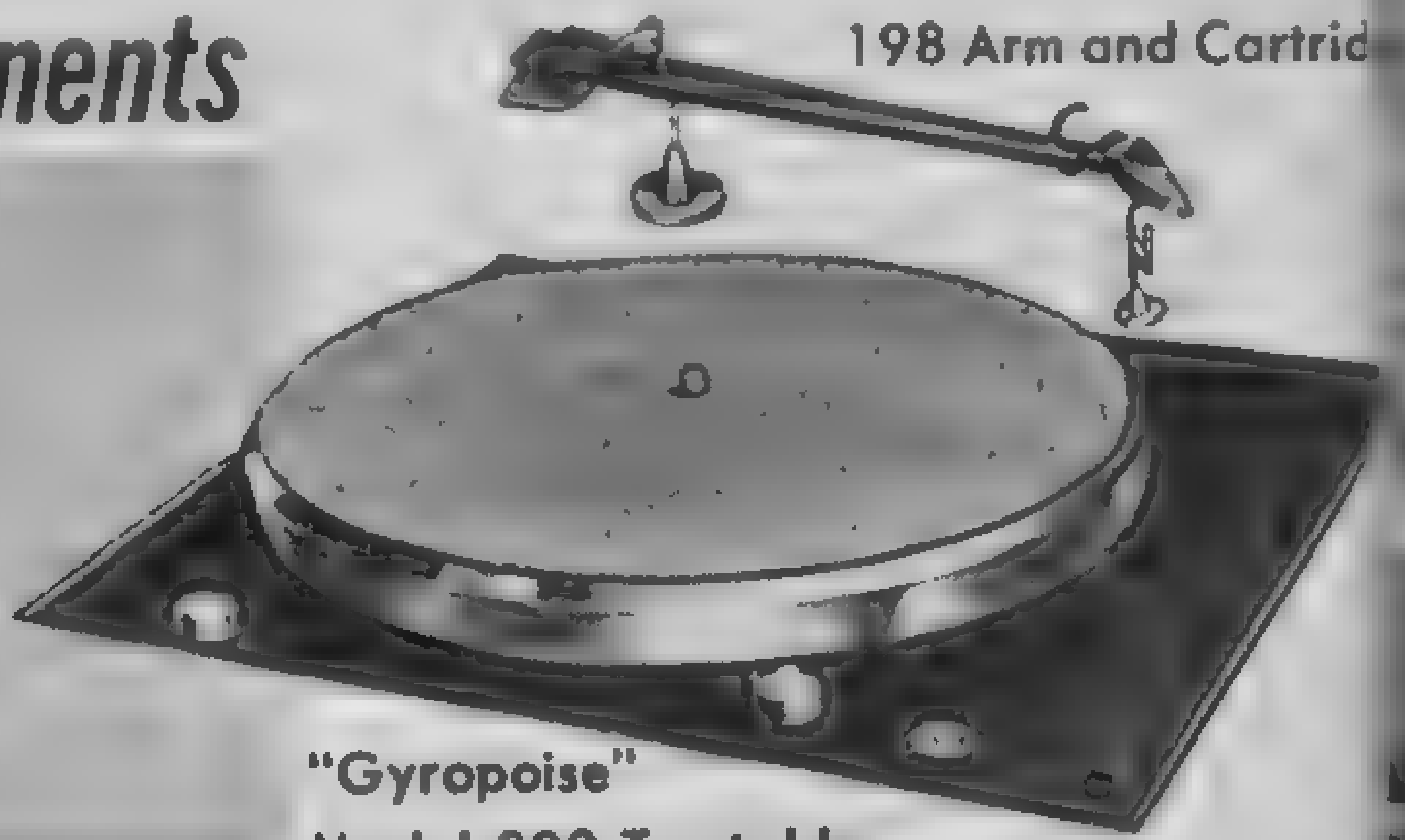
Stock No.	For	Description	Wt.	NET
89 RX 630C	TD-124	Wood base*	5 lbs.	9.00
89 RX 623C	TDK-101	Wood base*	5 lbs.	9.00
89 RX 631C	TD-184, TD-134	Wood base*	5 lbs.	6.00
93 RX 487	TD-124	Unfinished mounting board	3 lbs.	4.50
93 RX 338	TD-184, TD-134	Unfinished mounting board	3 lbs.	4.50
89 RX 633	TDK-101	Unfinished mounting board	3 lbs.	4.50

Famous PICKERING Stereo Components

Series 380



Model 90



198 Arm and Cartrid

"Gyropoise"
Model 800 Turntable

"FLUXVALVE" STEREO CARTRIDGES

MODEL 380C. Hermetically sealed and completely encapsulated in a mu-smetal shield, the 380C is designed to provide hum-free operation in automatic record changers or manual players. "V-Guard" stylus assembly permits quick and easy user-replacement of .0007" diamond stylus (included). *Frequency response:* ±2 db, 20-15,000 cps. *Channel Separation:* 35 db. 15 millivolts output. *Recommended tracking force:* 4 to 7 grams. Uses replaceable stylus. Fits all standard pickup arms—has 7/16" and ½" mounting centers. Shpg. wt., 2 oz.

89RC 291. *Only $2 Down.* NET...**29.85**

MODEL 380A. As above, but for turntables. *Tracking force:* 2 to 5 grams.

89 RC 292. *Only $2 Down.* NET..**34.50**

MODEL 381A. An ultra-linear professional pickup. Originally designed to provide precise record measurement data for engineers, critics, etc. For high-quality manual arms only. *Response:* ±1 db, 20 to 10,000 cps; ±2 db, 10,000 to 20,000 cps. *Channel Separation:* 35 db. *Recommended tracking force:* 2 to 3 grams.

89 RC 274. *Only $2 Down.* NET...**48.00**

NEW STEREO "90" CARTRIDGE

A fine magnetic stereo pickup for the audiophile. This new, modern-design cartridge has been precisely engineered to provide an outstandingly high level of performance at a price unusually low for a pickup of this quality. Has the easily replaceable "T-Guard" stylus assembly, with .0007" diamond stylus. Also features push-pull magmetic type generator for 16 millivolts of extremely low-distortion output per channel. Hum bucking coils assure extremely low hum levels. *Frequency response:* Smooth from 30 to 15,000 cps. *Channel Separation:* 20 db. *Recommended Tracking Force:* 4 to 6 grams. ½" mtg. centers. Cartridge is 4-terminal type—grounds will combine for use with 3-wire systems. 2 oz.

89 RC 275. NET.....................**16.50**

DIAMOND REPLACEMENT STYLI

Shpg. wt., 2 oz.

Stock No.	Mfr's Type	For	NET EACH
89 RC 244	D-3807C	380C	15.00
89 RC 245	D-3807A	380A, 381A	19.65
89 RC 277	D-9007	90	9.90
94 RC 734	D-3707C	371	12.00

"GYROPOISE" 800 TURNTABLE

Operating at 33⅓ rpm only, the 800
tures unique design for full eliminatio
vertical rumble—a superb turntable
stereo. Special idler virtually eliminates f
ter and wow. Synchronous motor; buil
leveler with indicator. Panel size, 13
13½"; requires 1⅝" above, 3" below pa
Base plate, 5/32" thick. Less base, arm.
110-120 v., 60 cycle AC. 13½ lbs.

89 RX 532. *Only $5 Down.* NET...**66.**

WOOD BASE. 5⅜" high by 14¾" sq. Spe
mahogany, blonde or walnut. 5½ lbs.

89 RX 533C. NET.....................**15.**

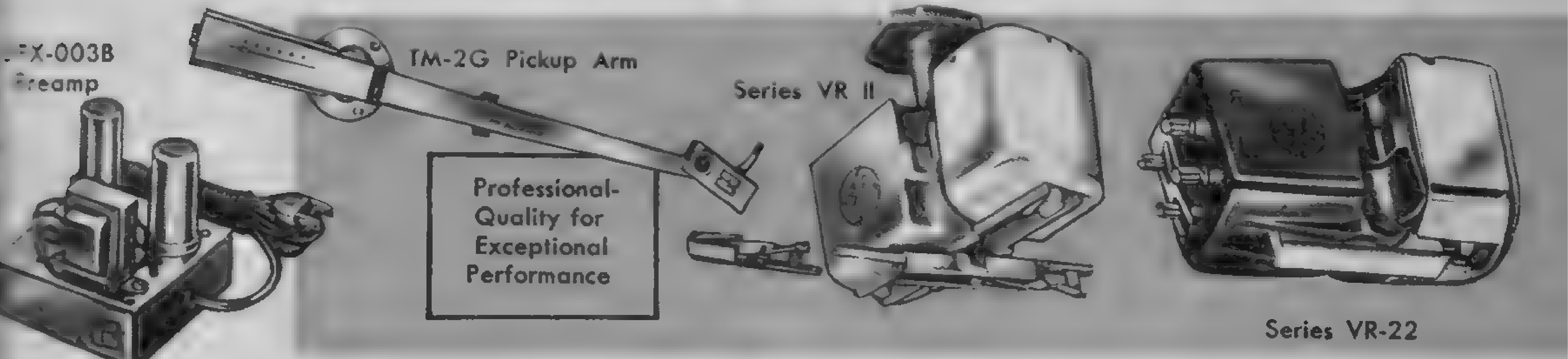
MODEL 198 ARM AND CARTRIDGE

An integrated arm and cartridge combi
the top-rated Unipoise arm and the fam
380A cartridge (left). This precision ins
ment features a single friction-free p
which permits precise tracking of w
range stereo records at minimum st
force adjustment. Designed for absenc
distortion causing mechanical resonan
Highly compact; mounts on a motorb
only 15½" square. *Tracking force:* adjusta
2 to 5 grams. Shpg. wt., 3 lbs.

89 RC 278. *Only $5 Down.* NET..**54.**

Outstanding G.E. High-Fidelity Components

WORLD-RENOWNED FOR DELUXE QUALITY AND RELIABILITY



MODEL UPX-003B PREAMP

ermits using mike or magnetic cartridge h amplifiers without preamps. 32 db n. With 2-ft. output cable and 6SC7 tube. x3⅝x3¾″. For 110-125 volts, 60 cycle C. Shpg. wt., 2½ lbs.

3 S 749. NET....................11.71

MODEL TM-2G PICKUP ARM

is 12″ precision arm features unique two- tracking force adjustment—arm is bal- ed to zero force, then set for any force m 0 to 6 grams for accurate tracking. In- des arm rest and head. Height adjust- e, ⅜-2¼″. Less cartridge. 2½ lbs.

R 704. *$2 Down.* NET........29.35

G. E. MODERNIZATION ASSEMBLIES

REPLACEMENT "CLIP-IN-TIP" STYLI

r RPX "Clip-In-Tip" cartridges. 2 oz.

k No.	Mfr's Type	Stylus	Radius	NET
RC 992	RPJ-01D	Diamond	.001″	9.75
R 995	RPJ-01S	Sapphire	.001″	1.96
R 997	RPJ-03S	Sapphire	.003″	1.96

STYLI MODERNIZATION ASSEMBLIES

nvert G.E. triple-play cartridge types X-050, -052, -053, -047 to "Clip-In- p". "S"—Sapphire: "D"—Diamond. 2oz.

R 988	RPJ-010A	S-.001″ S-.003″	3.50
RC 989	RPJ-013A	D-001″ S-.003″	11.71

SINGLE TIPPED REPLACEMENT STYLI

r G.E. RPX-040, -041, -061, -063 car- dges. (These cartridges not adaptable for with "Clip-In-Tip" styli.) 2 oz.

R 281	RPJ-005	Sapphire	.001″	2.06
C 815	RPJ-004	Diamond	.001″	10.29

VR II MONOPHONIC CARTRIDGES

VRII high-compliance monophonic cartridges—famous for brilliant performance. Tracking force is only 4-6 grams in a professional-type arm (6-8 grams in a changer using a triple-play cartridge). Frequency response is smooth over the entire range of 20 to 20,000 cps. Cartridges are fully shielded in mu-metal and incorporate specially wound coils to suppress hum and noise pickup.

Output (nominal) is 22 mv at 10 cm/sec (1000 cps). Clip-in styli are easily and independently replaceable. Mounting centers: ½″ and 7/16″. In tables below, "S"—sapphire; "D"—diamond Av. shpg. wt., 3 oz.

TRIPLE-PLAY TYPES

Stock No.	Type	Stylus Tips	NET
72 RC 851	4G-050	S-.001″ S-.003″	9.75
72 RC 852	4G-052	D-.001″ S-.003″	19.55

SINGLE-STYLUS TYPES

Stock No.	Type	Stylus Tip	NET
72 RC 854	4G-040	S-.003″	7.35
72 RC 855	4G-041	S-.001″	7.35
72 RC 857	4G-061	D-.001″	17.59

REPLACEMENT STYLI FOR VR II SERIES

Av. shpg. wt., 2 oz.

Stock No.	Type	Stylus	Radius	NET
72 R 858	4G-01S	Sapphire	.001″	1.96
72 R 860	4G-03S	Sapphire	.003″	1.96
72 RC 861	4G-01D	Diamond	.001″	9.75

RQB-001 STYLUS BRUSH. Soft bristle brush for cleaning stylus assemblies. Reduces distortion, saves records. 2 oz.

65 R 972. NET....................10c

VR-22 STEREO CARTRIDGES

A product of advanced engineering techniques, these units are manufactured to the highest standards—assuring superb audio reproduction. The VR-22 series incorporates lower inductance to guard against any possible hum pickup. Has a channel separation of up to 30 db. Other features include low distortion, easily replaceable stylus, etc. Output is 12 mv (nominal) per channel at 10 cm/sec. Can be used with both 3 and 4-wire systems. Mounting centers: ½″ and 7/16″.

MODEL VR-227. Has .0007″ diamond stylus. Response, ±3 db, 20 to 18,000 cps. Recommended tracking force, 6 grams. Compliance: vertical, $2x10^{-6}$ cm/dyne; lateral $3x10^{-6}$ cm/dyne. Shpg. wt., 3 oz.

89 RC 201. NET................14.65

MODEL VR-225. Has .0005″ diamond stylus. For turntable use in a professional-type pickup arm. Response, ±3 db, 20 to 20,000 cps. Recommended tracking force, 3 grams. Compliance: vertical, $2.5x10^{-6}$, cm/dyne; lateral $4x10^{-6}$ cm/dyne. 3 oz.

89 RC 219. NET................ 16.61

REPLACEMENT STYLI FOR ABOVE

Shpg. wt., 2 oz.

Stock No.	Type	For	Tip	NET
89 RC 241	VR-222	VR-227	.0007″ Diamond	9.75
89 RC 242	VR-221	VR-225	.0005″ Diamond	11.71

REPLACEMENT STYLI FOR SERIES GC AND CL STEREO CARTRIDGE

79 RC 702	ST7D	GC-7, CL-7	D-.0007″	9.75
79 R 703	ST7S	CL-7	S-.0007″	2.45
79 RC 706	ST5D	GC-5	D-.0005″	11.71

GRADO

CKUP ARM. Skillfully designed one-piece balanced arm. Hand-rubbed, gun stock nt with finely-machined anodized alu- m fittings. Overhang micrometer ad- ent, ±¼″. Tracking error: ±0.8%. rometer tracking force adjustment to gram for maximum accuracy. Less car- e, below. Has 4 leads. 1¾ lbs.

RX 260. *$2 Down.* NET......29.95

OM" CARTRIDGE. Deluxe magnetic p. 10-40,000 cps response for superb duction. 30 db channel separation. 7 per channel. Factory-replaceable .0007″ ond stylus. Shpg. wt., 3 oz.

C 233. *$2 Down.* NET.......32.50

ASTER" CARTRIDGE. For turntable use—a ant performer. 10-50,000 cps; 30 db ation. 5 mv per channel. .0005″ fac- -replaceable diamond stylus. 2 oz.

C 214. *$2 Down.*NET......... 49.50

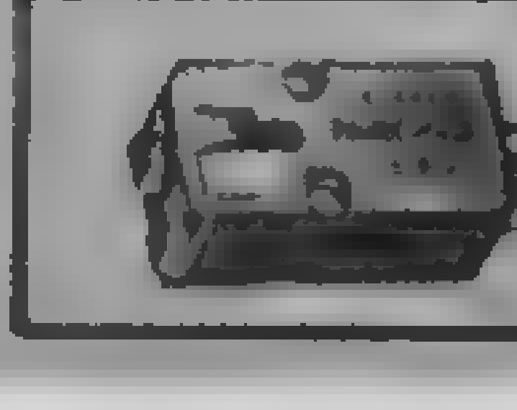
FAIRCHILD A Superb Value!

PROFESSIONAL-QUALITY

TURNTABLE-CARTRIDGE-ARM

BASE OFFER

SAVE $21.35



PROFESSIONAL TURNTABLE SYSTEM. Offers superlative specifications—plus big $21.35 savings. Consists of famous Fairchild 412-1 33⅓-rpm turntable and SA-12 stereo pickup arm, complete with SM-1 stereo cartridge (right), plus deluxe hardwood base finished in handsome oiled walnut with white top. Turntable features time-proven double-belt drive and self-lubricating hysteresis-synchronous motor. Precision-built actually—exceeds rigid NARTB specifications. The precision-engineered model SA-12 pickup arm has been designed specifically for the SM-1 stereophonic cartridge at right—also accepts other standard-size stereo and monophonic cartridges. Accommodates records up to 12″ in diameter. Has plug-in slide, 2 independent shielded output cables, etc. Easy assembly. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 51 lbs. *Only $5 Down.*

89 RZ 713. Complete Pkg., Only 165.00

MODEL 412-1 TURNTABLE ONLY. Less base and arm. 13x15½″; requires 1½″ above, 5⅞″ below mtg. board. 30 lbs.

99 RU 205. *$5 Down.* NET........87.50

MODEL SM-1 STEREO CARTRIDGE. .0007″ diamond stylus (user-replaceable). Response, 20-15,000 cps. ½″ or 7/16″ mounting centers. Output, 16 mv per channel. Shpg. wt., 4 oz.

89 RC 218. *$2 Down.* NET.......34.95

REPLACEMENT STYLUS. For above. 2 oz.

89 RC 240. NET.................15.00

MODEL SA-12 PICKUP ARM ONLY. Less cartridge. Shpg. wt., 6 lbs.

89 RX 263. *$2 Down.* NET........39.95

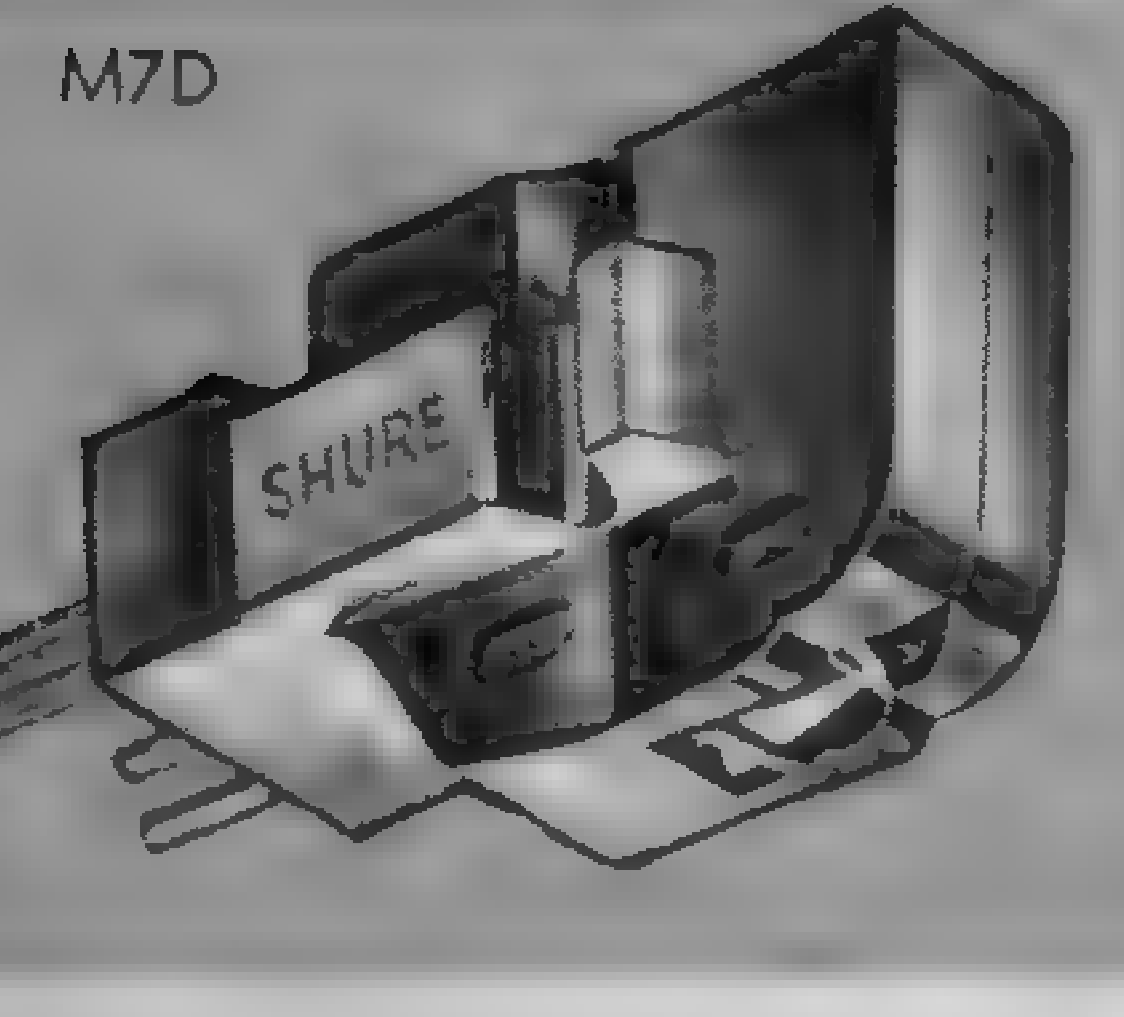
EXTRA PLUG-IN HEAD. For above. 3 oz.

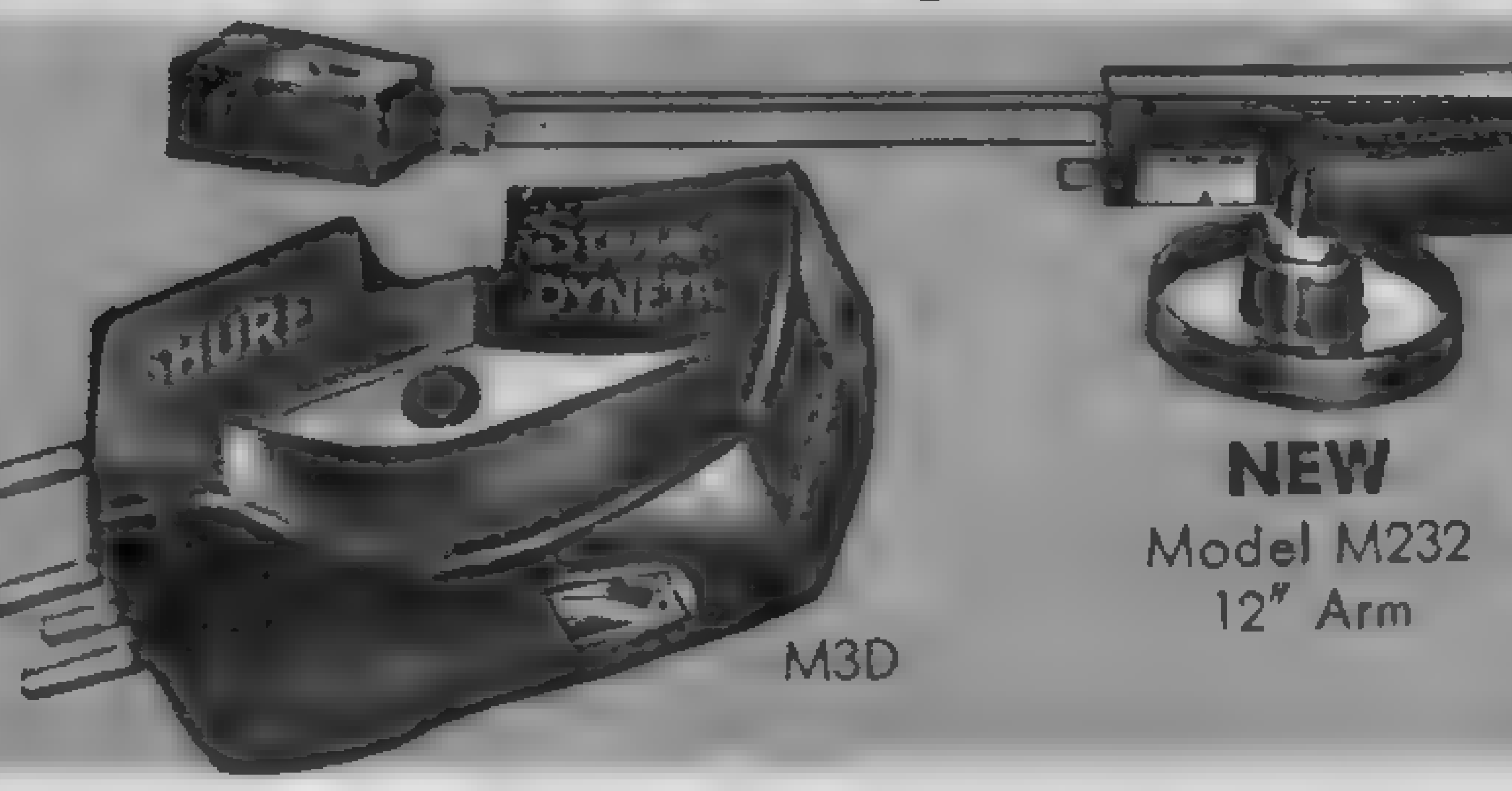
89 R 264. NET.......................4.50

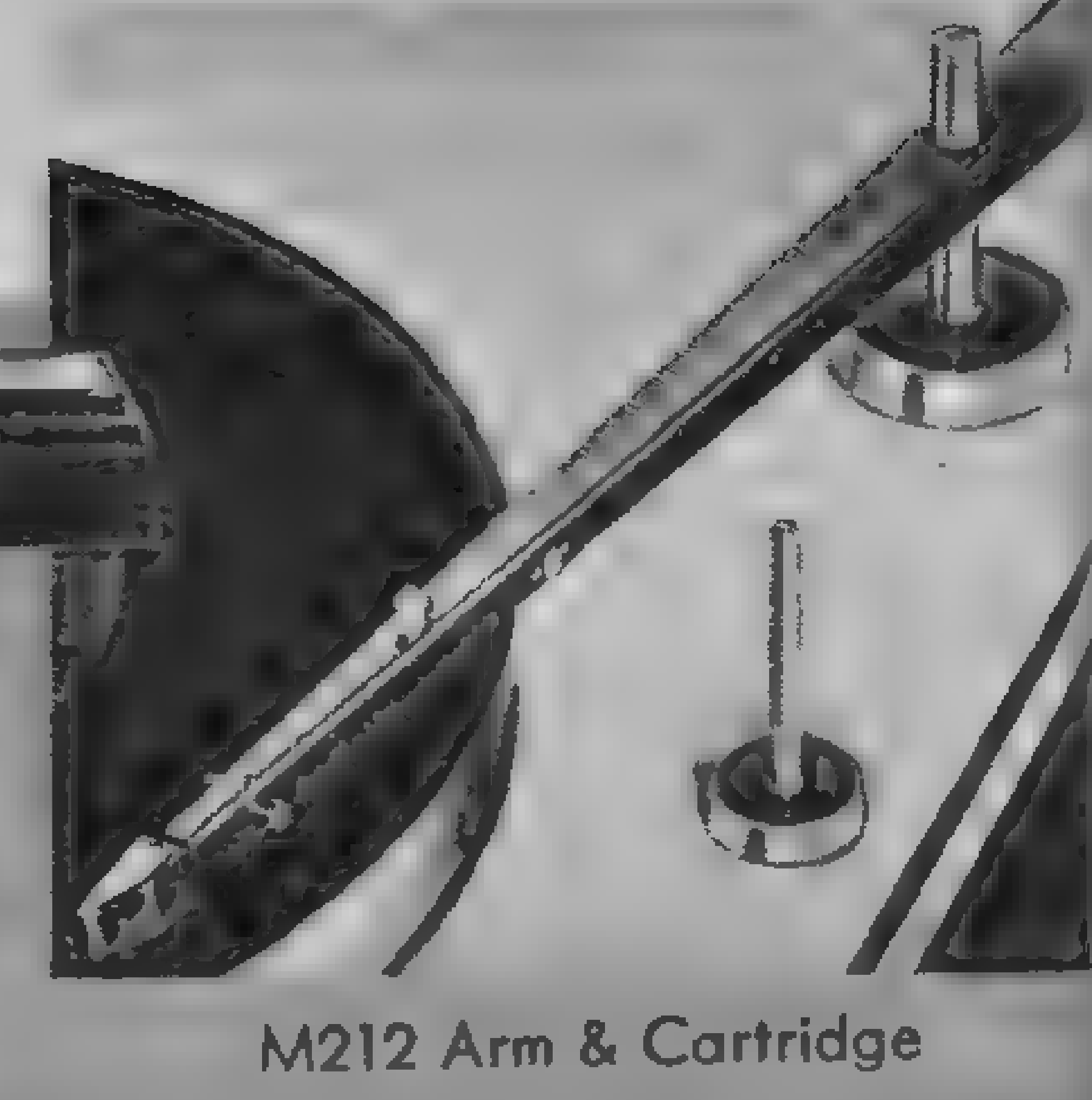
HARDWOOD BASE FOR FAIRCHILD TURNTABLE. 7½x21¼x14½″. Finished in oiled walnut—white Formica top. Wt., 15 lbs

89 RX 635. *$2 Down.* NET........23.95

SHURE Stereo Hi-Fi Components






M212 Arm & Cartridge

NET

$2352

$2 down

MODEL M7D "CUSTOM" DYNETIC CARTRIDGE. Highly popular stereo magnetic cartridge with user-replaceable .0007" diamond stylus. Exceptionally high compliance and low tracking force insure peak performance. Response, 20-15,000 cps. Separation, better than 20 db at 1000 cps. Tracking force, 4 to 7 grams. Vertical and Lateral Compliance, 3.5x10-6 cm/dyne. ½" and 7⁄16" mtg. centers. Fits most changers and pickup arms (except "Studio Dynetic"). Shpg. wt., 3 oz.
79 RC 242. *$2 Down.* **NET**.......**23.52**

NET

$1617

NEW M8D "STANDARD" DYNETIC CARTRIDGE. Low-cost version of the M7D, for use in record changers. Has user-replaceable, .0007" diamond stylus. Response, 30-15,000 cps. Tracking force, 5 to 8 grams. Other specifications same as the M7D. ½" and 7⁄16" mtg. centers. 3 oz.
89 RC 279. NET..................**16.17**

MODEL M3D "PROFESSIONAL" DYNETIC CARTRIDGE. Hand-assembled magnetic stereo cartridge with user-replaceable .0007" diamond stylus. Studio quality—all specifications guaranteed within rigid laboratory tolerances. Has all the fine features of the M7D plus extremely high vertical and lateral compliance, 4.0x10-6 ~~cm/dyne. ½"~~ mtg. centers. Wt., 3 oz.
79 RC 215. *$2 Down.* **NET**........**44.10**

NEW MODEL M232 PROFESSIONAL PICKUP ARM. Premium-quality, 12" pickup arm that accommodates practically all cartridges, and permits their maximum potential performance to be realized. Features precision ball bearings at all pivot points, plug-in head with positive-alignment lock, and variable height adjustment. Combination of adjustments gives you instant, positive visual control over balance, tracking force and overhang. "Floats" stylus over the record, without drag, skip or unnecessary force.

Tracking force adjustable from 0 to 8 grams. Includes: cable having plug on each end to simplify installation without soldering, arm rest, mounting template, all hardware and 4-ft. cable assembly. 12 1⁄16" long. Less cartridge. Shpg. wt., 2 lbs.
89 RX 266. *$2 Down.* **NET**.......**29.35**

MODEL M236. Same as above, but arm is 14½" long. Shpg. wt., 2 lbs.
89 RX 267. *$2 Down.* **NET**..........**31.31**

MODEL A23H EXTRA PLUG-IN HEAD. For above arms. Shpg. wt., ¼ lb.
89 R 268. NET.....................**2.35**

DIAMOND REPLACEMENT STYLI

Av. shpg. wt., 2 oz.

Stock No.	Type	For	NET
79 RC 712	N3D	M3D	22.05
~~79 RC 713~~	N7D	M7D	11.76
89 RC 281	N8D	M8D	8.08
89 RC 239	N21	M212, M216	24.25

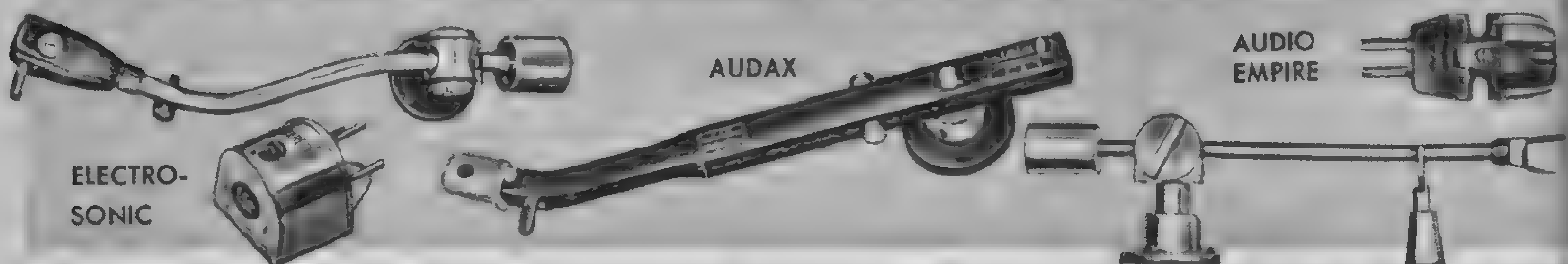
MODEL M212 STEREO DYNETIC ARM AN CARTRIDGE. Latest version of the famo Shure "Studio Dynetic" integrated picku arm and cartridge. Now specially designe for stereophonic records, the professiona quality M212 "Stereo Dynetic" features extremely light tracking force and an ama ing degree of stylus compliance. Actual tracks stereo recordings at 1½ grams! Mo ing magnet design has high-permeabili shield and humbucking arrangement of co to prevent hum pickup. Arm pivots on ru thrust bearing—cartridge on sleeve-an cap jeweled bearings.

Frequency Response: ±2½ db, 20 to 20,0 cps. *Channel Separation:* better than 20 at 1000 cps. *Output Voltage:* 4.5 mv channel at 1000 cps. *Tracking Force:* Co tinuously adjustable from 1½ to 2½ gra *Vertical and Lateral Compliance:* 9x1 cm/dyne. *Recommended Load Impedan* 47,000 ohms. Includes Model M21 ster cartridge and user-replaceable .0007" d mond stylus. Shpg. wt., 1 lb.
89 RC 250. *$5 Down.* **NET**.........**87.**

MODEL M216. As above, but 16" pickup ar Shpg. wt., 1¼ lbs.
89 RC 251. *$5 Down.* **NET**........**87.**

NEW MODEL A30C STEREO CABLE ASSE BLY. For hum-free installation of either pic up arm described above. 6-ft. cable leng Includes easy-to-follow instructions. Sh wt., 3 oz.
89 R 269. NET.......................**1.**

MORE SELECTIONS IN TOP-QUALITY PICKUP ARMS AND CARTRIDGES



ELECTRO-SONIC MODEL ESL-S 1000 "GYRO-BALANCE" ARM. A skillfully designed pickup arm that makes turntable leveling unnecessary—the S-1000 will actually play records at any angle up to 90°! Tracks at 2 grams with C100 cartridge, below. Less cartridge. Shpg. wt., 2 lbs.
72 RX 753. *$2 Down.* **NET**.......**34.95**

EXTRA PLUG-IN HEAD. Shpg. wt., 2 oz.
79 R 711. NET....................**2.95**

MODEL ESL-C 100 "GYRO-JEWEL" CARTRIDGE. An inherently linear cartridge that employs 2 subminiature D'Arsonval movements for faithful transmission of vertical and lateral groove components on the stereo record. Four precious-gem pivots. Response, 18-30,000 cps. Output, 0.6 mv per channel at 10 cm/sec. Includes pair of TM-100 transformers, below. Tracks at 2-4 grams. Includes .0007" diamond stylus (factory-replaceable). Shpg. wt., 3 oz.
89 RC 248. *$5 Down.* **NET**......**100.00**

ESL-C99 CARTRIDGE. With .0007" diamond stylus. Requires two TM-100's, below 3 oz.
89 RC 234. NET................**49.50**

TM-100 TRANSFORMERS. For C99 above; increase output to 8 mv. Shpg. wt., 3 oz.
79 R 710. PACKAGE OF TWO. NET.15.00

AUDAX STEREO PICKUP ARM KITS. Top-quality pickup arms, either 12" or 16", in low-cost, money-saving kit form. You need only a screwdriver and 15 minutes of time to completely assemble a high-quality arm.

Accepts any stereo or monophonic cartridge. Precision-engineered to broadcast standards, these pickup arms employ simple, one-piece construction with no loose parts or springs.

Only two moving parts—the carefully designed vertical and lateral pivots, which give these arms remarkably free motion. Carefully determined, calibrated offset angle insures optimum tracking and correct tangency of the stylus to the record groove.

Aluminum arm channel tapers from broad to narrow width to prevent undesirable resonances. Cartridge plug-in head is fixed to the arm by means of a knurled screw—stylus-to-groove alignment can be made at a glance. Selector index at rear of arm permits adjustment of force for all popular cartridges. Includes convenient fingerlift.

Pre-wired for stereo use (3 wires). Less cartridge. Av. shpg. wt., 2½ lbs.
72 R 747. KTS-12. 12". NET.......**15.50**
72 R 748. KTS-16. 16". NET........**18.50**

NEW AUDIO EMPIRE MODEL 88 MOVIN MAGNET STEREO CARTRIDGE. Over 20 channel separation. Response, ±2 db, 20 20,000 cps. Includes user-replaceable, .00 diamond stylus. Tracks at 2-5 grams. Co pliance, 5x10-6 cm/dyne. 3 oz.
89 RC 297. *$2 Down.* **NET**.......**24.**

NEW A-E MODEL 98 TRANSCRIPTION A Professional-quality 12" pickup ar Achieves dynamic balance in all planes keep stylus in perfect position, even if tu table is tilted. Less cartridge. 3 lbs.

89 R 299. *$2 Down.* **NET**........**34.**
RS EXTRA PLUG-IN HEAD. For above. 3
89 R 247. NET.......................**6.**

NEW MODEL 108 "STEREO-MONO" CA RIDGE. (Not illus.). Response, ±2 db, 15 30,000 cps. Output, 8 mv. More than 25 cm/dyne. With .0007" diamond stylus (us replaceable). Tracks at 1½ to 5 grams. and 7⁄16" mtg. centers. 3 oz.
89 RC 273. *$2 Down.* **NET**.......**34.**

MODEL S88-7RD .0007" REPLACEMENT MOND STYLUS. For Empire 88. 2 oz.
89 RC 298. NET...................**12**

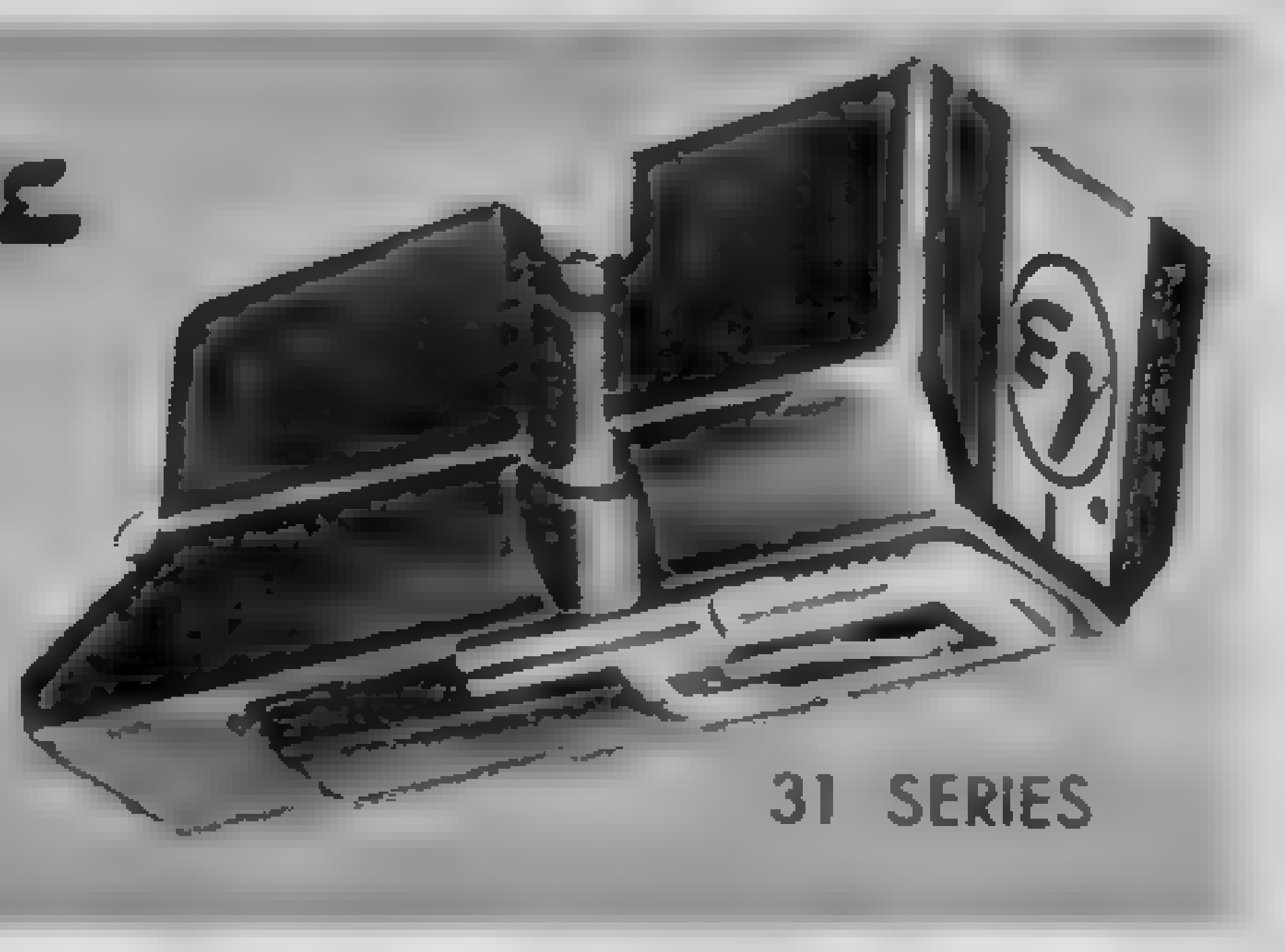
MODEL S108-7RD .0007" REPLACEMENT MOND STYLUS. For Empire 108. 2 oz.
89 RC 282. NET...................**17**

Popular Stereo Cartridges and Pickup Arms

Electro-Voice

Professional "Magneramic"

Ceramic Cartridge



REK·O·KUT

Tubular Aluminum Design; Special Pivot with Double Set of Friction-Free Bearings

MODEL 31MD-7 CERAMIC CARTRIDGE

NET **$23.52** **$2 down**

An expertly designed, moderately priced ceramic stereo cartridge for faithful stereo or monophonic reproduction. Precise and accurate, the 31MD-7 employs two independent generating elements made of lead-zirconium-titanate (ceramic), for freedom from electro-magnetic hum induced by phono motors, etc. Exceedingly small, effective stylus mass (less than 2 milligrams), insures the finest transient onse possible. Designed for magnetic inputs, the 31MD-7 laces conventional magnetic cartridges directly—no circuit anges are necessary. An outstanding unit, you get clean separa- excellent compliance and low distortion. Tracking force is y 2 to 4 grams for transcription turntable use; 4 to 6 grams for ord changer use.

quency response, ±2 db, 20 to 15,000 cps. Output, 8 milli- ts. Vertical and lateral compliance, $3.5x10^{-6}$ cm/dyne. Ex- tional channel isolation—28 db or higher at 1000 cps. In- rporates built-in printed circuit to accurately match the netic input circuit of the preamplifier. Includes user-replaceable, 07" diamond stylus.

dely accepted by hi-fi fans, it includes a shielded lead and all essary hardware for quick and easy installation in virtually any kup arm. Has 4 terminals; standard ½" and 7/16" mounting ters. Shpg. wt., 3 oz.

RC 206. *$2 Down.* NET 23.52

DEL D7-7 REPLACEMENT STYLUS. .0007" diamond stylus for above. ck, slide-in installation. Shpg. wt., 2 oz.

RC 235. NET 5.88

MODEL S-120 12" PICKUP ARM

NET **$24.95** **$2 down**

An outstanding pickup arm, from one of the finest names in the hi-fi field. Featuring unitized construction, the S-120 is a tubular aluminum arm, with die-cast aluminum cartridge shell and die-cast counterweight. To assure maximum freedom of horizontal movement, pivot consists of two races—an inner and outer—and two rows of sealed-in steel balls, one above the other. The shaft on which the arm rotates is fitted into the inner race to form a single, integrated bearing assembly. Achieves maximum shaft alignment and stability; provides a virtually friction-free pivot.

Stylus pressure is adjusted by means of a counterweight threaded on far end of arm. Has self-locking feature once correct weight position is selected. An offset bend in the arm compensates for geometric tracking error. Cartridge plug-in head has open-front design to permit visible placement of stylus in record groove. Each head has two spring-loaded silver-plated pin terminals for positive contact. Convenient, contoured lift extends from plug-in head to allow fingertip lifting of arm. Pivot base has adjustment for setting height of arm to conform with turntable base being used. Includes dual-function arm rest—arm can be rested, or secured between two spring clamps. Accepts any stereo cartridge. With plug-in head; less cartridge. Shpg. wt., 2¼ lbs.

72 RX 750. *$2 Down.* NET 24.95

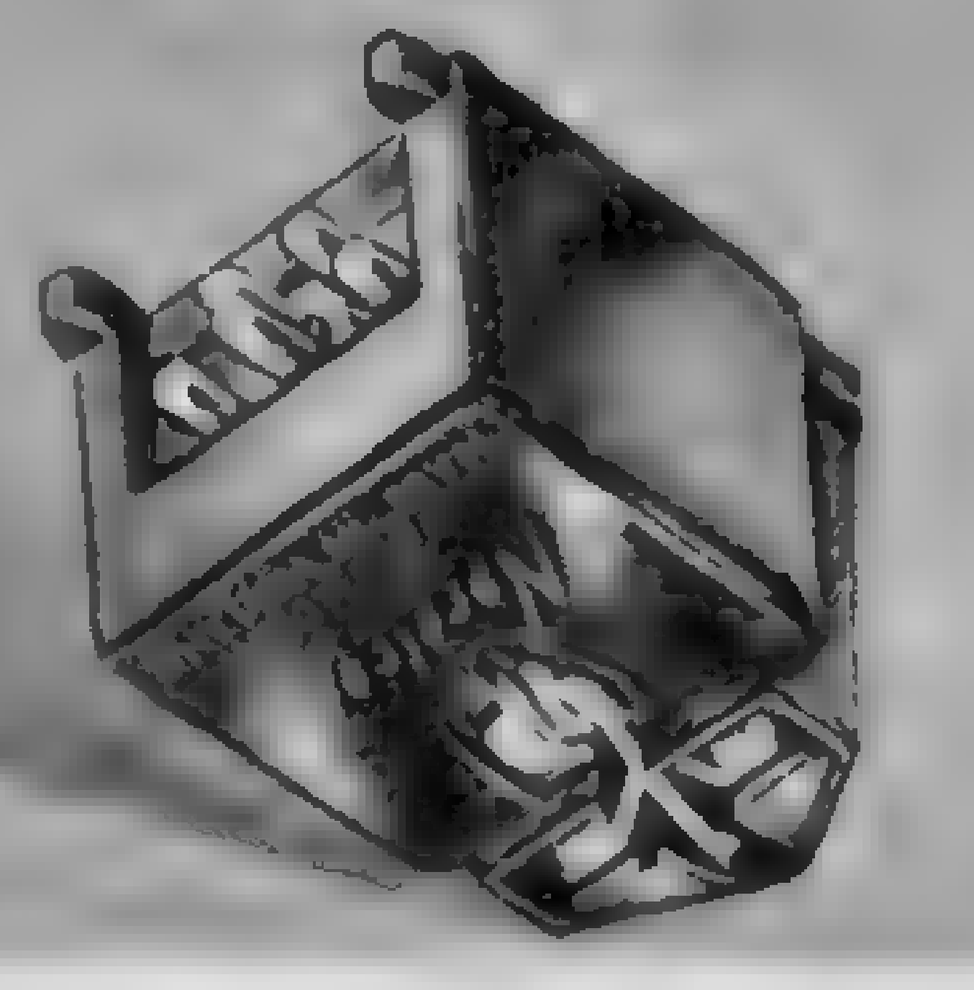
MODEL S-160. As above, but for records to 16" in diameter.

72 RX 751. *$2 Down.* NET 27.95

72 R 752. **Model PS-20 Extra Plug-In Head.** Wt., 3 oz. NET 5.95

89 R 276. **Model KK-1 Stereo Cable Kit for S-120.** 3 oz. NET .. 2.49

NORELCO



EW MODEL AG3400 MAGNETO-DYNAMIC EREO CARTRIDGE. Made in Holland by e of Europe's most renowned audio nufacturers, this unique cartridge is an standing performer. Among its fine tures, it offers: extremely high vertical pliance for top fidelity from stereo or ophonic LP records; high output; and r-replaceable, .0007" diamond stylus.

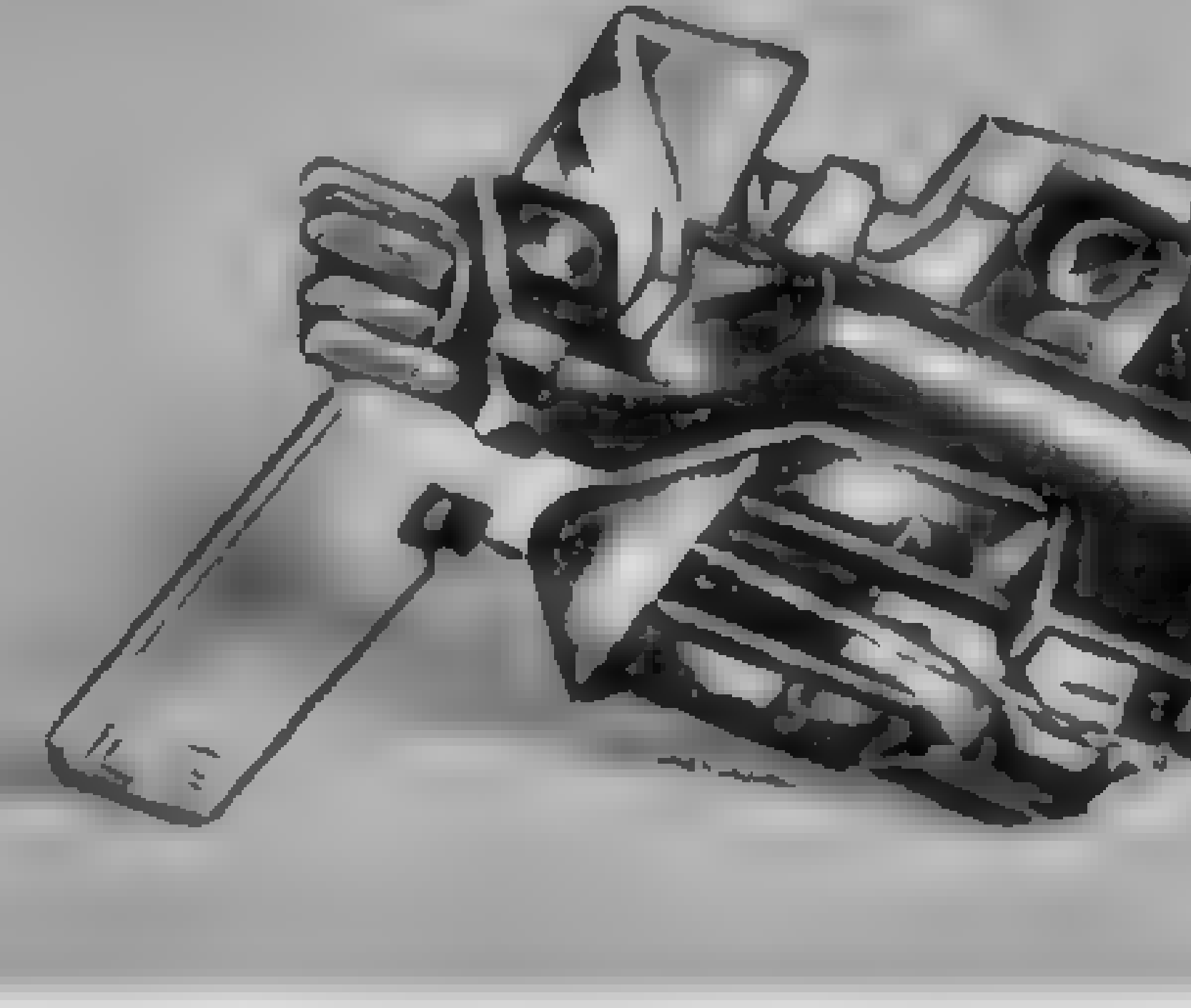
gneto-dynamic principle employs two rods of platinum-cobalt alloy acting as atures, between two mu-metal pole ces. Stylus rides between two viscoloid ping blocks, connected to a coupling y. Each half of coupling body conducts s vibrations in one direction only. cific advantages include: high vertical pliance of $3.5x10^{-6}$ cm/dyne; high out- more than 30 mv per channel at 10 ec; high channel separation (more than at 1000 cps); very low dynamic mass grams); and low stylus pressures— ks at 3 to 5 grams. Response 50 to 18,000 ½" or 7/16" mtg. centers. 3 oz.

RC 271. *$2 Down.* NET 29.35

DEL 946/D14 REPLACEMENT DIAMOND US. Shpg. wt., 2 oz.

RC 272. NET 7.79

DUOTONE



MODEL GPS-73-SD TURNOVER CRYSTAL STEREO CARTRIDGE. Made in England, this low-cost turnover cartridge is a standout choice for replacement use in phonographs, or for conversion use in economy stereo music systems. Features exclusive "Floating Needle Action" for greater vertical and lateral needle movement. Nullifies needle talk and pinch effect; aids in perfect tracking. Turnover mechanism places the stylus at a perfect 45° angle to each groove face to assure balanced reproduction when playing stereo records. Perfectly centers the needle for monophonic use also. Universal mounting—fits any phonograph or record changer pickup arm.

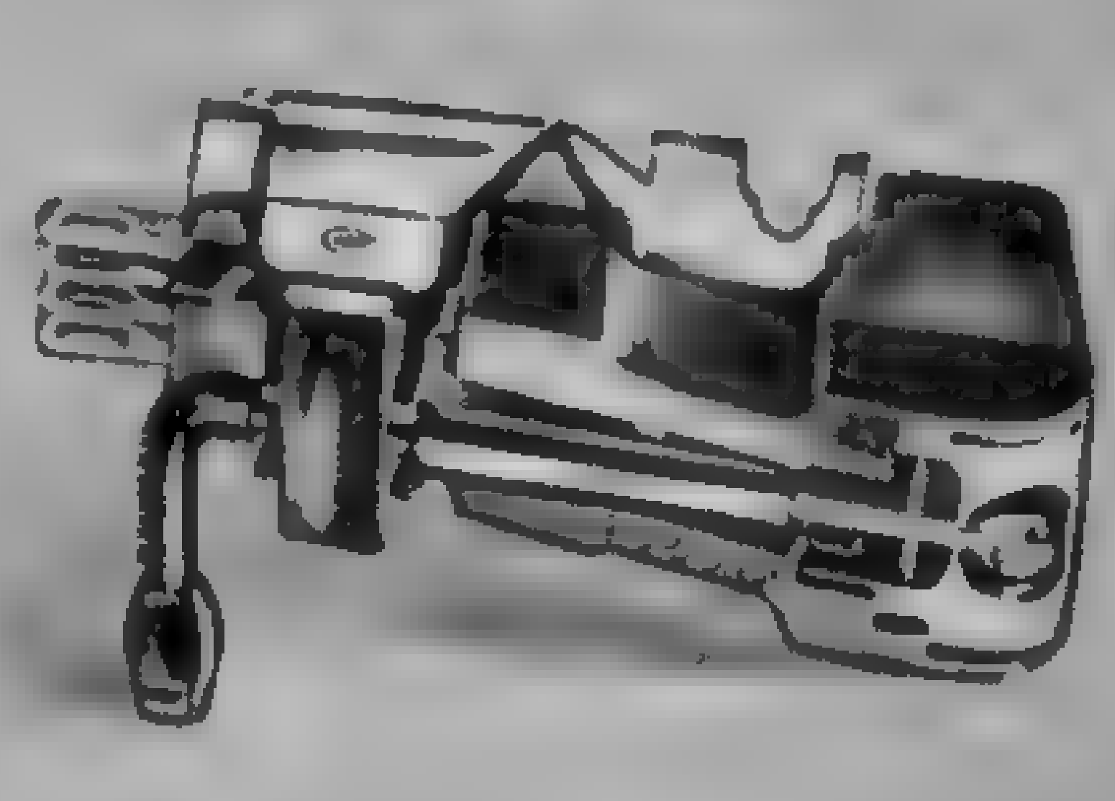
One volt output permits use without preamp stage. Response: 40-15,000 cps. Compliance: $4x10^{-6}$ cm/dyne. Channel Separation: 25 db at 1 kc. Tracking Pressure: 2 to 4 grams. Employs .0007" diamond and .003" sapphire styli (user-replaceable). 4-terminal wiring. Shpg. wt., 3 oz.

79 RC 235. NET 14.41

MODEL 846-DS REPLACEMENT STYLUS. For above. .0007" diamond, .003" sapphire tips. Shpg. wt., 2 oz.

79 RC 222. NET 6.44

SONOTONE



MODEL 8TA4-SD TURNOVER CERAMIC STEREO CARTRIDGE. Highly popular, low-cost ceramic cartridge for stereo or monophonic records. A top-quality unit, the 8TA4-SD features: ceramic design to prevent picking up hum from adjacent magnetic fields; broad channel isolation; full frequency response; and excellent compliance. Ceramic element is unaffected by extremes in temperature or humidity. Produces a voltage output sufficient to drive most amplifiers without the need for preamplification. Needle replacement is a simple matter with Sonotone's flip-under arrangement. User-replaceable stylus features .0007" diamond and .003" sapphire tips. Output, 0.3 volt.

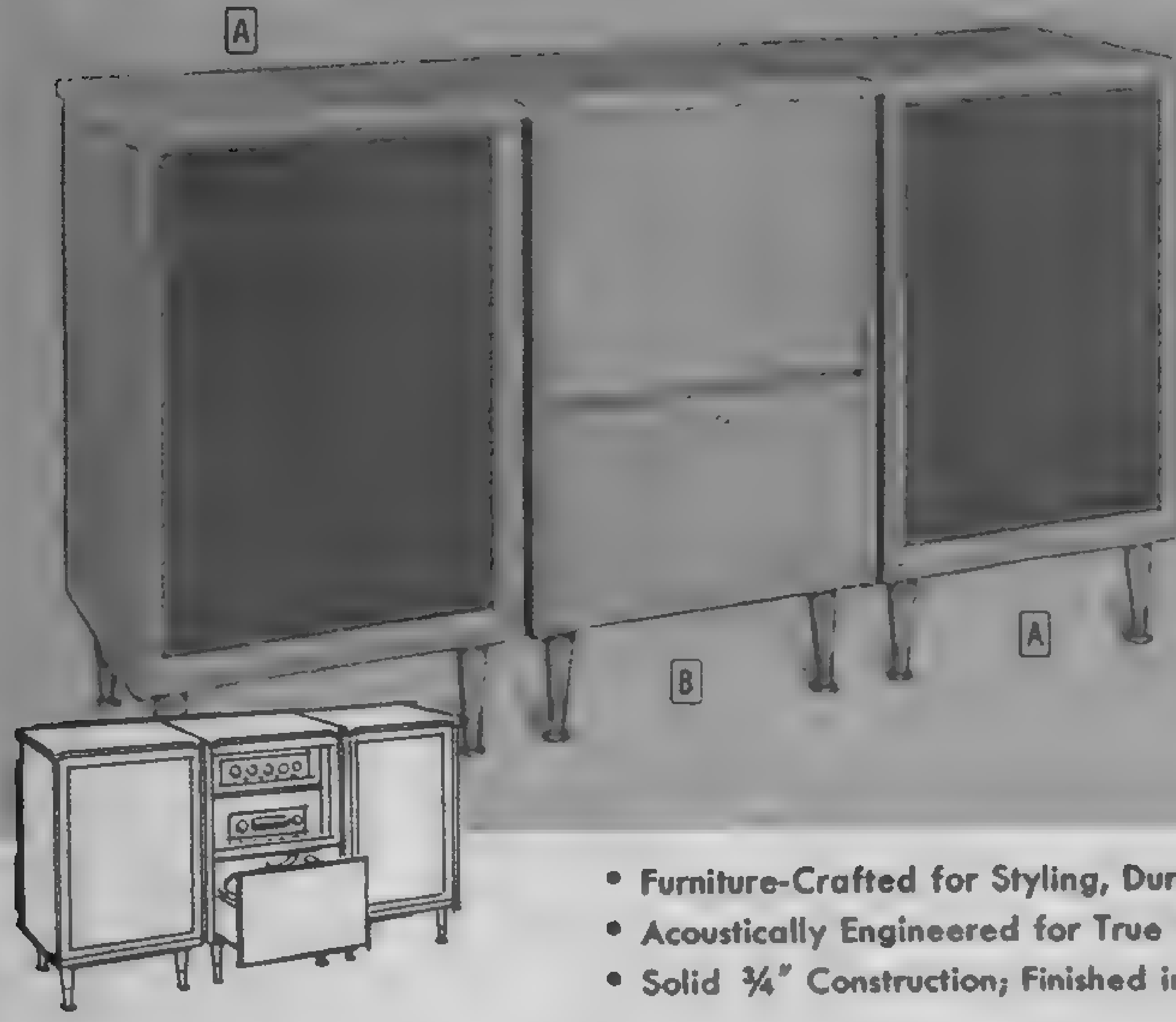
Frequency Response: smooth from 20 to 15,000 cps, gradual roll-off beyond. Channel separation: Better than 20 db. 3 to 6 grams tracking force. Compliance: $3x10^{-6}$ cm/dyne. 0.3 volts output. Has 4 terminals; mounts on standard 7/16" and ½" centers. Shpg. wt., 3 oz.

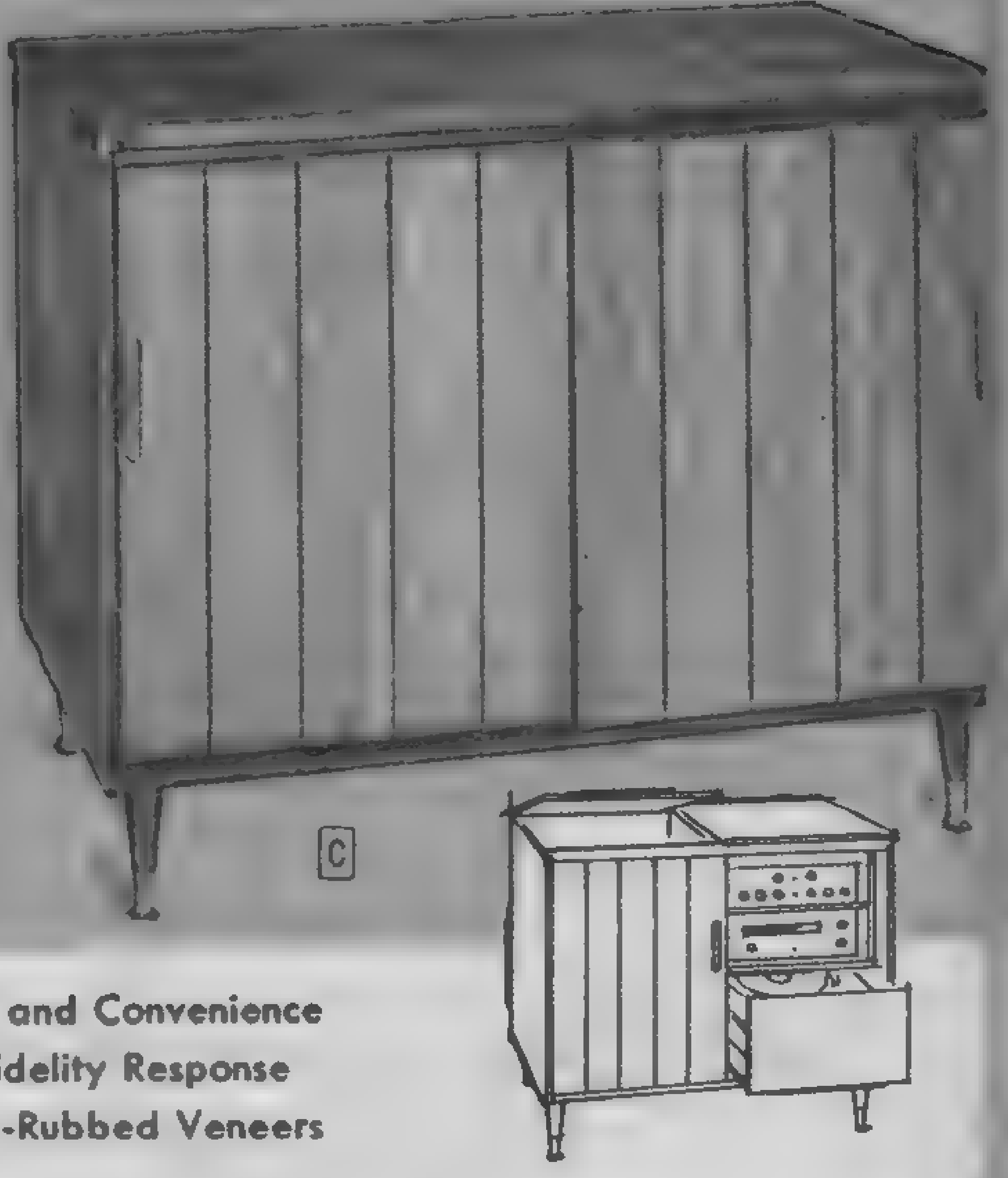
89 RC 211. NET 10.29

MODEL N-8TA-SD REPLACEMENT STYLUS. For above. Has .0007" diamond and .003" sapphire tips. Shpg. wt., 2 oz.

89 RC 237. NET 6.76

ROCKFORD QUALITY HI-FI CABINETRY AT LOW COST





- **Furniture-Crafted for Styling, Durability and Convenience**
- **Acoustically Engineered for True High-Fidelity Response**
- **Solid ¾″ Construction; Finished in Hand-Rubbed Veneers**

MODEL 101 HIGH-FIDELITY SPEAKER ENCLOSURE

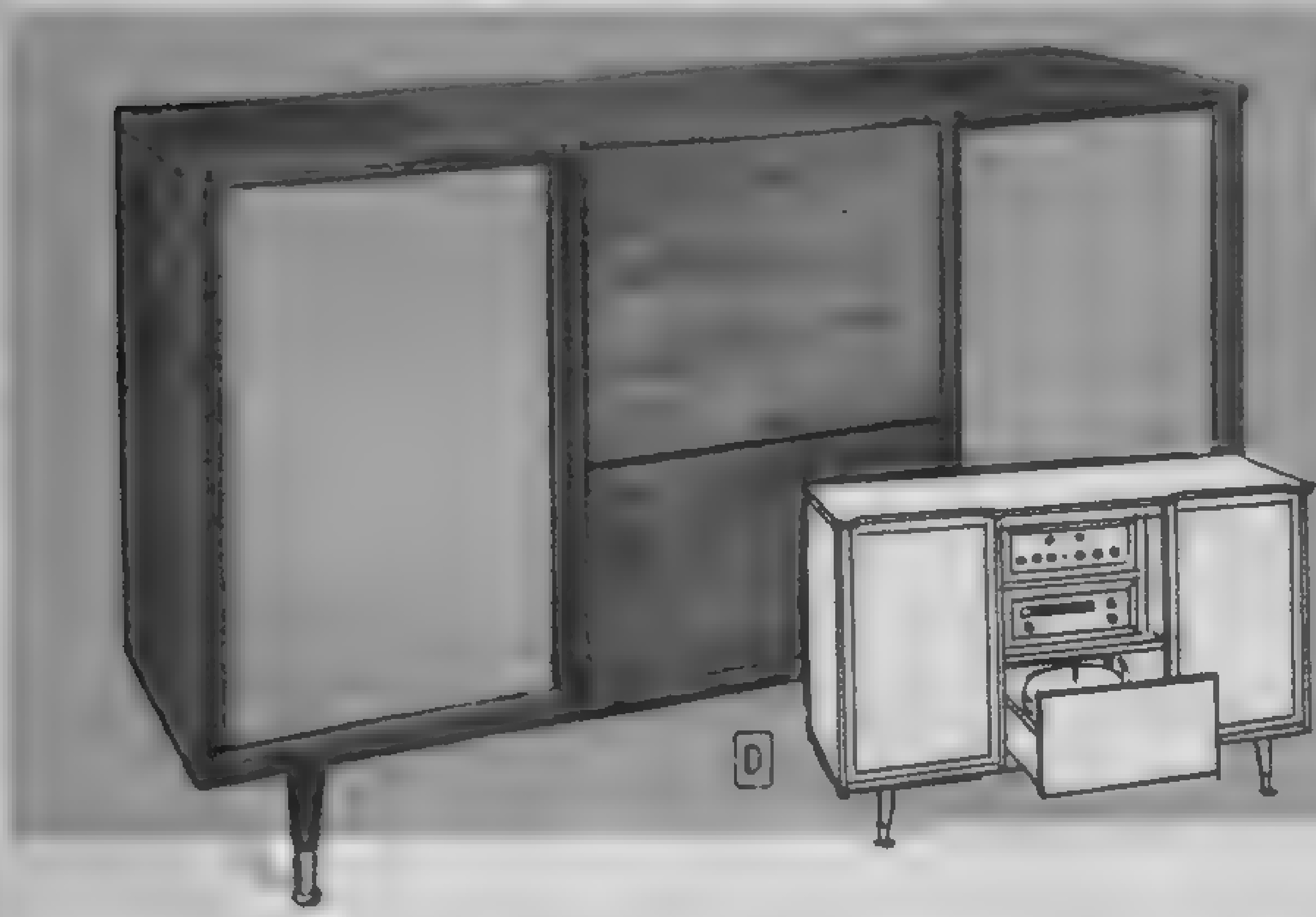
A This handsomely styled, acoustically engineered enclosure accommodates a 12″ or 15″ speaker and includes sufficient space for tweeter mounting. Perfect match for Model 100 cabinet, below. Dual-ducted port design assures rich bass response. Solid ¾″ panel construction—finished in hand-rubbed veneers. Has 6″ legs; brass ferrules; plastic cane grille cloth. 32¾x20½x18¾″ (with legs). **In mahogany, blonde or oiled walnut.** Wt., 50 lbs. *$5 Down.*
70 DZ 665C. *Specify Finish.* NET **55.95**

MODEL 100 HIGH-FIDELITY EQUIPMENT CABINET

B Smart, budget-priced unit for tuner and amplifier, with slide-out phono drawer. Includes blank panels for changer and equipment. Top section has adjustable shelf—measures 13½x18¼x16½″. Phono drawer, 10x18¼x16″. Overall, 32¾x20½x18¾″ (with legs). **In mahogany, blonde or oiled walnut hand-rubbed veneers.** Shpg. wt., 55 lbs. *Only $5 Down.*
70 DZ 071C. *Specify Finish.* NET... .... **57.50**

MODEL 105 HIGH-FIDELITY EQUIPMENT CABINET

C A quality component and record cabinet, combining functiona utility with graceful beauty. Designed to house your amplifie preamp, tuner, tape recorder, changer or turntable, and store ove 150 LP records. Perfect for use with Model 101 enclosure—also fine furniture piece when used by itself. Lift-top upper left com partment, 16⅝x19⅜x6″; lower left for record storage. Uppe right, 13⅜x18⅜″; lower right pull-out drawer has blank mounti board. Two smooth-gliding doors across front. Includes blank equi ment panel for custom installation. With 6″ legs, brass ferrule 32¾x40¾x20½″ (with legs). **In mahogany, blonde or oiled waln hand-rubbed veneers.** Shpg. wt., 113 lbs. *$5 Down.*
70 DZ 463C. *Specify Finish.* NET........................ **119.9**



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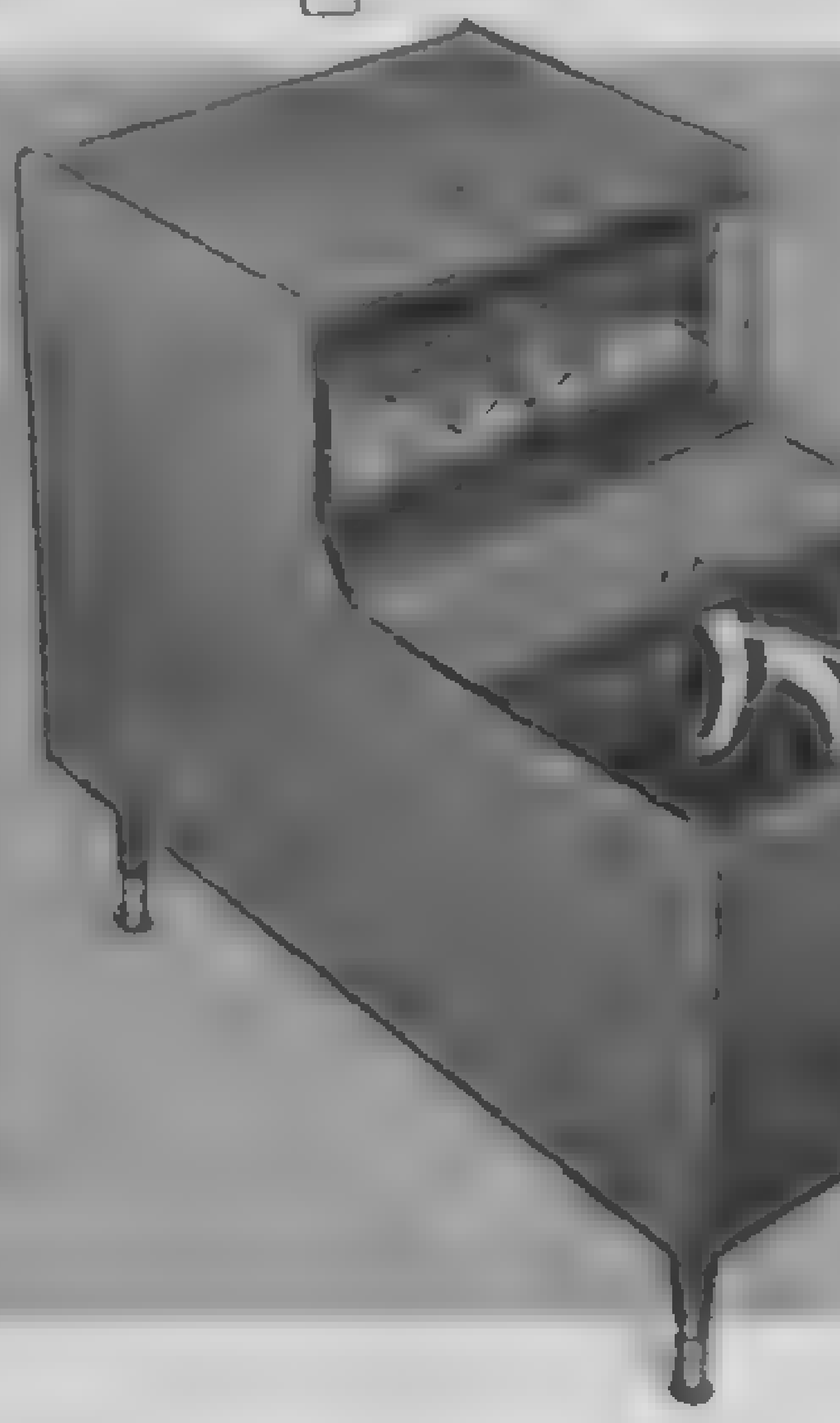

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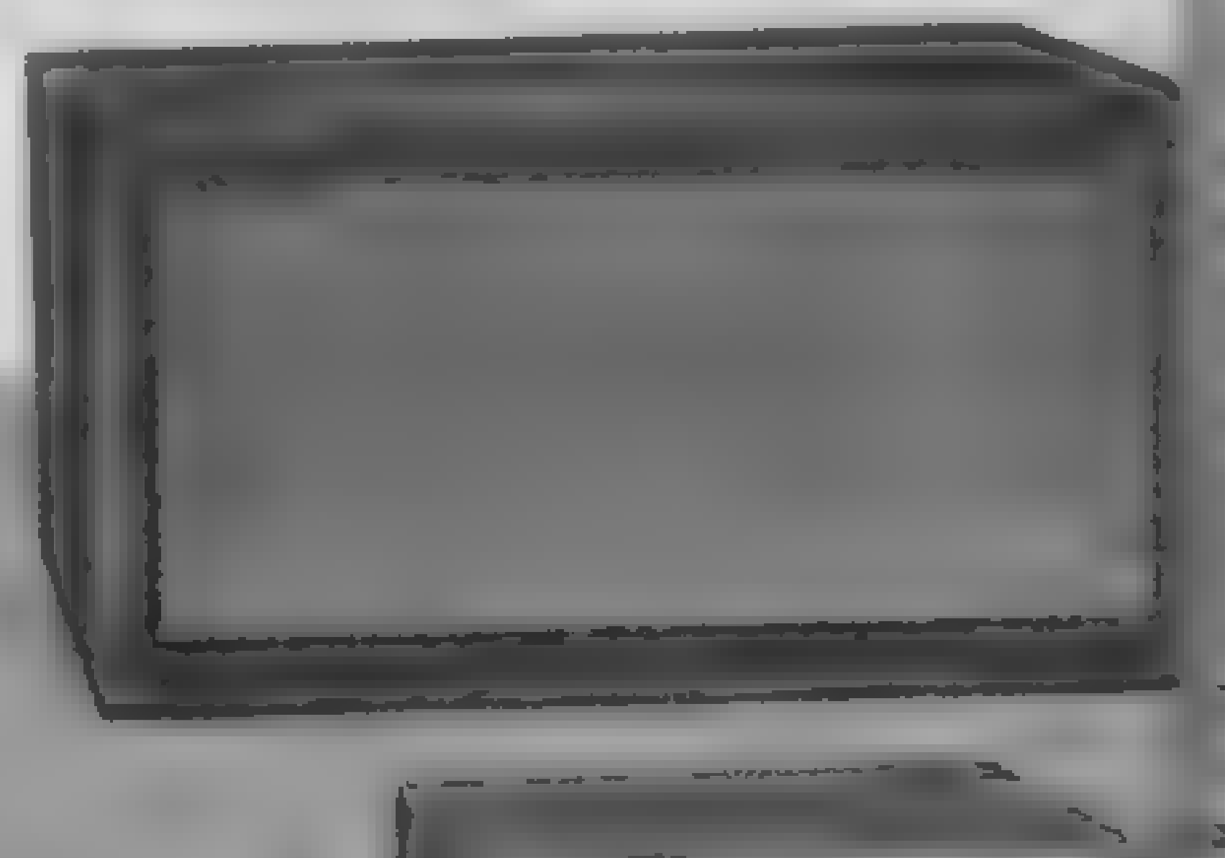
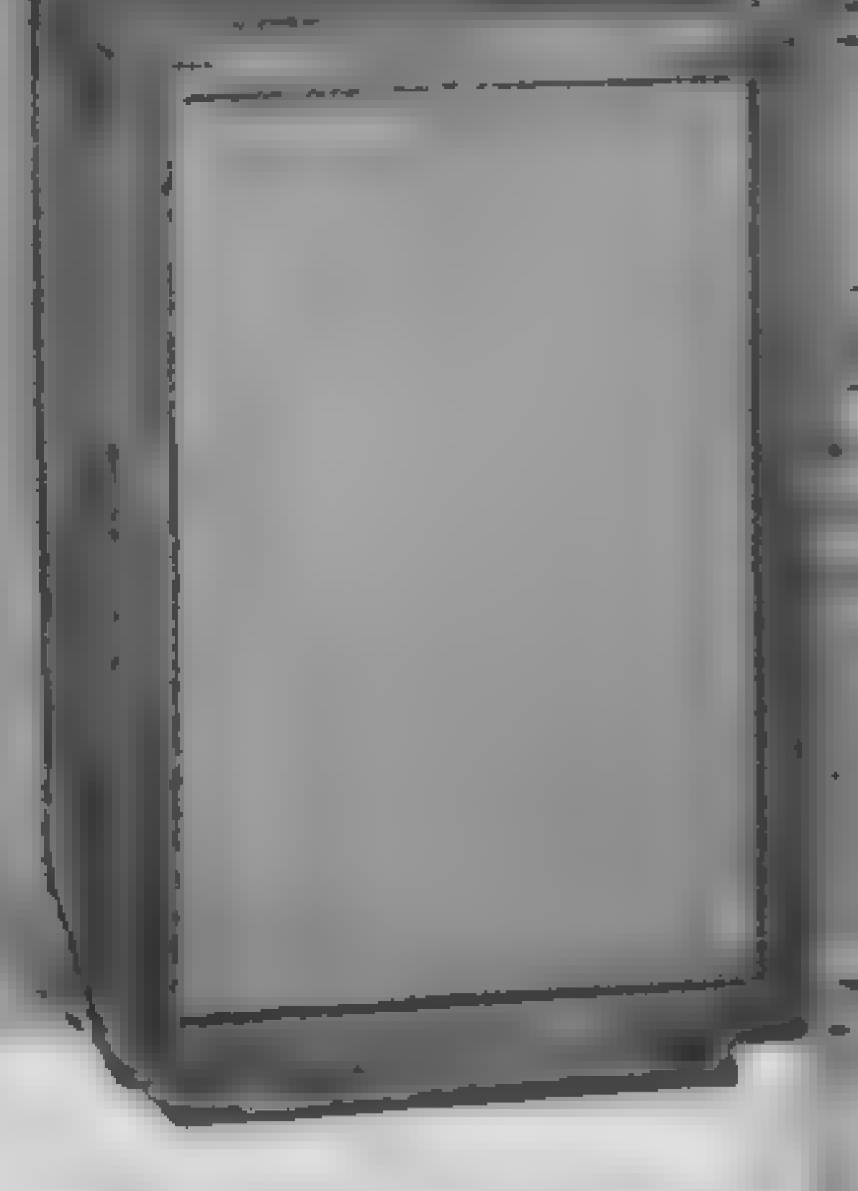




MODEL 1000 STEREO CABINET

D A beautiful piece of furniture that can accommodate all the components of a stereo system. Has speaker enclosures on each end, completely isolated from the center cabinet. Each enclosure can house a 12″ speaker and tweeter. Upper section of the center cabinet is built to accommodate an amplifier and tuner, and has an adjustable shelf; also includes drop-front door. Inside dimensions: 13⅜x18⅜x18″. Lower pull-out drawer section, with blank mounting board, accepts any record changer. Includes blank equipment panel. Constructed of ¾″ solid hardwood; gleaming hand-rubbed veneers. 32¾x54½x18½″ (with legs). **In mahogany, blonde or oiled walnut.** 176 lbs.
70 DZ 461C. *Specify Finish....* **175.00**

MODEL 110-C CHAIRSIDE CABINET

E The height of convenience—chairside control of your hi-fi system! A masterpiece of functional design, the 110-C lets you play records and adjust controls on your tuner and amplifier from the comfort of your chair. Sliding drawer exposes changer compartment with blank mounting board for the changer of your choice. Size, 3¼″ below and 6½″ above board; 16½″ wide, 15½″ deep. Top compartment has blank panel for custom mounting and is 6½x17½x14″. Lower compartment has same dimensions. Beautifully finished on four sides in rich, hand-rubbed veneers. With 6″ legs. 20x19x30″ (with legs). **In mahogany, blonde or oiled walnut.** Wt., 47 lbs. *$5 Down.*
70 DZ 655C. *Specify Finish.....* **64.95**

MODEL 108 SPEAKER ENCLOSURE

F Attractive shelf-type enclosure for ho zontal or vertical use. Accommodates speaker and tweeter. Cane grille cloth. 24x12″. **In mahogany, blonde or oiled wa veneer.** Shpg. wt., 25 lbs. *$2 Down.*
70 DU 462C. *Specify Finish.* NET **26.**

MODEL 112 SPEAKER ENCLOSURE

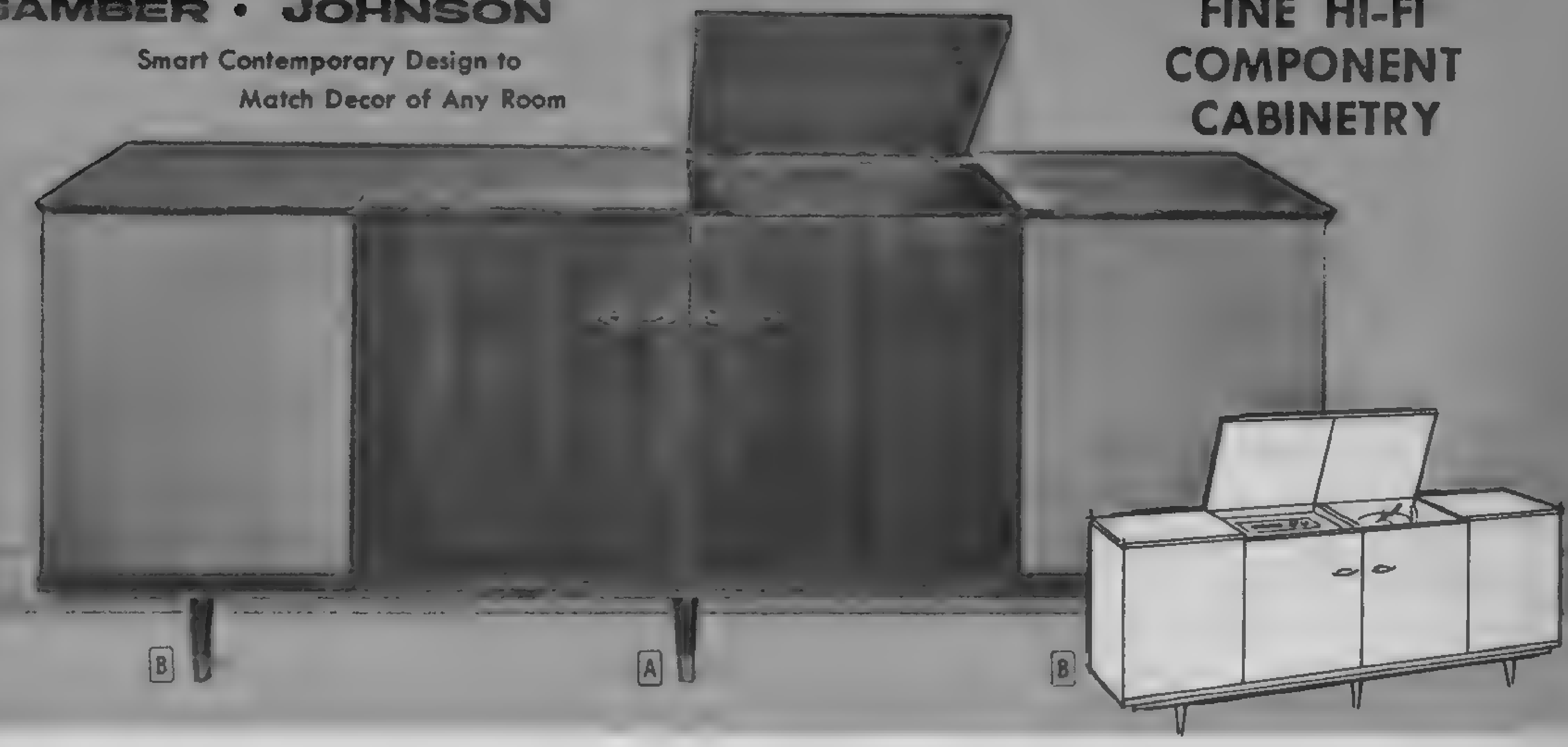
G Handsomely styled, acoustically li enclosure for any 12″ speaker and twe er. Hand-rubbed, veneer finish on four sid plastic cane grille cloth. 24x16x13½″ (les base, included). **In mahogany, blonde or oi walnut.** Wt., 35 lbs. *$2 Down.*
70 DZ 073C. *Specify Finish.* NET **42.**

Be Sure to Specify Choice of Finish When Ordering

GAMBER • JOHNSON

Smart Contemporary Design to
Match Decor of Any Room

FINE HI-FI COMPONENT CABINETRY



MODEL GJ-210 "SUPERBA" EQUIPMENT CABINET

A The long, low look distinguishes this budget-sparing equipment cabinet. It's an excellent choice for the hi-fi enthusiast seeking functional design and striking appearance. Utilizes twin-lift lids with deluxe self-balancing supports for easy access to amplifier-tuner and record player compartments. Upper left section has blank panel for custom mounting tuner and amplifier; measures 17½x13x ¼" below panel. Upper right has adjustable motorboard for custom installation of changer, turntable or tape deck; measures ¼x16½" deep. Smartly styled front panel has gleaming brass ornamental pulls. Perfect for use with speaker enclosures listed at right. Adequate provision for complete ventilation of components. Made of genuine hand-rubbed hardwood veneers. Complete with conical wood legs tipped with brass ferrules. 26½x37x18¾". **In oiled walnut or mahogany.** Shpg. wt., 93 lbs. *$5 Down.*

DZ 661C. *Specify Finish.* NET.......................89.95

MODEL GJ-310 HI-FI EQUIPMENT CABINET

Simplicity of design, plus fine furniture touches, keynote this low-cost equipment cabinet. Constructed of ¾" selected veneers, this space-conserving beauty will accommodate a tuner, amplifier and record changer. Top compartment has blank panel for custom mounting; measures 12x18⅜" with 2" front, " back of panel clearance. Changer section is 11¼x18⅜x ¼"; complete with adjustable motorboard to accept most popular changers or turntables. Additional features of this budget-priced cabinet include: sturdy shelf to support amplifier above tuner; easy-glide changer slides; concealed door hinges; magnetic door catches; trim, conical legs with brass ferrules. Overall size, 32¾x20x18½". **Available in choice of oiled walnut or mahogany.** Shpg. wt., 71 lbs. *$5 Down.*

DZ 078C. *Specify Finish* NET....................59.95

MODEL GJ-360 HI-FI SPEAKER ENCLOSURE

Luxury at low cost—yours in this excellent enclosure designed to accommodate any 15" or 12" speaker. Utilizes full cubic foot capacity and bass-reflex construction for rich, rant response. Features "adjust-a-port" principle for precisely tuning opening to speaker. Made of ¾" high-pressure, particle board core plywood for vibration-free response. Additional features include: tweeter baffle; convenient terminal strip with wire leads; hand grips; and brass-tipped wood legs. Beautifully matches GJ-310 (above) or GJ-340 (below). Size, 32¾x20x ½". **Available in choice of oiled walnut or mahogany hand-rubbed** veneers. Shpg. wt., 58 lbs. *$2 Down.*

DZ 079C. *Specify Finish.* NET...................49.95

MODEL GJ-340 HI-FI EQUIPMENT CABINET

Larger version of the finely crafted Model GJ-310 equipment cabinet listed above. In addition to accommodating a tuner, amplifier and changer, this versatile cabinet also has space for record storage plus a tape deck or turntable. Upper right section measures 12x18¼x17¼"; upper left, 10½x18⅛x17¼"; lower right, 11⅛x18¼x17¼"; lower left, 12⅝x18¼x17¼". Blank panel permits custom mounting of components. Overall size, ¾x37½x18½". **Available in choice of oiled walnut or mahogany.** Shpg. wt., 116 lbs. *$5 Down.*

DZ 080C. *Specify Finish.* NET...................119.95

WOOD BASES. For creating single-unit ensembles of above. With hardware. **In oiled walnut or mahogany.**

Stock No.	For Use With	Shpg. Wt.
DZ 663C	One GJ-210 and two GJ-260	8 lbs.
DZ 081C	One GJ-310 and two GJ-360	7 lbs.
DZ 082C	One GJ-340 and two GJ-360	9 lbs.

Specify Finish NET PER BASE...........................9.95

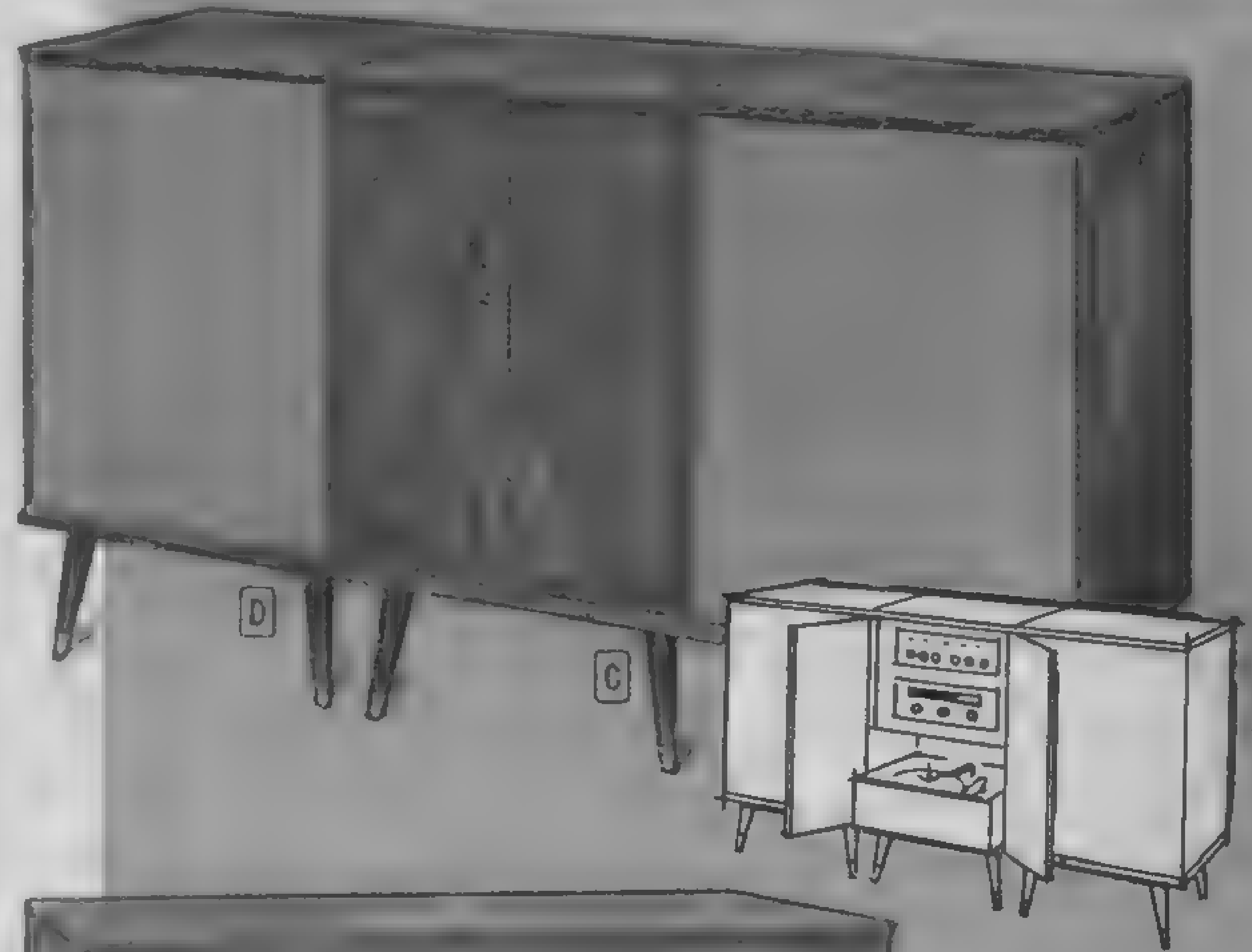
MODEL GJ-260 "SUPERBA" SPEAKER ENCLOSURE

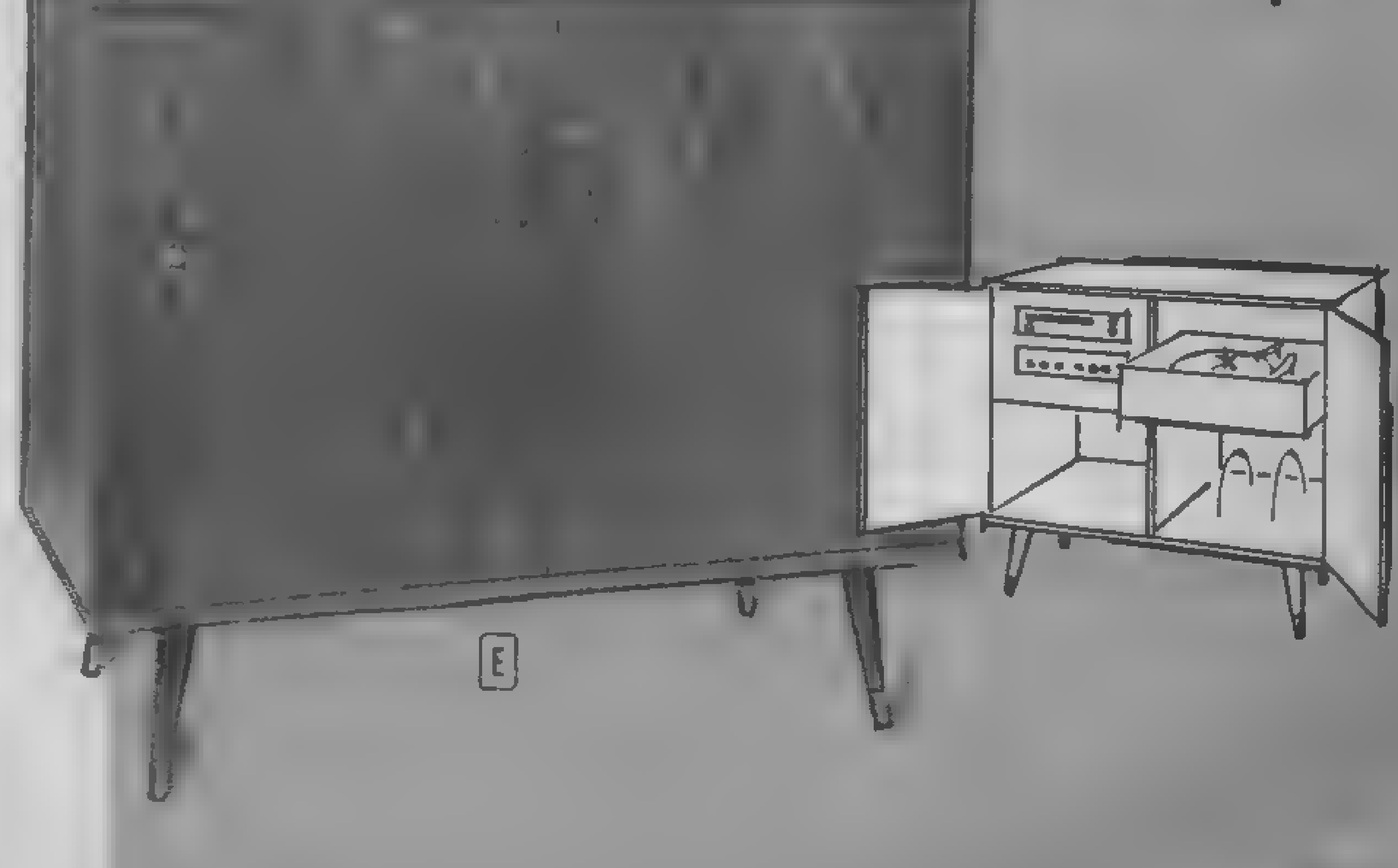
B Smartly styled bass-reflex enclosure designed to complement any contemporary setting. Can be used with any 12" or 8" speaker—with provision for addition of tweeter. Has "adjust-a-port" feature for precisely tuning port opening to speaker. Constructed of ¾" high-pressure, particle board core plywood for added weight and density—absolutely free of vibration. Ideal for use with cabinet described at left. Beautiful Saran grille cloth accents hand-rubbed hardwood veneers. With legs. 26½x17½x18¾". **In oiled walnut or mahogany.** Shpg. wt., 49 lbs. *$2 Down.*

70 DZ 662C. *Specify Finish.* NET.......................49.95

COMPLETE "SUPERBA" ENSEMBLE. Matched set consisting of one GJ-210 cabinet and two GJ-260 enclosures. Less base, below. **In oiled walnut or mahogany.** Wt., 191 lbs. *$5 Down.*

70 DZ 664C-3. *Specify Finish.* NET...................189.85





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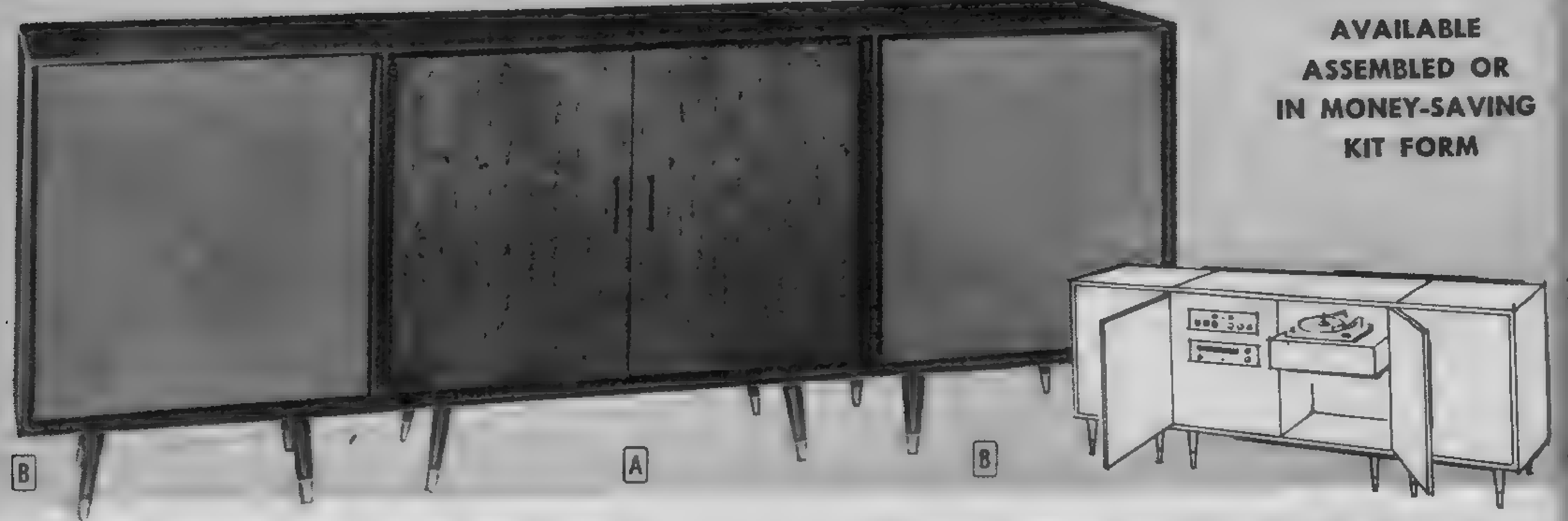
ARTIZANS CONTEMPORARY CABINETRY STYLED IN TIMELESS SIMPLICITY



AVAILABLE
ASSEMBLED OR
IN MONEY-SAVING
KIT FORM

A MODEL 505-A HI-FI EQUIPMENT CABINET

A striking hi-fi equipment cabinet featuring top-quality construction and fresh, contemporary styling. Superbly designed to accommodate all components of a music system except the speaker. Has rich, oiled walnut finish to complement any decor.

Some of its many features include: easy-action, slide-out changer base; sturdy blank equipment panel for custom installation; neutral ebony interior and harmonizing ebony conical legs with handsome brass ferrules; attractive front edging offset in ebony; and piano-type hinges on each of two doors for maximum convenience.

Left side (equipment space behind ¼" panel), 22⅛x16⅝x14". Right side (changer compartment), 9⅝ (5⅝" above board)x16x14". Also has 12½x17x15" record storage compartment. Overall, 30¼x35¾x17¾". Shpg. wt., 82 lbs. *$5 Down.*
70 DZ 003. Oiled Walnut Finish. NET....................115.00

EQUIPMENT CABINET IN KIT FORM. Similar to Model 505-A equipment cabinet above, but in money-saving, easy-to-assemble kit form. Features concealed steel-reinforced joints. Shpg. wt., 74 lbs.

Model 505-1. Birch unfinished kit.
70 DZ 074. *Only $5 Down.* NET....................68.00

Model 505-2. Walnut unfinished kit.
70 DZ 075. *Only $5 Down.* NET....................83.00

B MODEL 501-A HI-FI SPEAKER ENCLOSURE

Enjoy superb high-fidelity reproduction with this along-the-wall bass-reflex enclosure. Accommodates any 12" or 15" speaker—includes a convenient cutout for mounting of a tweeter. Tastefully finished in beautiful oiled walnut to blend harmoniously with any contemporary motif. Its many features include: top-quality, fine-furniture craftsmanship; fully lined acoustic insulation; and selected panels for vibration-free performance. Decorative grille cloth attractive edging, offset in rich ebony. Includes four conical ebony legs. Size, 30½x23¾x17¾". Shpg. wt., 55 lbs.
70 DZ 004. *Only $5 Down.* NET....................78.0

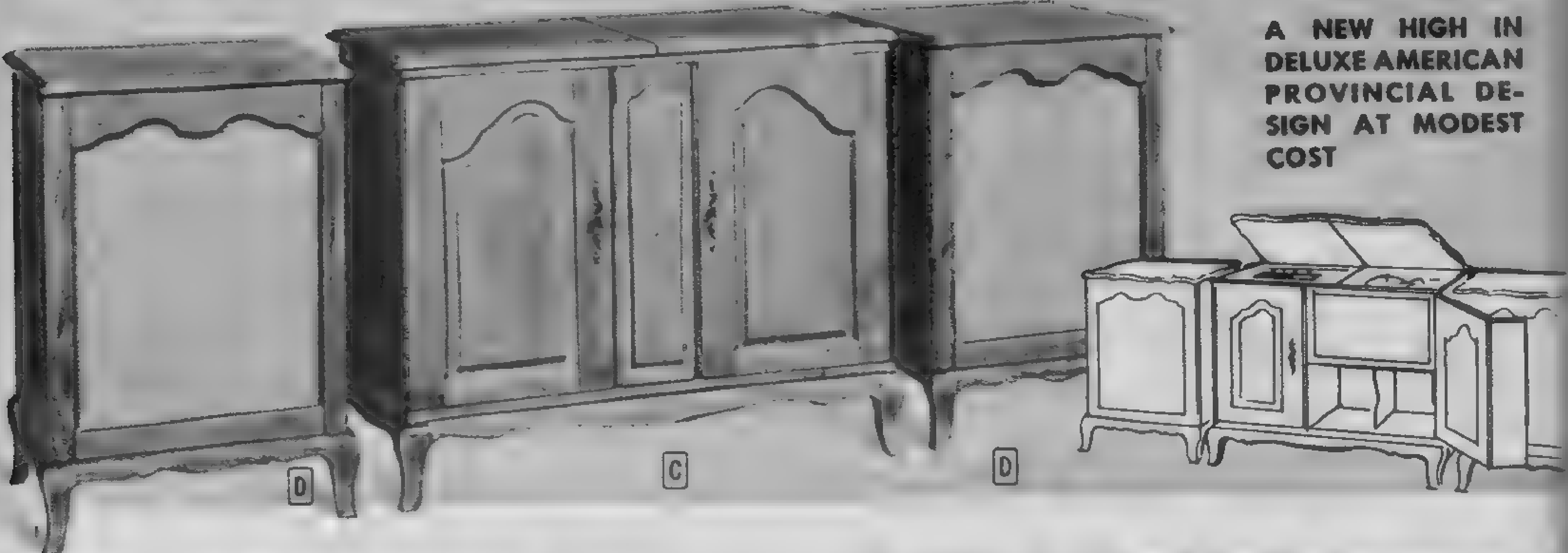
SPEAKER ENCLOSURE IN KIT FORM. Similar to above, but in easy-to-finish kit form. Shpg. wt., 48 lbs.

Model 505-1. Birch unfinished kit.
70 DZ 076. *Only $2 Down.* NET....................45.0

Model 501-2. Walnut unfinished kit.
70 DZ 077. *Only $5 Down.* NET....................60.0

COMPLETE 3-PIECE ENSEMBLE. A beautifully matched set—fully assembled—consisting of one 505-A cabinet and two 501-A enclosures In oiled walnut finish. Shpg. wt., 192 lbs.
70 DZ 041-3. *Only $10 Down.* NET....................271.0

ACOUSTI-CRAFT "HERITAGE SYMPHONY" STEREO HI-FI CABINETR



A NEW HIGH IN
DELUXE AMERICAN
PROVINCIAL DESIGN AT MODEST
COST

C MODEL 1900-EPS HI-FI EQUIPMENT CABINET

Here's a master-crafted equipment cabinet that meets the highest standards of demanding hi-fi cabinet users. Has ample space to house all components of a music system except the speaker. Combines luxurious "heirloom-quality" American Provincial styling with functional lift-top design for easy accessibility of equipment. Its elegant console appearance is enhanced by a rich, hand-rubbed cherry finish which graces any decorative scheme.

Among its many features are: sturdy ¾" hardwood birch construction; spring-loaded lid supports with full piano-type hinges; solid inlay construction on all extended tops and edges; finished blank panels for customized installation of components; and distinctive "raised panel" design on doors and front paneling beautifully accents the overall appearance of this attractive cabinet.
Equipment compartment for vertical custom mounting of tuner and amplifier is 16¾" wide by 17" deep: blank changer panel is 19¼" wide by 17" deep. In addition, there is a 19¼x12⅝" compartment for convenient storage of records. Overall size (HWD), 30¾x40¼x20¼". Shpg. wt., 125 lbs.
70 DZ 067. *Only $10 Down.* NET....................218.00

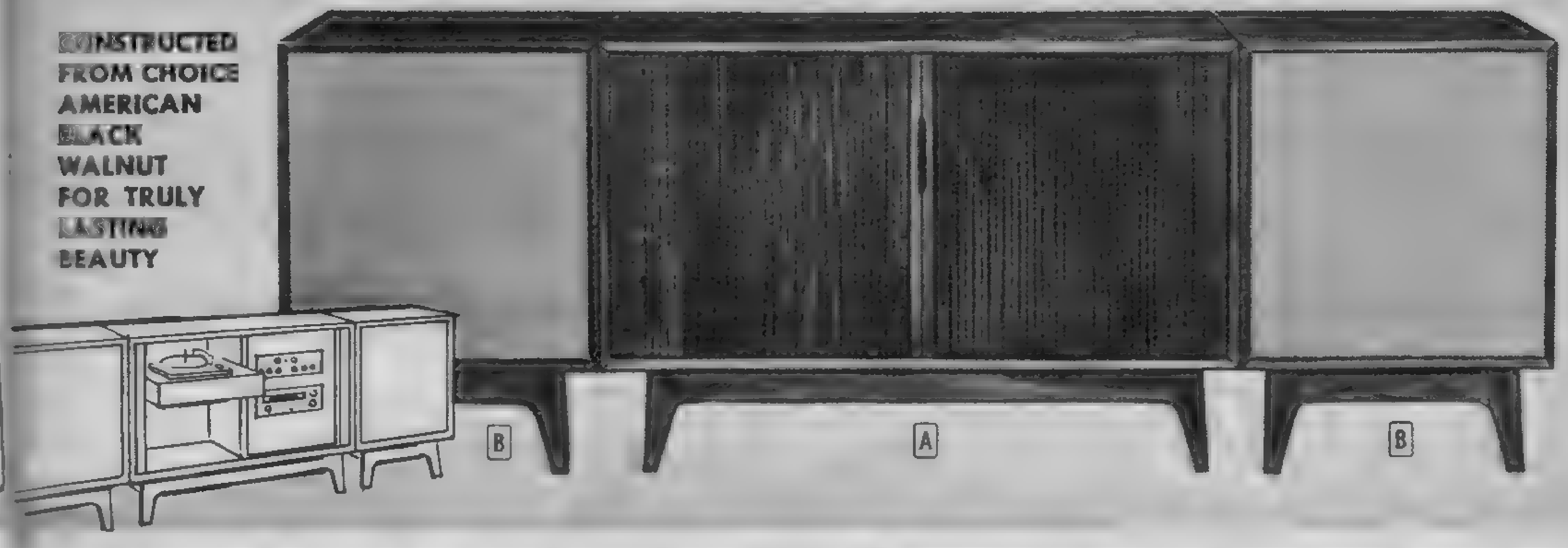
D MODEL 1915-PS HI-FI SPEAKER ENCLOSURE

An excellent example of luxurious American Provincial styling i bass-reflex high-fidelity speaker enclosure. Has beautiful hand-rub cherry finish. Provides complete versatility—you can install a 12" or 15" extended-range speaker by itself; then later, add ot components to form a 2 or 3-way system. Styled by fine furnit craftsmen, this handsome unit features a full 4½-cubic-foot cap ity for highly impressive performance. Additional features: locki spline miter joints on all corners, as well as ample bracing, plus 1 fiberglass acoustic padding assure vibration-free reproduction; posed edges carefully banded for quality finishing; adapter boa for convenient installation of components. Constructed of ¾" bi hardwood. Size, 30¾x23x20¼". Shpg. wt., 40 lbs. *$5 Down.*
70 DZ 068. Cherry Finish. NET....................90.

Acousti-Craft equipment cabinets and speaker enclosures are also available in Italian Provincial, Early American, Scandinavian, and other popular styles in a variety of finishes. Write to Allied's Technical Service Department for a complete brochure.

BARZILAY CABINETRY WITH POPULAR CONTEMPORARY STYLING

CONSTRUCTED FROM CHOICE AMERICAN BLACK WALNUT FOR TRULY LASTING BEAUTY



A MODEL 1961B-2 HI-FI EQUIPMENT CABINET

An outstanding example of cabinet versatility—manufactured in California by skilled furniture craftsmen. Has elegant oiled walnut finish and walnut interiors. Features include: smooth-gliding tambour doors, constructed of interlocking pieces of solid walnut; two shelves plus blank equipment panel for custom installation; a 20¼″ wide by 15″ deep changer compartment complete with aluminum pull-out drawer slides; and 20¼x12¾″ record storage space. 32x x18″ (includes 8″ sculptured base). 115 lbs. *$5 Down.*

70 DZ 070-2. Oiled Walnut Finish. NET................199.95

B MODEL 1962B HI-FI SPEAKER ENCLOSURE

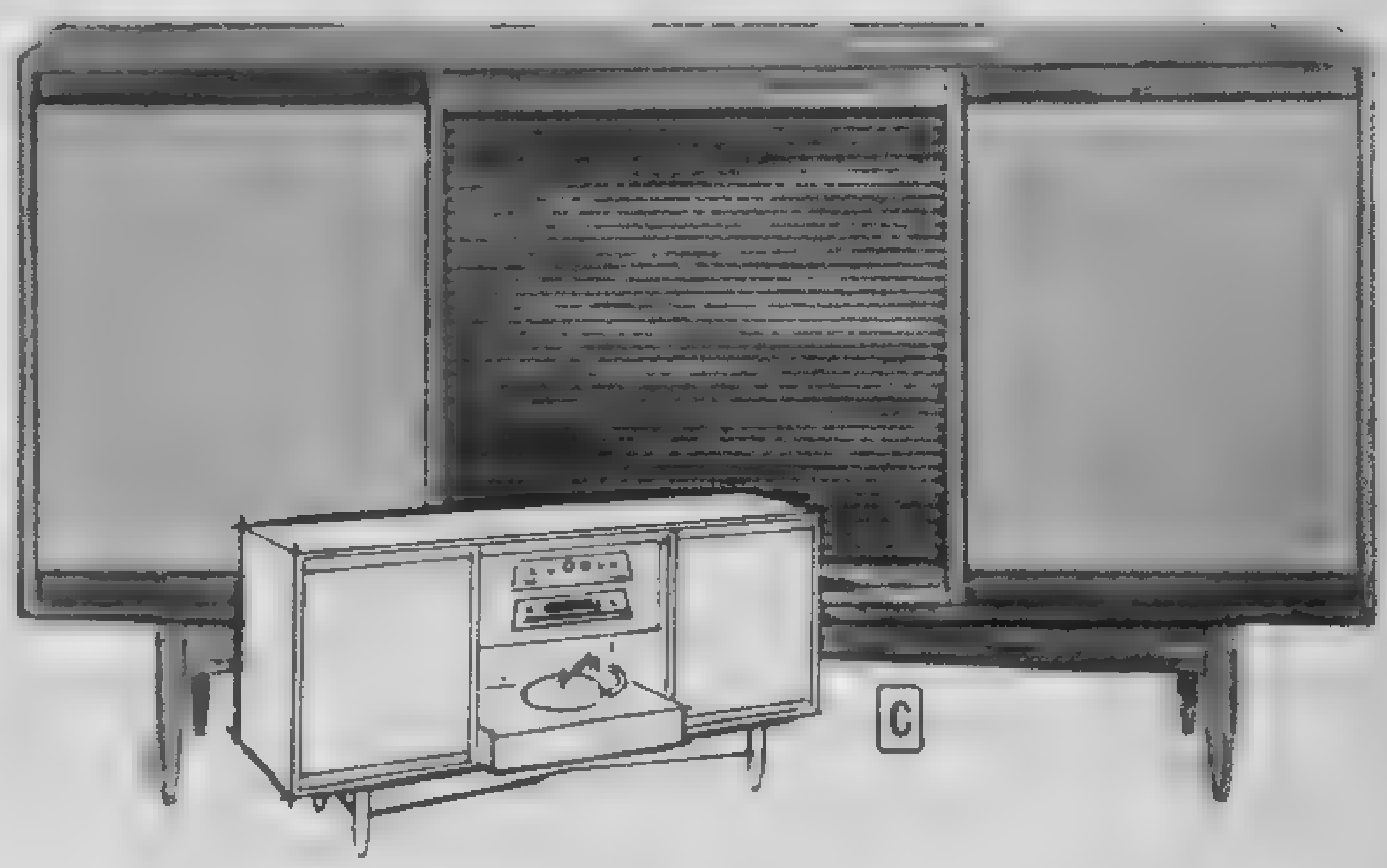
Designed to accommodate any 12″ or 15″ speaker, this attractive enclosure is ideally suited for the finest of music systems. Richly finished in oiled walnut with neat, beautifully contrasting grille cloth. Employs phase-inversion principle for thrilling sound reproduction. Utilizes 6 cubic foot capacity. Rigidly constructed of selected American walnut woods and internally braced for vibration-free performance. Supplied complete with 8″ sculptured base. Size (HWD), x24x18″ (includes 8″ legs). Shpg. wt., 66 lbs. *$5 Down.*

70 DZ 069. Oiled Walnut Finish. NET..................99.95

COMPLETE ENSEMBLE. A matched set consisting of one 1961B-2 equipment cabinet and two 1962B speaker enclosures (described above)—in beautiful oiled walnut. Shpg. wt., 247 lbs. *$10 Down.*

70 DZ 612-4. Oiled Walnut Finish. NET..............399.85

Write to Allied's Audio Division for Other Barzilay Styles and Finishes

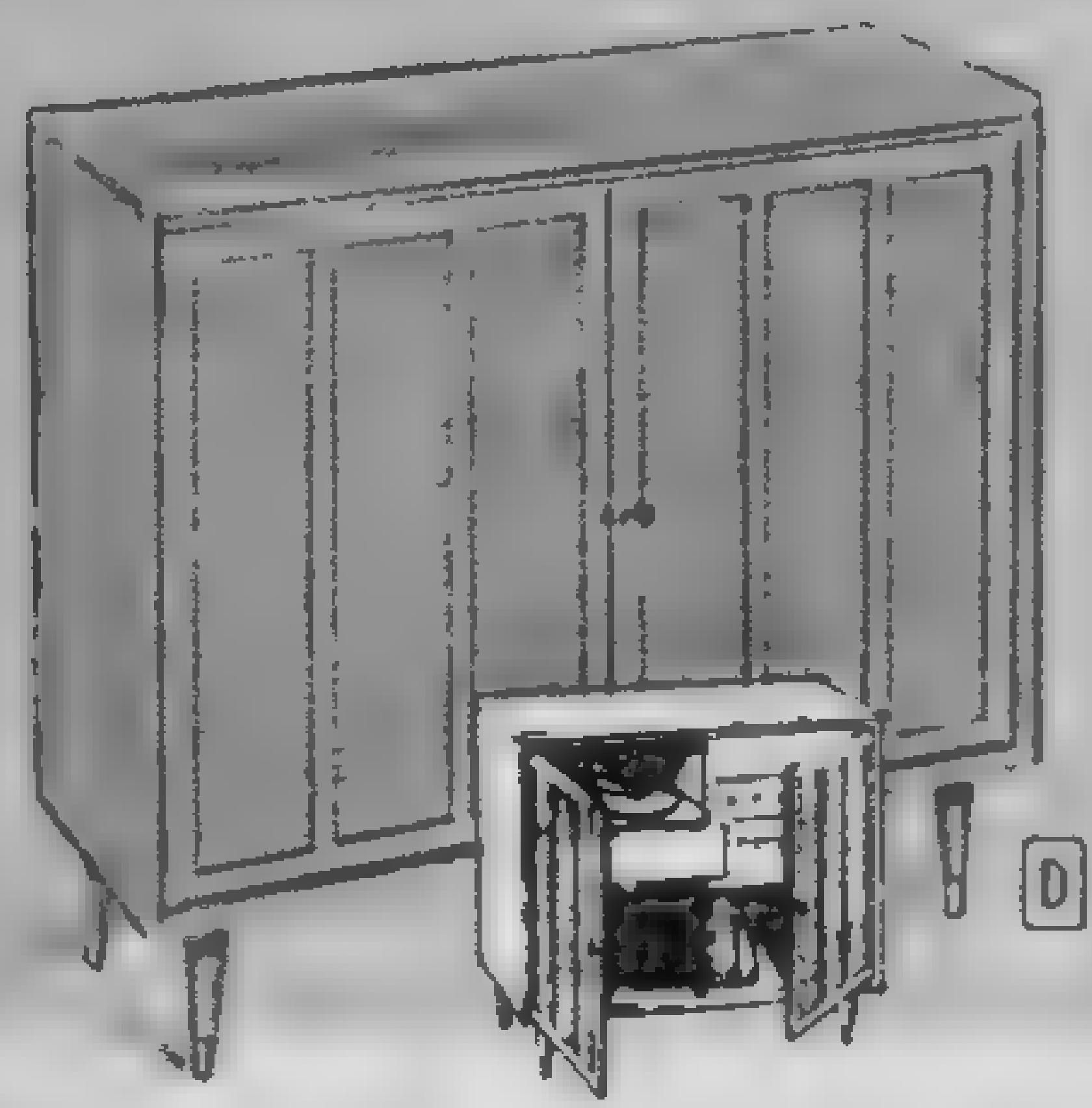


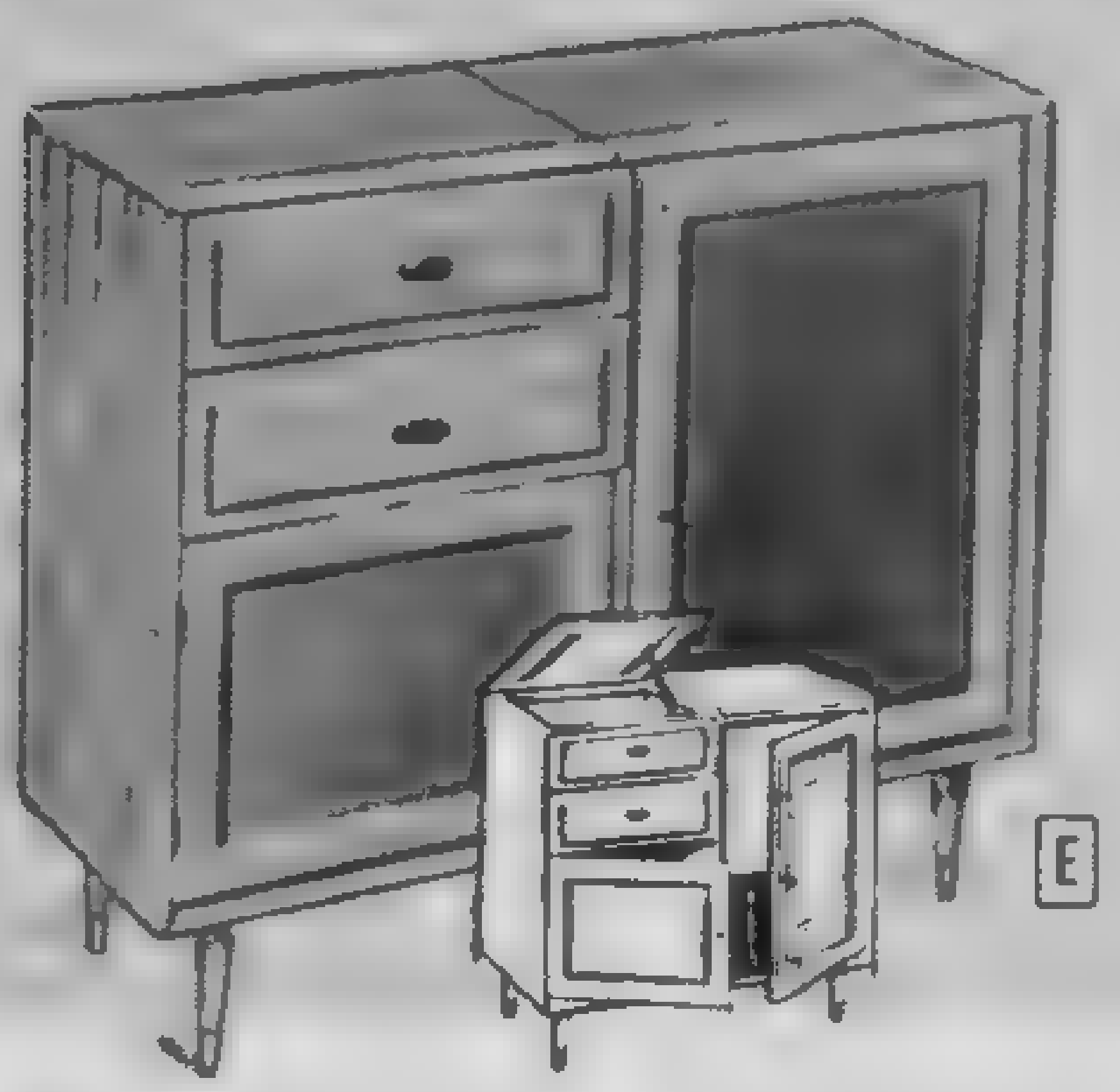
C MODEL H-100 "ALL-IN-ONE" STEREO CABINET

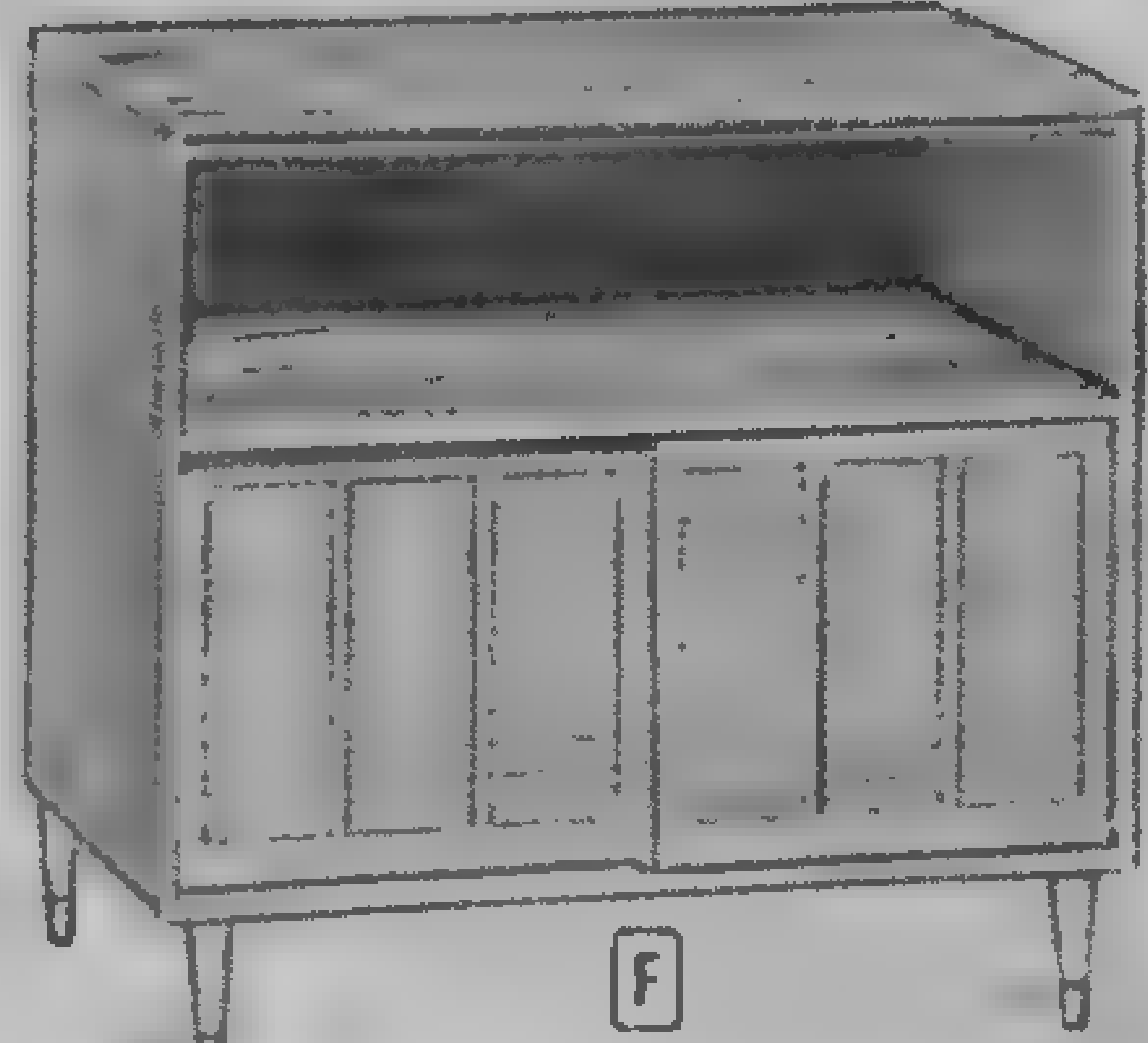
Expert craftsmanship—yours in this California-inspired, oiled walnut furniture masterpiece. A unique roll-up door exposes slide-out phono drawer that takes any changer or turntable; plus, removable front panel, 22″ wide and 10″ high (15″ behind panel) and tuner-amplifier shelf. Speaker enclosures pre-cut for 12″ speakers. 32x60x18″ (includes 8″ legs). Wt., 135 lbs.

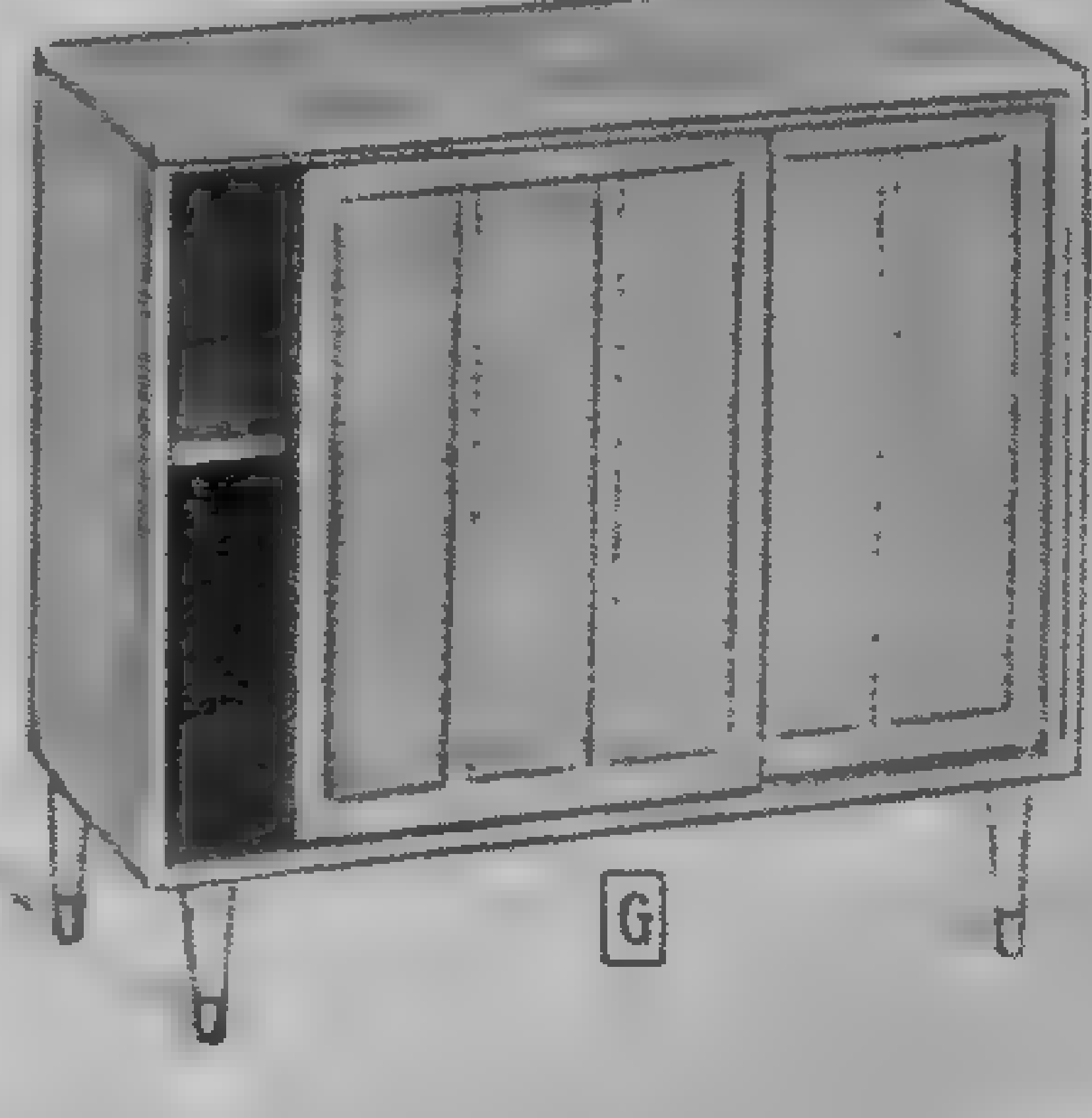
70 DZ 023. Oiled Walnut Finish. NET..................179.50

SAVE ON FINE UNFINISHED HI-FI EQUIPMENT CABINETS BY ARISTO-BILT









MODEL 6003/413. Two swing-out doors expose 4 compartments in this top-[illegible] cabinet. Upper left, with phono drawer, x16½x15¼″; upper right, with panel 14½x16½x15¼″; lower left, 12½x x15¼″; lower right, 8½x16½x15¼″. [illegible] sanded, Ponderosa pine. 30x35x With 5¼″ legs. 48 lbs.

70 DZ 296. *$2 Down.* NET.......37.45

MODEL 6002/413. Gracefully styled cabinet offering a surprising amount of space. Top phono compartment, 9½x16½x ″. Two hinged doors, with attractive, [illegible]-plastic fabric, conceal other compartments. Upper right, with removable panel 14½x16½x15¼″; lower left, 12x x15¼″; lower right, 8½x16½x15¼″. 30x35x16″. Made of smooth-sanded Ponderosa pine—ready for finishing. 5¼″ legs. Wt., 48 lbs.

70 DZ 297. *$2 Down.* NET.......35.60

F MODEL 4712. An attractive, low-cost showcase for your hi-fi components or for record storage. Sliding louvered doors cover lower portion of cabinet. Two compartments: upper, 9¼x33⅝x14⅜″; lower, 12½x33⅝x14⅜″. 24¾x35x16″. Top-quality Ponderosa pine, ready for finishing. Less legs, below. Shpg. wt., 47 lbs.

70 DZ 273. *$2 Down.* NET........19.90

G MODEL 4471. Beautiful, solidly built equipment cabinet featuring louvered doors. Attractively sets off your hi-fi components, as well as providing large area for book and record storage. Constructed of solid, durable Ponderosa pine, sanded, ready for finishing. Two compartments: top, 9¼x33⅝x14⅜″; bottom, 12½x33⅝x14⅜″. Styling easily blends with any interior motif. Sliding doors. Overall, 24¾x35x16″. Less legs, below. Shpg. wt., 48 lbs.

70 DZ 272. *$2 Down.* NET........24.15

413 LEG SET. Four tapered wood legs, 5¼″ long. Brass ferrules. Shpg. wt., 3 lbs.

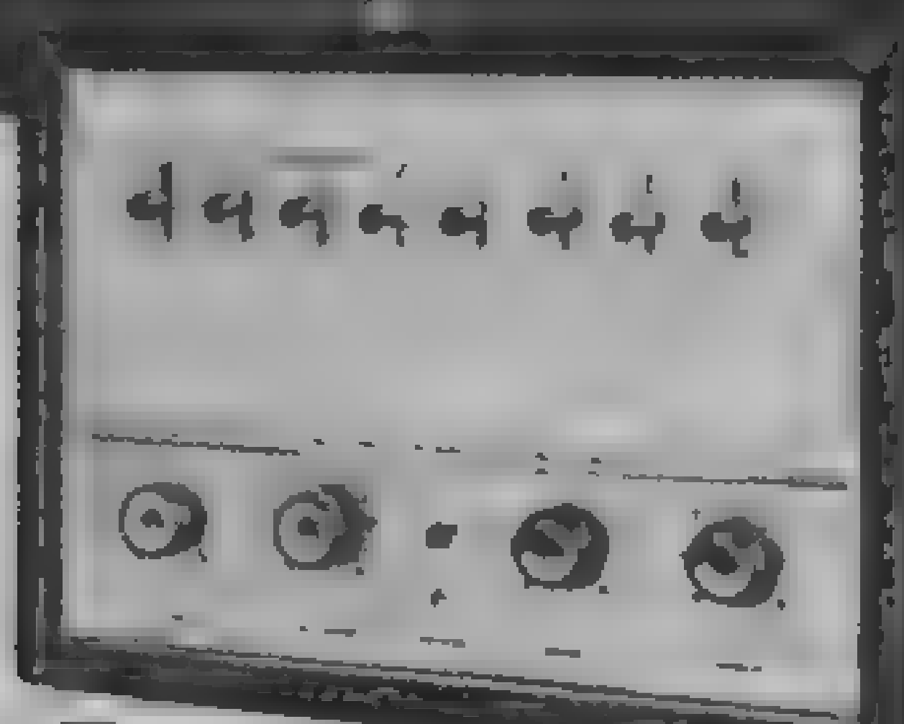
X 295. NET..3.27

NuTone

Built-In Music System / Intercom Components

- Space-Saving, Off-The-Floor Hi-Fi/Intercom Units—Fine Custom Styling
- Give You Stereo Sound from Records; FM-AM Radio Broadcasts; Room-to-Room Intercom Facilities

Designed to fit standard wall studding, NuTone music/intercom components give you selective listening in each room of the house or on the patio . . . plus door-answering and inter-room communication facilities. These deluxe units combine outstanding performance with custom appearance.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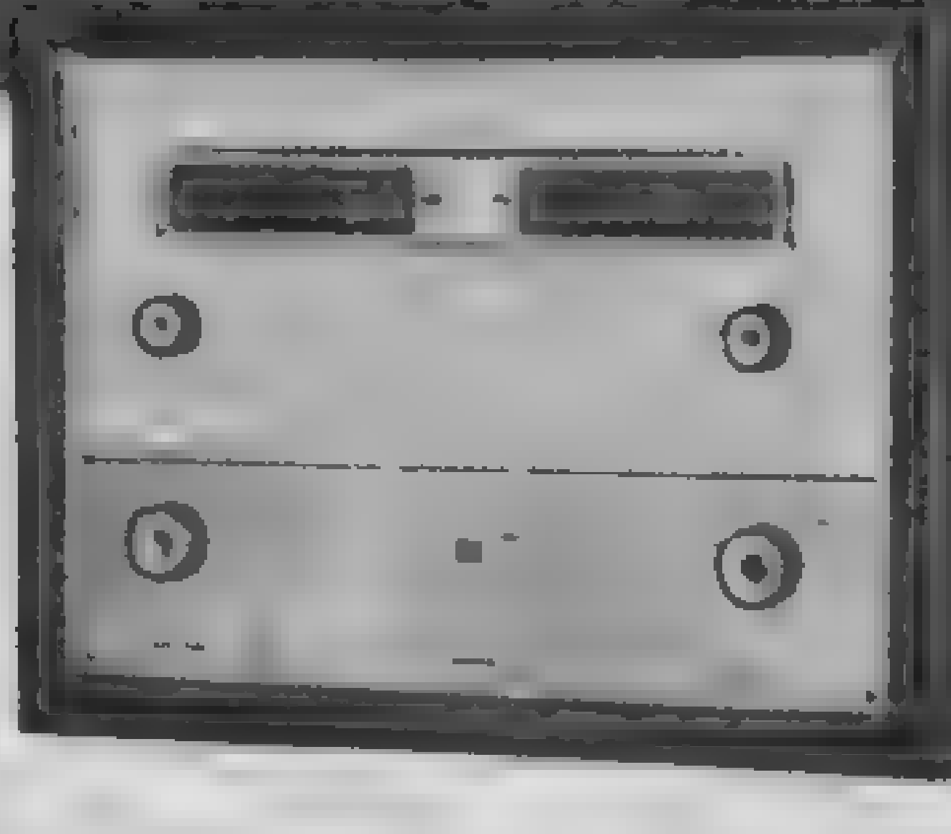
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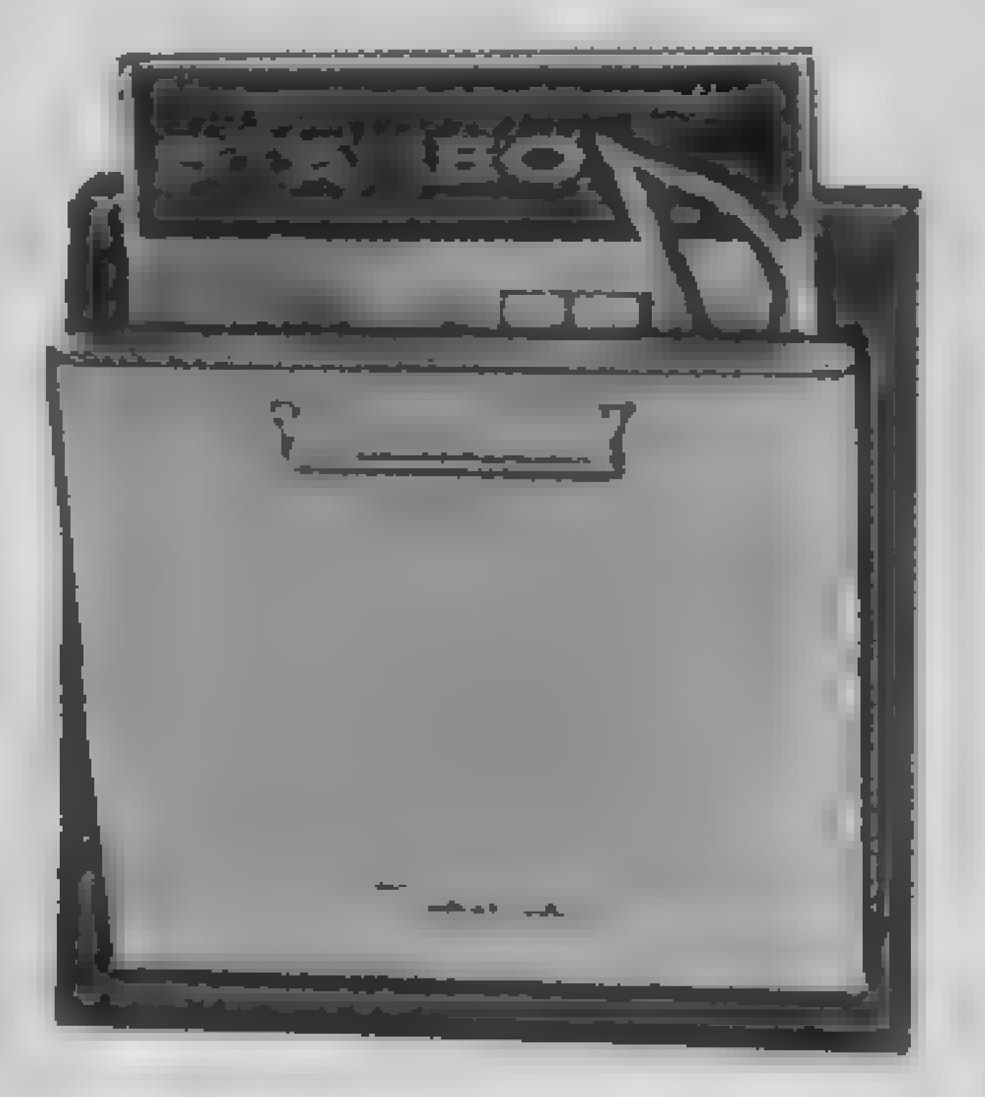
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A **MODEL 2401-B STEREO/INTERCOM AMPLIFIER.** Provides 30 watts of stereo or monophonic power; contains intercom switching mechanism. Intercom switch panel has 8 speaker switches, for selecting Listen, Off or Radio at 8 different speaker locations. Features color-coded wiring. *Amplifier Controls:* Loudness; Balance; Off-On; Bass; Treble. Four 6AQ5 output tubes; EZ81 rectifier. Size, 11" high, 15¾" wide; frame depth, 4". Hand-rubbed walnut frame; gold anodized panel. Has tilt-out feature for servicing amplifier without disturbing remote speaker/intercom wiring. (Use with rough-in box No. 2401-A listed below.) For 110-130 v., 60 cycle AC. Shpg. wt., 22 lbs.
89 SU 409. *Only $5 Down.* NET........................**159.50**

B **MODEL 2402-B STEREO FM-AM TUNER.** Two separate tuners on a single chassis. Special switching mechanism permits feeding FM to one room, AM to another room, or stereo FM-AM broadcasts to any room. Has provision for adapting to FM multiplex reception. Labeled controls and connectors insure correct wiring even with cover removed. *FM Sensitivity:* 3 µv for 20 db of quieting. No drift or fading. *Selector (one for each channel):* Off; AM; FM; Phono; Tape; Aux. Separate FM and AM Tuning; Tuner Off-On Switch. 9 tubes; EZ80 rectifier. Same size and styling as 2401-B above, but requires rough-in box No. 2402-A listed below. For 110-130 v., 60 cycle AC. Shpg. wt., 20 lbs.
89 SU 411. *Only $5 Down.* NET........................**139.50**

C **MODEL 2403-B "FOLD-IN-WALL" RECORD CHANGER.** Plays all 4 speeds: 16⅔, 33⅓, 45 and 78 rpm; intermixes 10" and 12" records of the same speed; automatic shut-off after last record i played shuts off entire system, or all but Intercom facilities. Cerami cartridge with .0007" diamond, and .003" sapphire styli. Folds ou from wall-mounted cabinet for use—folds back into cabinet fo space-saving convenience. Steel door panel is spring-loaded—canno fall or slam shut. Snap-catch holds pickup arm securely in plac when cabinet is closed. Size, 15¾x15¾"; 4" deep. (Use with rough-i box No. 2403-A listed below.) For operation from 110-130 v., 6 cycle AC. Shpg. wt., 26 lbs.
89 SU 413. *Only $5 Down.* NET........................**76.2**

D **MODEL 2404-B "FOLD-IN-WALL" RECORD STORAGE CABINET.** Set a new high in record storing convenience. Safely stores up t forty 12" records in jackets, in upright position, safe from accidenta damage. Records cannot fall out when door is opened—safety-ba holds records securely in place. Has indexing feature for ready refer ence. Color-styled to match record changer cabinet. Wired to ac commodate a stereo tape deck. Hand-rubbed walnut wood frame with brass trim and smart, modern pull handle. Steel front, covere in washable, beige vinyl. Size, 15¾x15¾"; depth of frame, 4". (U with rough-in box No. 2404-A, below.) Shpg. wt., 18 lbs.
89 SU 415. *Only $2 Down.* NET........................**31.5**

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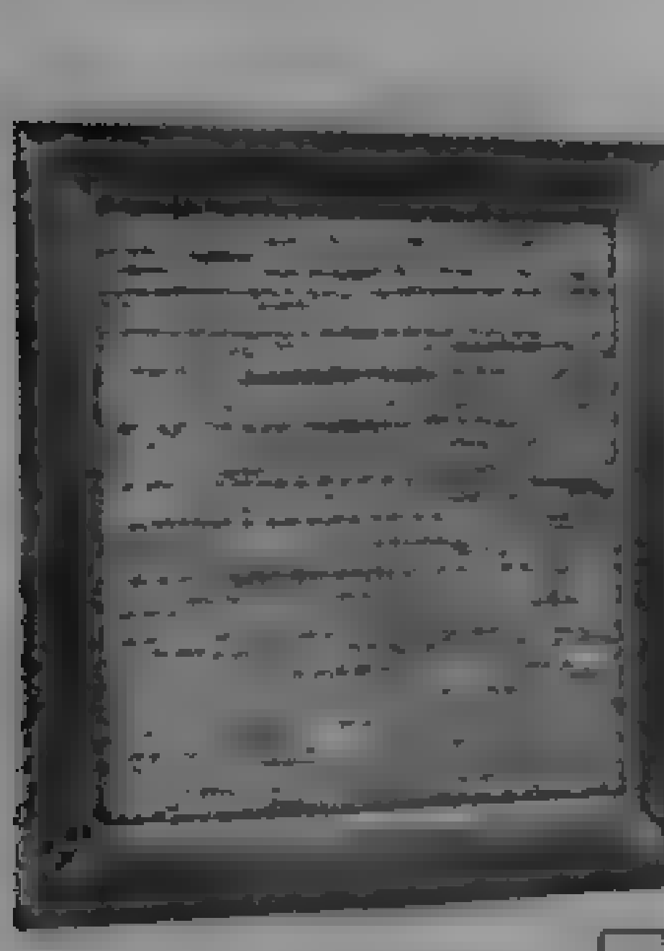
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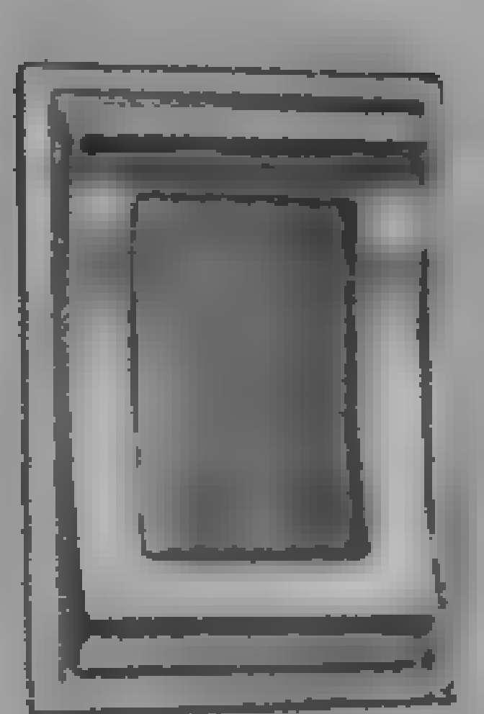
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SPEAKERS AND ACCESSORIES

All speakers listed below (except door speaker), are 8" coaxial type, with built-in mechanica crossover networks. Speakers with controls have separate volume control, plus switches fo inside-outside, listen or talk functions. Door speaker has moisture-sealed housing.

Stock No.	Model No.	Fig.	Description	Size	Wt., Lbs.	NET EACH
89 SU 417	2411-B	E	Inside Speaker, with controls	12⅞x12⅞"	6	27.50
89 SU 419	2412-B	F	Inside Speaker, less controls	12⅞x12⅞"	6	14.50
89 S 422	2414-B	G	Patio Speaker, less controls	12 9/16x12 9/16"	5¼	10.25
89 S 420	2413-B	H	Door Speaker with plastic cone	4⅝x6⅛"	1½	8.40
89 S 424	2415-B	J	Patio Remote Control Panel	13 5/16x5 11/16"	3¼	15.35
89 S 425	2416-B	K	Inside Remote Control Panel	12⅞x4⅞"	2½	19.95

ROUGH-IN BOXES

Install in standard 16" wall studding, 4" dry or plaster walls. No furring, no cutting, n blocking necessary. Simple, in-and-out adjustment to compensate for varying plaster thick ness. Rough-in boxes for speakers have open backs for infinite baffle, hi-fi sound reproduc tion. Include easy-to-follow instructions and all mounting hardware.

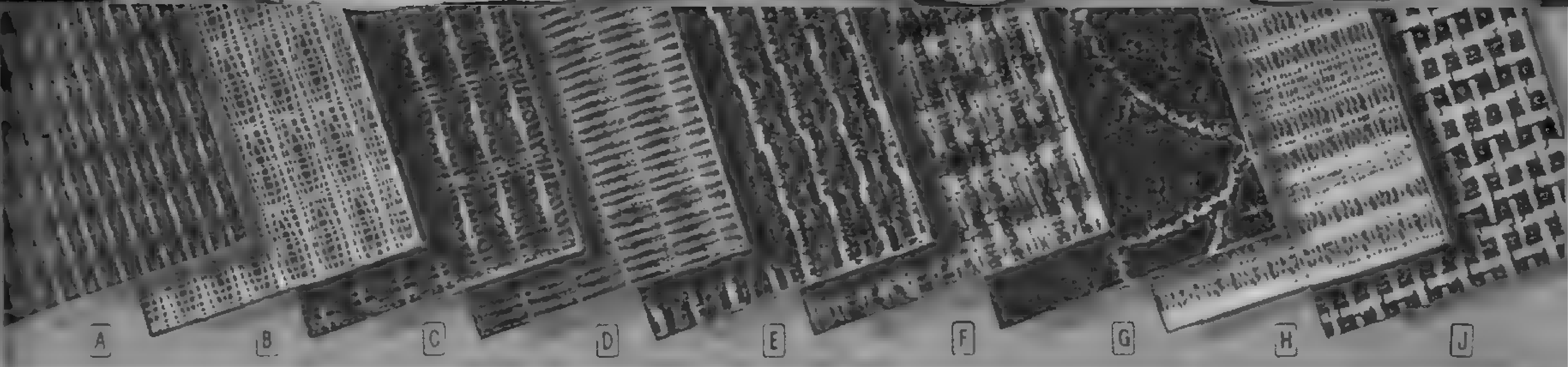
Stock No.	Type No.	For Mounting:	Size	Lbs.	EACH
89 SX 410	2401-A	2401-B Amplifier/Intercom	16½x9⅞"	7¼	7.70
89 SX 412	2402-A	2402-B FM-AM Tuner	16½x9⅞"	7	7.70
89 SX 414	2403-A	2403-B Record Changer	16½x14¼"	9	11.75
89 SX 416	2404-A	2404-B Record Storage Cabinet	16½x14¼"	8	8.8
89 SX 418	2411-A	2411-B and 2412-B Speakers	20x12½"	2	1.6
89 S 421	2413-A	2413-B Door Speaker	4⅜x5⅞"	3	1.10
89 S 423	2414-A	2414-B Patio Speaker	13¾x13¾"	3	2.40
89 S 426	2415-A	2415-B and 2416-B Remote Control Panels	12 1/16x4½"	2¼	1.8

WIRE REQUIREMENTS

Use Type 2421 8-conductor wire for connecting 2411-B Speaker with controls, 2415-B an 2416-B Remote Control units to amplifier. Use Type 2422 2-conductor wire for connectin 2412-B Inside Speaker and 2414-B Patio Speaker to Control units or Amplifier.

Stock No.	Type	Description	Use to Connect:	Lbs.	EAC
89 S 427	2421	50′ Spool, 8-Cond.	2411-B, 2415-B, 2416-B to Amplifier	2	4.4
89 S 428	2424	250′ Spool, 8-Cond.	Same as above	9	12.8
89 S 429	2422	60′ Spool, 2-Cond.	2412-B, 2414-B to Control Units or Amplifier	1	1.3

Allied's Audio Experts Can Help You Plan Your Home Music/Intercom Installation



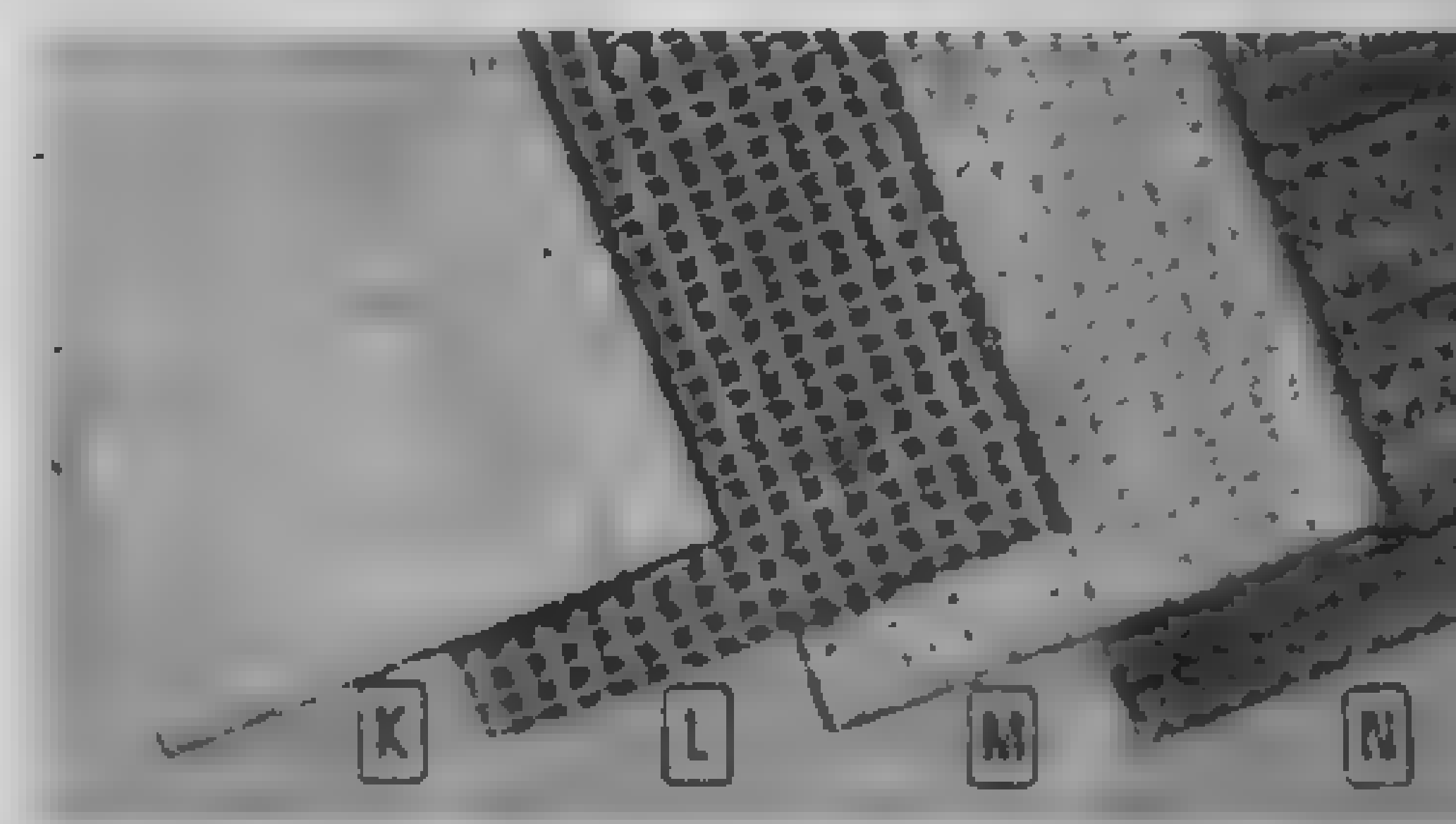
"ACOUSTONE" SPEAKER ENCLOSURE GRILLE CLOTHS

A wide selection of popular Acoustone speaker enclosure grille cloth in highly attractive, color-fast patterns. Match virtually all types of decorative motifs from traditional to the latest in contemporary modes. Made of highly durable Saran plastic in an open weave to permit unrestricted passage of all sound frequencies. Special construction plus professional weaving techniques—allow these fine cloths to be stretched over large openings without danger of sagging or shrinkage. Shpg. wt. per yard, 6 oz.

Description	Pattern No.	Fig.	Stock No.		NET PER YD.
			In Lengths Over 1 Yd.	36"x36"	
Mahogany with Ivory Threads	211	A	86 SX 994	89 SX 009	2.39
Suede with Brown Threads	511	B	86 SX 996	89 SX 011	2.39
Suede with Metallic Gold Threads	515M	B	86 SX 998	89 SX 017	3.29
Sand White	611	B	88 SX 231	89 SX 081	2.39
Tan with Bronze Threads	811	B	89 SX 053	89 SX 071	2.39
Gold and Bronze	213	C	86 SX 997	89 SX 012	2.39
Beige with Metallic Gold Threads	711M	D	89 SX 052	89 SX 070	3.29
Woven Beige and Tan Cane	3881	E	86 SX 082	86 SX 086	3.95
Dark Brown with Gold Threading	2016	F	86 SX 085	86 SX 089	3.95
Beige and Brown; Gold Threading	2025	F	86 SX 084	86 SX 088	3.95
Dark Mahogany with Gold Cobweb	300	G	89 SX 003	89 SX 016	3.95
Black with Gold Cobweb	453	G	89 SX 001	89 SX 014	3.95
Beige and White with Gold Threads	814BM	H	89 SX 056	89 SX 074	3.95
Woven Cane; Walnut-Tan-Gold Thread	1803	J	86 SX 947	89 SX 077	3.95
[illegible]-Weave Brown; Silver Thread	253	J	86 SX 083	86 SX 087	3.95

GRILLE CLOTH SAMPLES ARE AVAILABLE
UPON REQUEST—SPECIFY PATTERN DESIRED

"SOLAR" GRILLE CLOTHS



K "PANDANUS." Highly attractive, imported straw fabric. In 27" width only (min. order, 1 yard). Per yd., 6 oz.

86 SX 974. NET PER YARD..........**1.60**
86 SX 975. To 10½ yds., PER YARD..**1.60**

L "CANE." Natural cane, woven on rich brown plastic fabric. In 36" width only (min. order, 1 yard). Wt. per yd., 6 oz.

89 SX 030. NET PER YARD.........**2.90**
89 SX 029. Over 1 yd., PER YARD...**2.90**

M "CANE." Natural cane, in ripple weave, fastened to natural straw backing. In 36" width only. (Min. order, 1 yd.) Yd., 6 oz.

89 SX 031. NET PER YARD.........**4.25**
88 SX 232. Over 1 yd., PER YARD...**4.25**

N "LUREX." Brown and tan shades, with gold and bronze "Lurex" thread. In 36" width only (min. order, 1 yd.). Yd., 6 oz.

89 SX 049. NET PER YARD.........**4.40**
89 SX 047. Over 1 yd., PER YARD...**4.40**

NEW! LOW-COST LINCOLN SPEAKER ENCLOSURE & SYSTEMS

MODEL L-150 VENTED TUBE SPEAKER ENCLOSURE

Self-sized and neatly styled, the new L-150 enclosure employs vented tube port for smooth, mellow bass sound. Designed to accommodate any 8" speaker (port is pre-tuned for the Knight KN-808 8" speaker), it features a cutout for adding a tweeter if desired. Convenient screw terminal strip on rear panel includes internal wires for connecting to speaker. Solid, ½" wood panel construction, with fiberglas acoustic lining for resonance-free sound. Attractive, matching grille cloth. The L-150 enclosure can be used in either an upright position, or horizontally. **Enclosure is covered in mahogany, suede or walnut leatherette.** Size, 10x20x9". Shpg. wt., 13 lbs.

35 DU 730C. *Specify Finish.* NET...**11.95**

L-150 ENCLOSURE WTIH KNIGHT KN-808 8" SPEAKER INSTALLED. You'll get marvelous sound from this combination! Shpg. wt., 18 lbs. *Only $2 Down.*

[illegible] SA 109-C2. *Specify Finish.* NET..19.95

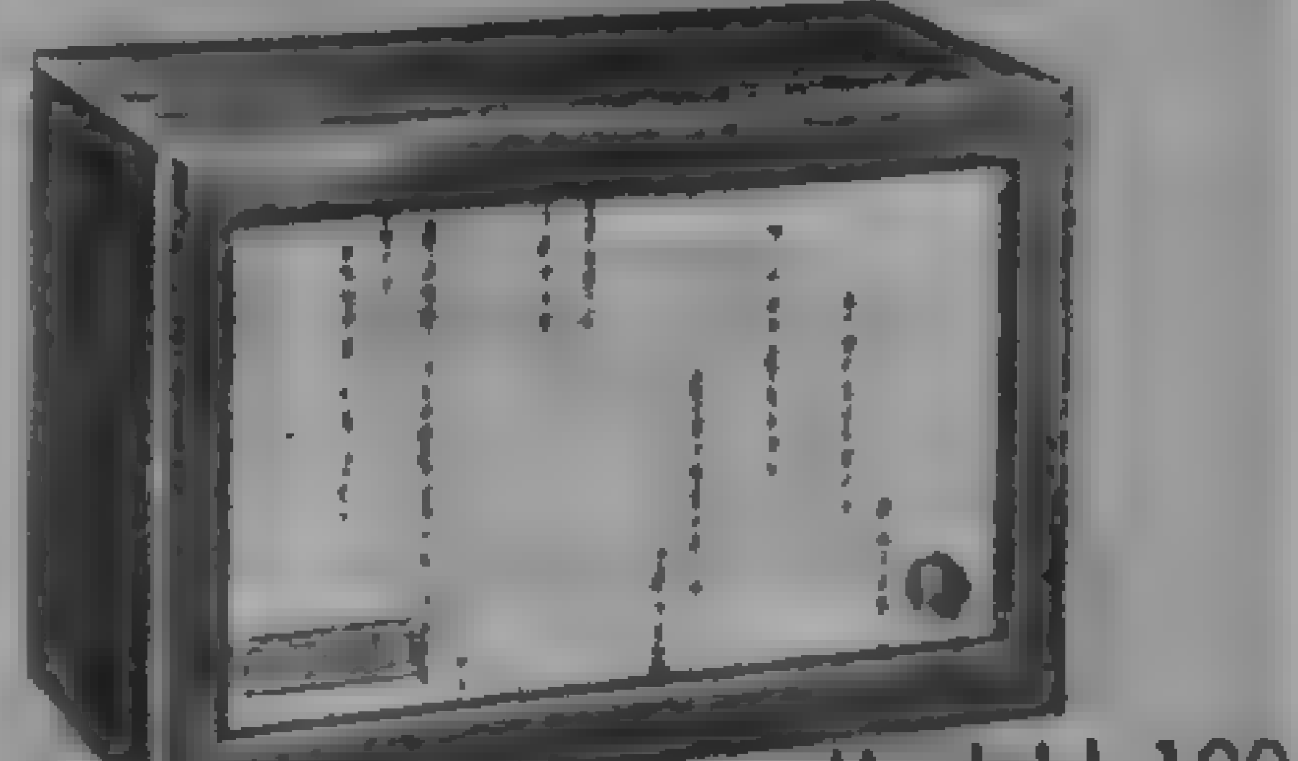
MODEL L-100 LOW-COST SPEAKER SYSTEM

A sensational value at this exceptionally low price, the L-100 speaker system is a "natural" for extension use. Brings music to any room in your home—kitchen, den, patio, basement workshop, garage—or anywhere else you want to use it. Ready to use, it's supplied with a 25-ft. extension cable terminating in handy alligator clips—can be quickly connected to your hi-fi set, phonograph, radio console or TV set.

Features a volume control too—once you've connected it to your music source, you can regulate volume at the speaker. Made of sturdy masonite panels, with closed back, the L-100 is only 8" high, 12" wide and 6" deep—fits in anyplace! Employs 5x7" speaker for wide-range sound. Smartly styled, cane grille cloth front; handsome, walnut, wood-grained finish on all four sides. Includes instructions. Impedance, 8 ohms. Shpg. wt., 5 lbs.

79 DX 337. ONLY...............**9.88**

Model L-150



Model L-100

STEREO BALANCING ACCESSORIES

MODEL SB-1 STEREO BALANCE INDICATOR. A precise meter-type balance indicator that provides an accurate visual check of speaker and amplifier balance. Simple to install, it completely eliminates guesswork in balancing any stereo system. Screw terminals for connecting to amplifier outputs. Simply adjust balance or volume control of system until zero deflection is obtained on the stereo balance meter. Attaching balance indicator to your stereo system will not affect sound quality, amplifier damping, etc. Low in cost, the SB-1 is an easy-to-use stereo music system accessory that soon pays for itself in usefulness. Walnut finished, wood cabinet; [illegible]-finished, steel cradle base. 4¼x6¼x[illegible]". Shpg. wt., 1½ lbs.

[illegible] S 311. NET...................**14.95**

MODEL TT-1 STEREO BALANCE TONE GENERATOR. A "must" for accurately balanced, stereo tape recording. Plugs into input jacks on your stereo amplifier or preamp; feeds equal tones of 1000 cps into each channel. Adjust balance or volume controls until only a single tone emanates from the center. (Use the TT-1 with the SB-1 for a quick, visual/audio check of channel balancing). Has Off-On slide switch; Volume control; Channel A and B phono input jacks. 3¾x6¼x2". Shpg. wt., 2 lbs.

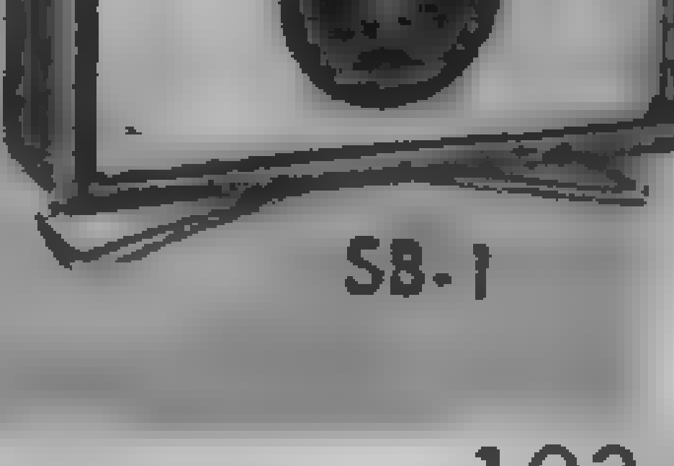
89 S 378. NET.................**13.95**

NEW MODEL CM-2 STEREO BALANCE METER AND TONE GENERATOR. Combines functions of SB-1 and TT-1 into a single unit. 4½x6¼x3¼". Shpg. wt., 2¼ lbs.

89 S 122. *$2 Down.* NET.........**24.95**

CM-2

TT-1



SB-1

UNFINISHED BASES for RECORD CHANGERS

Include Phono Drawer Slides

Do-it-yourself and save—these unfinished changer bases are made of smooth-sanded birch wood, ready to finish in the color of your choice. Durably constructed of ½" and ⅜" panels. Phono drawer slides have smooth-action, steel ball bearings. Bases easily fit into most hi-fi equipment cabinets. Overall size: 3½" high, 16¼" wide, 14½" deep. Av. shpg. wt., 8 lbs.

Stock No.	Pre-Cut For Use With:	NET EACH
89 RX 624	Webcor 1000 Series	7.75
89 RX 664	Garrard Type 88/II	
89 RX 651	Garrard 210	
89 RX 652	Collaro TSC-740, TC-99	
93 RX 494	Uncut, with blank top	

LOW-COST, WOOD TURNTABLE BASE

Available in Three Furniture Finishes

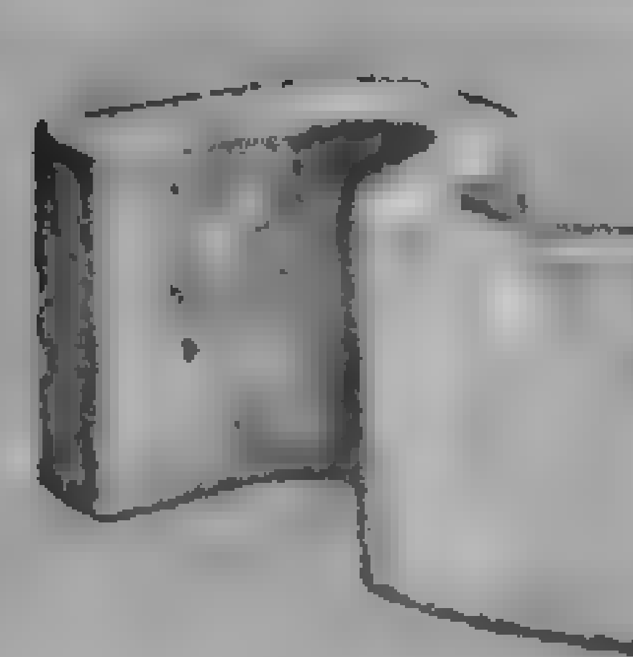
Genuine Wood Veneers

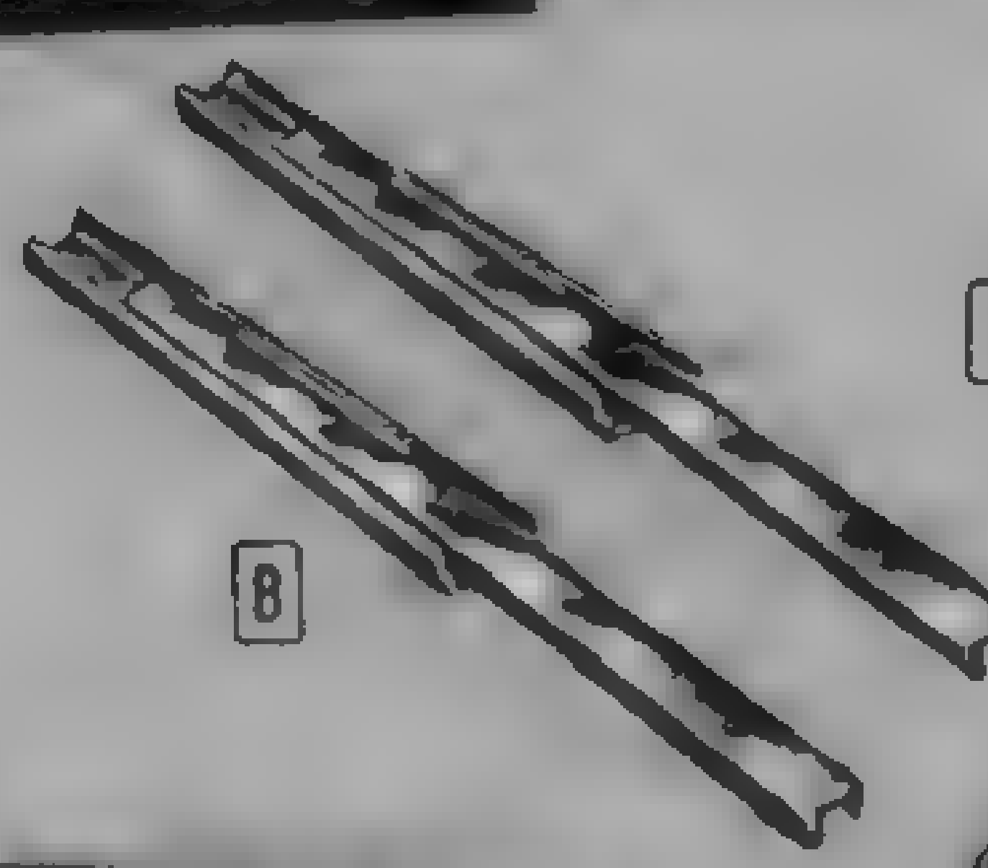
Rugged, beautifully-built turntable bases featuring many fine furniture details. Employ natural wood veneers in choice of 3 finishes; solid, ¾" paneling; shock-absorbent, foam rubber motorboard rest; screw-out ¾" feet, with felt pads to prevent marring furniture; etc. All will accommodate 12" pickup arms. **Available in mahogany, limed oak or oiled walnut veneers—specify choice when ordering.** Av. shpg. wt., 8½ lbs.

Stock No.	Pre-Cut For:	Size, HWD	EAC
89 RX 653	Rek-O-Kut L-34, L-37 Turntables	5¼x16⁵⁄₁₆x16⁵⁄₁₆" (legs screw out ¾")	15.9
89 RX 654	Rek-O-Kut N-33H Turntable		
89 RX 655	Rek-O-Kut K-33, K-33H Turntables		
89 RX 656	Blank (uncut); any turntable with 12" arm		

Custom Installation Accessories

A





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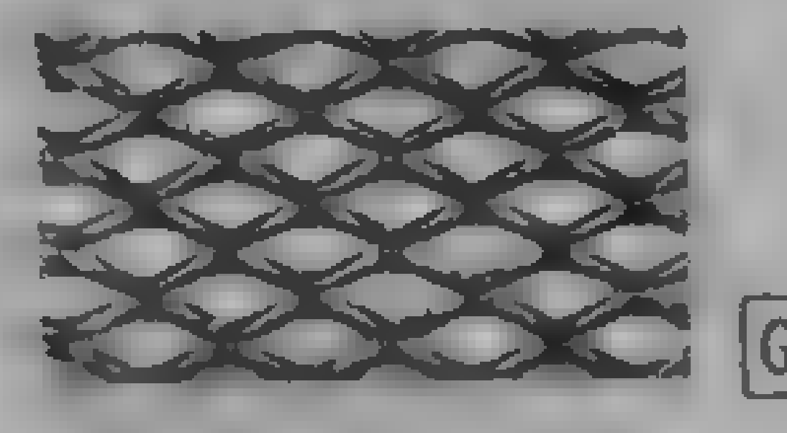

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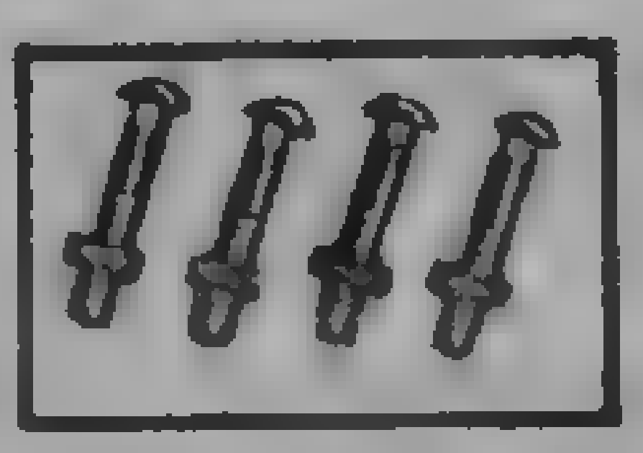

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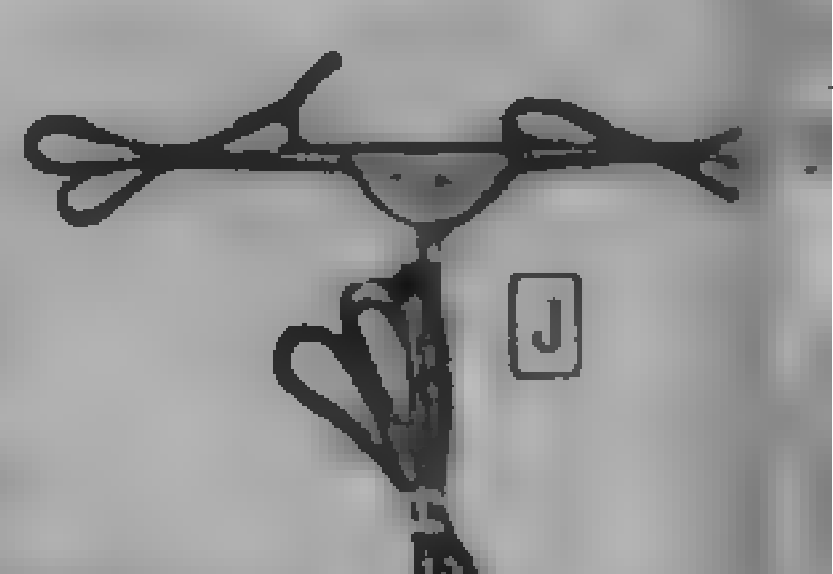

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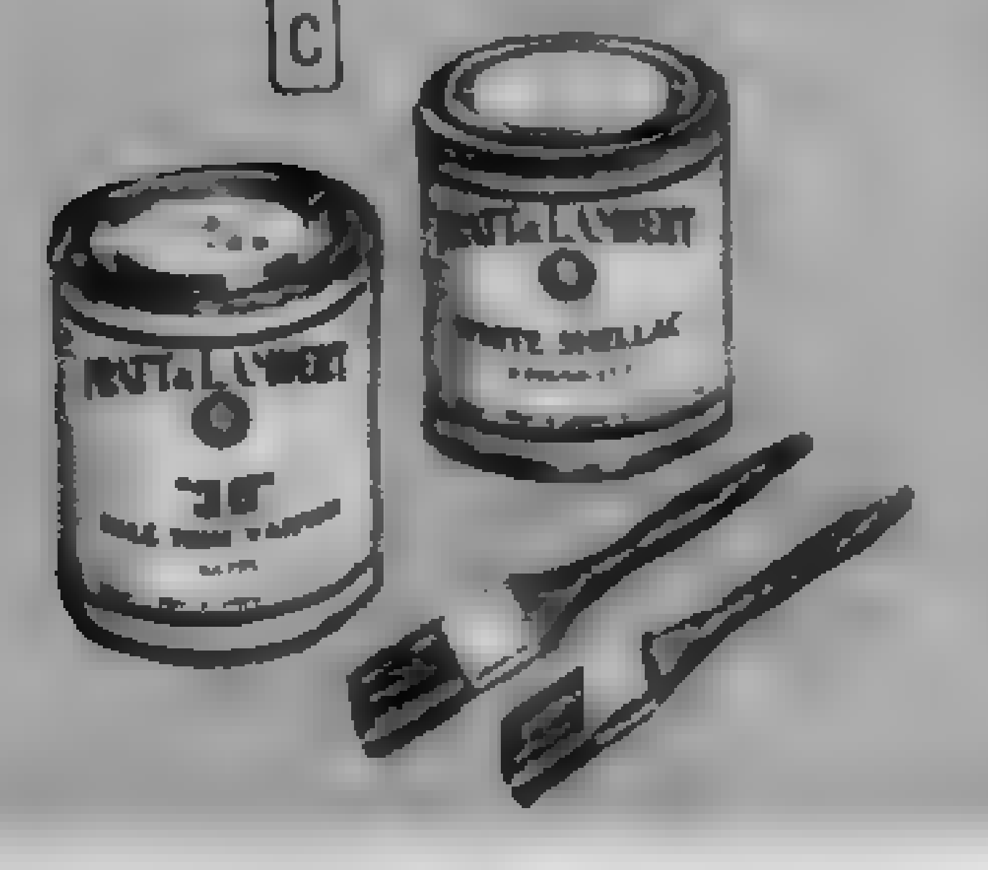

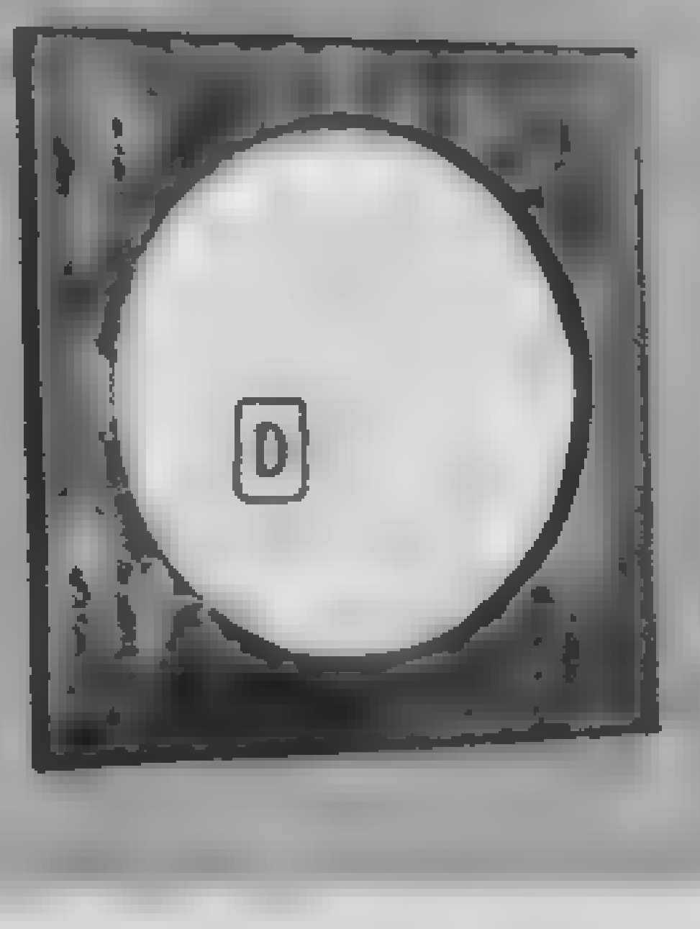

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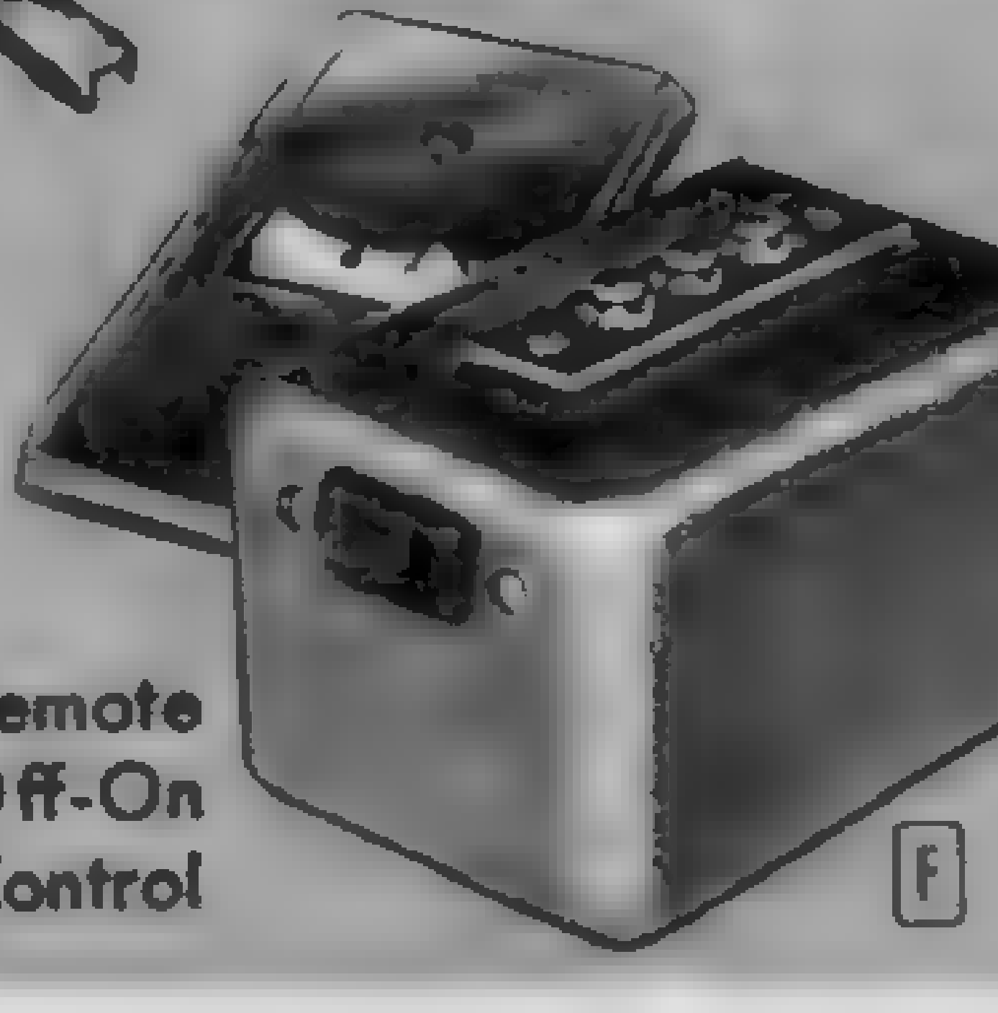

Remote Off-On Control

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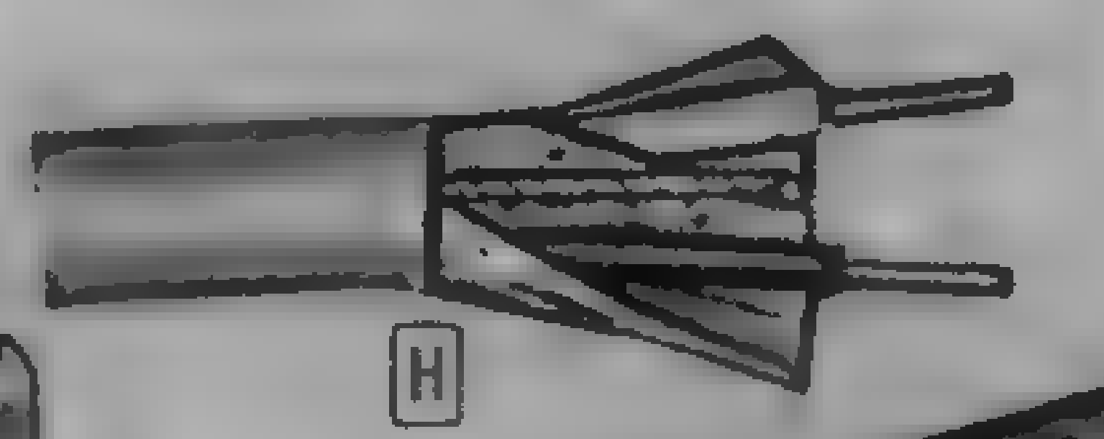

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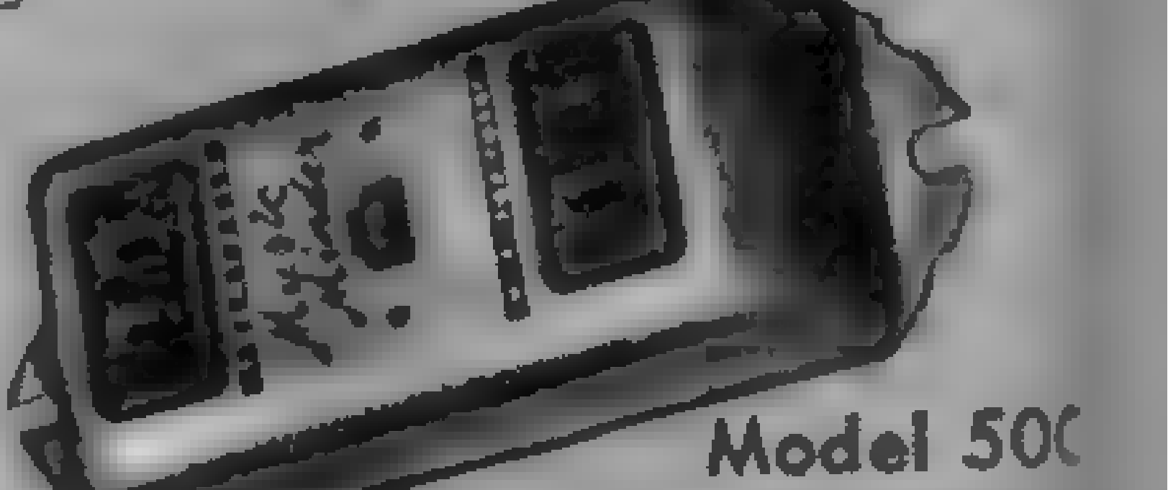

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Model 50 "Music Minder"

A **FIBERGLAS ACOUSTIC INSULATION.** Eliminates "boom" and distortion-causing standing waves inside speaker enclosures. 1" thick, 24" wide, 60" long. 2 lbs.
59 SX 935. NET.................. 1.09

B **STANDARD 15" PHONO DRAWER SLIDES.** For installing record changers or turntables in cabinets. Heavy steel; with ball bearings. 15" long with normal travel extension of 11". Attach to bottom or sides of phono drawer or base. Shpg. wt., 4 lbs.
86 R 195. NET.................. 1.90

STANDARD 13" PHONO DRAWER SLIDES. As above, but 13" long. Shpg. wt., 4 lbs.
86 R 194. NET.................. 1.90

HEAVY-DUTY PHONO DRAWER SLIDES. 18" long, Normal extension, 16". Shpg. wt., 5 lbs.
86 R 199. NET.................. 3.50

C **ELECTRO-VOICE FINISHING KITS.** Contain stain, filler, sealer, shellac, high-gloss and satin varnishes, finishing paper, brushes and instructions. Shpg. wt., 6 lbs.

81 D 844. Model FK10. Walnut.
81 D 845. Model FK20. Mahogany.
81 D 846. Model FK30. Fruitwood.
81 D 848. Model FK50. Golden Oak.
81 D 849. Model FK60. Ebony.
Above Kits, NET EACH............ 5.88

D **SPEAKER REDUCER RINGS.** For using smaller speakers in larger enclosures. Made of ⅜" plywood. With hardware.

MODEL R/R 12/18. For mounting 8" speaker in 12" speaker baffle or cabinet. 1 lb.
82 D 298. List $2.00. NET.......... 89c

MODEL R/R 15/12. For mounting 12" speaker in 15" speaker baffle or cabinet. 1½ lbs.
82 DX 299. List, $2.75. NET........ 1.19

E **G-C DECORATIVE METAL GRILLE.** Decorative brushed-brass finish. Diamond pattern. 2⅛x⅞". Av. wt., 4 lbs.

86 SX 070. 12x18". NET............ 1.76
86 SX 071. 18x24". NET............ 3.23
86 SU 072. 24x36". NET............ 6.14

F **AUDIOTEX REMOTE OFF-ON CONTROL FOR HI-FI SYSTEMS.** New, self-powered remote control unit for turning your hi-fi set (or other appliance) on and off from any location in your home. Includes power control unit for plugging into set, and 3 switches—any of these switches may be used to turn the system off or on. Control unit contains a low-voltage power supply as well as a relay switch for the set. Switches are connected in parallel to the control unit, and can be placed up to 120 ft. from your set or appliance. Switches are operated in the same manner as light switches; fit any standard electrical outlet box or may be built into cabinet. Any number of switches can be added to the control. Capacity of control unit is 10 amps at 110-120 volts AC. Less 3-conductor wire (below).

MODEL 30-300. Includes power control unit with three switches. Shpg. wt., 2 lbs.
59 S 917. List, $23.00. NET....... 13.52

MODEL 30-302. Includes power control unit with 3 pilot-light switches (additional switches without pilot light may be added).
59 S 918. NET.................. 16.46

MODEL 30-304—ADDITIONAL SWITCH. Less pilot light. Shpg. wt., 5 oz.
59 S 919. NET EACH.............. 1.32

3-CONDUCTOR WIRE FOR ABOVE. 100-ft. length. Shpg. wt., 100 ft., 2 lbs.
47 T 360. 100' or More, PER 100 FT... 2.45

G **SPEAKER MOUNTING BOLTS.** Carria bolts for mounting speaker to wood pa el. Flat head, ¼x2" long. With square nu 4 per pkg. Shpg. wt., 4 oz.
45 N 846. NET PER PKG............ .13

H **ROFLEX SHEATHED CABLE.** For lo speaker lines in indoor or outdoor a plications. No. 14, 2-conductor solid. The moplastic insulated. Minimum order 100 Wt., 100 ft., 7 lbs.
47W 549. PER 100'.............. 6.2

J **FM TWIN LINE ANTENNA.** Low co folded dipole type indoor antenna d signed for FM reception. Perfect for where concealed antenna would be desira or where outdoor antenna installation is feasible. Simply place under rug, behi cabinet or in any other out-of-the-way cation. Consists of 300 ohm twin-line w 6 ft. lead-in wire. Wt., 6 oz.
92 C 019. NET.................. 1.

K **MODEL 500 AUTOMATIC "MUSIC MINDE** For music systems employing Garra Collaro, Thorens and other European-ma automatic record changers. When y changer shuts off (after the last record played), the entire system is turned Permits you to fall asleep to your favo records, etc., without leaving your ampli on indefinitely. Plug the changer into outlet on the "Music Minder" and the plifier into the other one. Has Man position for non-automatic operation. 6 2x1½". Wt., 2 lbs.
91 S 568. NET.................. 5.

MODEL 600. As above, but for Webcor, o American-made changers.
91 S 567. NET.................. 5

AUDIOTEX L-Pad Volume Controls

New speaker volume controls for the most critical hi-fi or P.A. requirements. Employ self-compensating L-pad circuitry; provide constant impedance match. Offer the convenience of remote operation from any location without loss of audio quality. Stereo models control dual speakers simultaneously. Rated at 10 watts continuous power; 20-watt audio peak. Screw-type terminals eliminate soldering. With matching brass hardware, instructions. Av. shpg. wt., 8 oz.

Stock No.	Model No.	Fig.	Impedance	Mode	Type of Mounting	NET
59 S 920	30-364	A	8 ohms	Mono	Wall Plate—standard outlet box	2.91
59 S 921	30-366	A	16 ohms	Mono	Wall Plate—standard outlet box	2.91
59 S 922	30-372	A	8 ohms	Stereo	Wall Plate—standard outlet box	5.00
59 S 923	30-374	A	16 ohms	Stereo	Wall Plate—standard outlet box	5.00
59 S 924	30-376	B	8 ohms	Mono	Surface Mount—self-contained box	4.12
59 S 925	30-378	B	16 ohms	Mono	Surface Mount—self-contained box	4.12
59 S 926	30-380	B	8 ohms	Stereo	Surface Mount—self-contained box	6.17
59 S 927	30-382	B	16 ohms	Stereo	Surface Mount—self-contained box	6.17
59 S 928	30-384	C	8 ohms	Mono	Panel Mount—1" shank, dial plate	2.06
59 S 929	30-386	C	16 ohms	Mono	Panel Mount—1" shank, dial plate	2.06

SPEAKER SELECTOR SWITCHES

For selecting any combination of 1 to 3 speakers. Each switch automatically matches impedance as various combinations of speakers are used. Stereo model controls 3 pairs of speakers. With screw-type terminals. Av. shpg. wt., ½ lb.

D MODEL 30-362 WALL PLATE. Monophonic speaker selector.
59 S 934. NET 2.06

E MODEL 30-360 SURFACE MOUNT BOX. Monophonic speaker selector.
59 S 933. NET 3.23

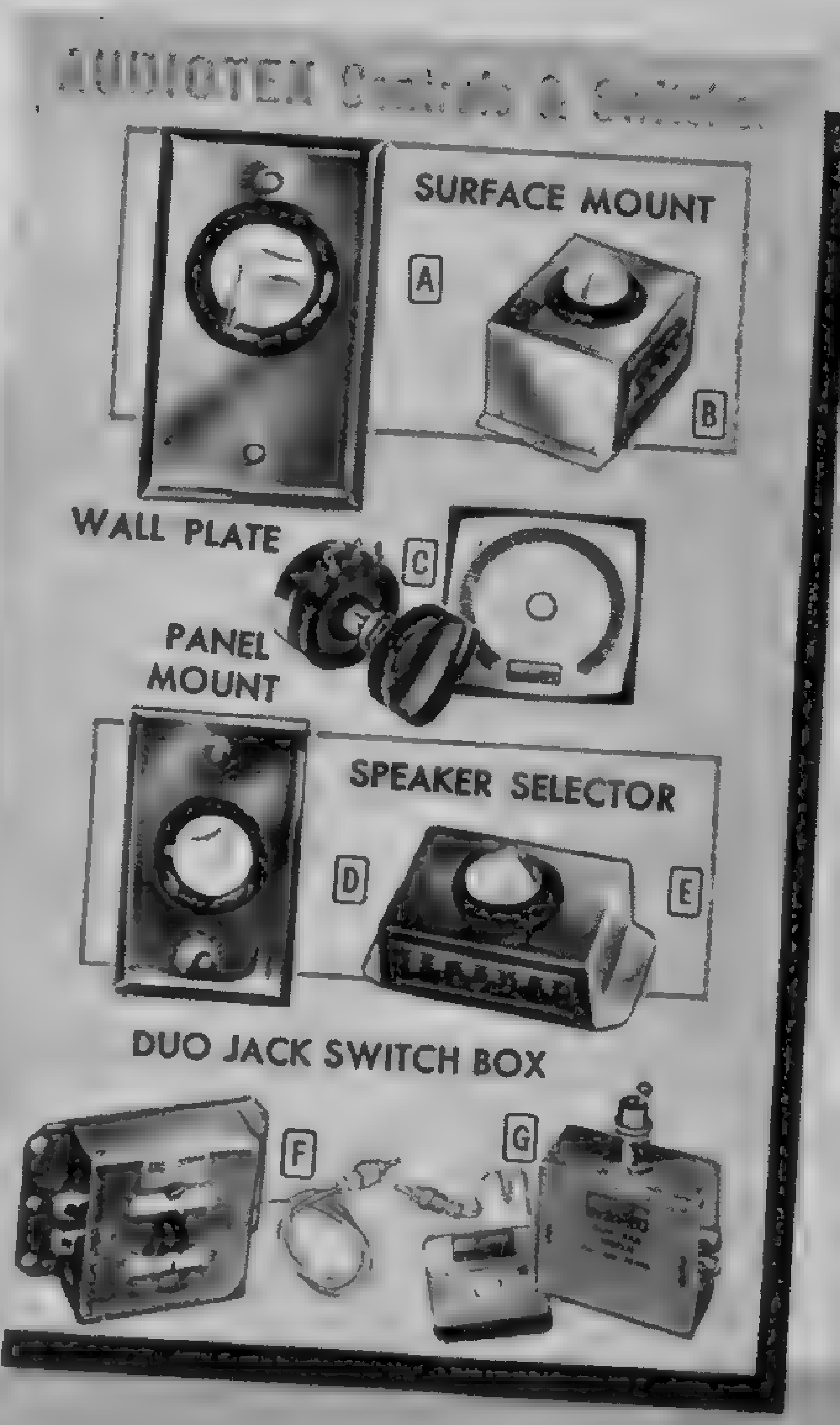
MODEL 30-388 WALL PLATE. Stereo speaker selector.
59 S 930. NET 2.91

DUO-JACK SWITCH BOX

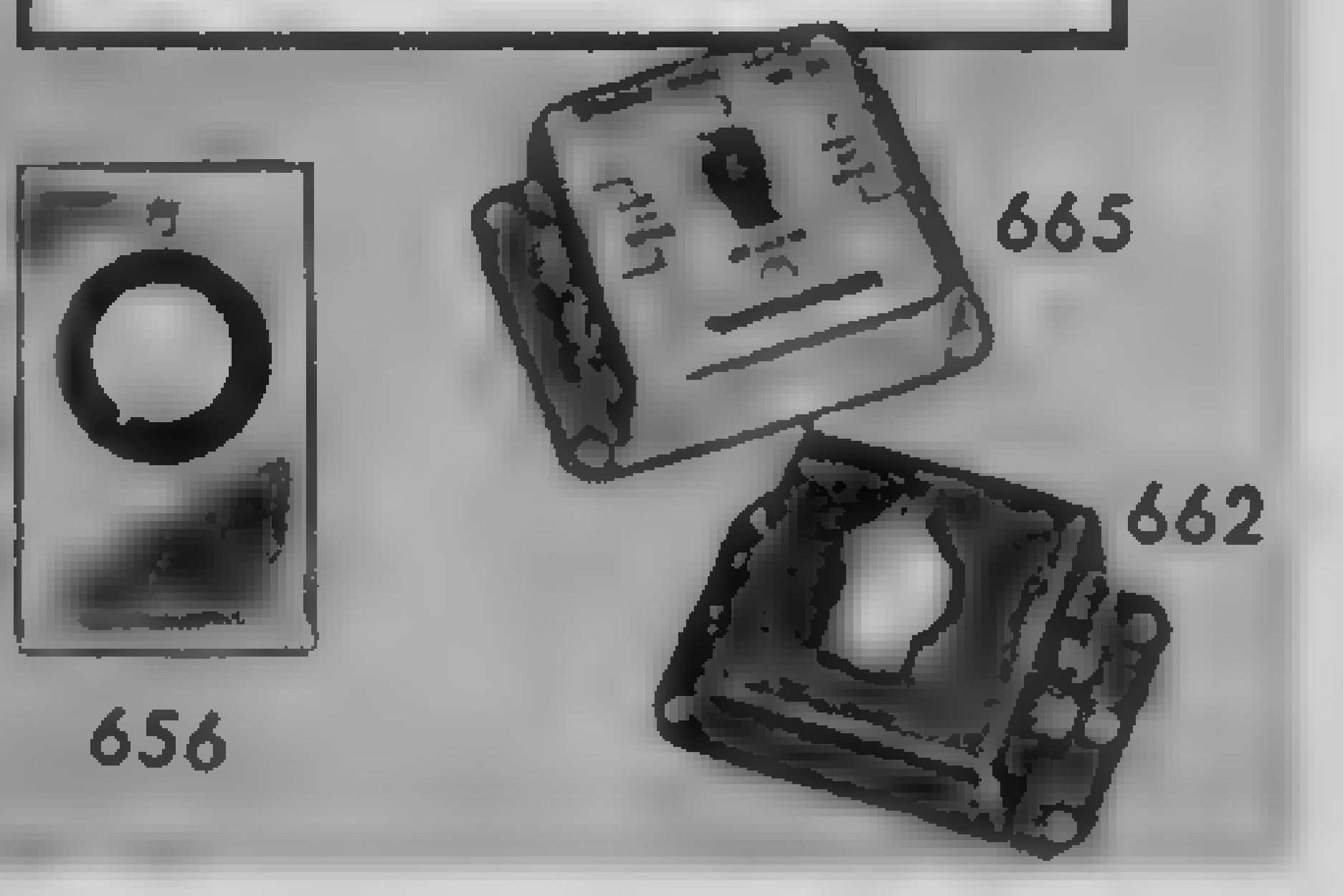
For feeding either of two different monophonic signal sources, such as tuner, record player, or tape recorder, into a single amplifier input without changing cables. Switch selects signal to be fed to amplifier. Each switch box has two phono jack inputs and a single output cable. 18" long, tipped with phono plug.

F MODEL 30-294 SURFACE MOUNT SWITCH BOX. Slide switch. Shpg. wt., 10 oz.
59 S 931. NET 1.76

G MODEL 30-296 PANEL MOUNT SWITCH BOX. For panels to ¾". Toggle switch. Has dial plate. Shpg. wt., 10 oz.
59 S 932. NET 2.20



SWITCHCRAFT



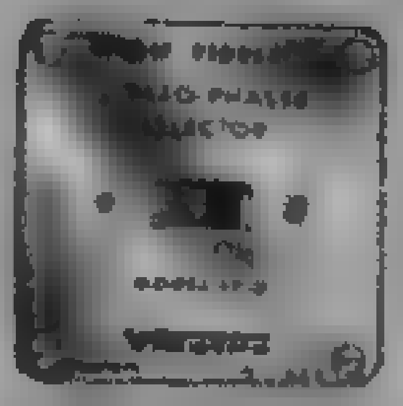
Hi-Fi Controls and Switch

NEW MODEL 656 SPEAKER VOLUME CONTROL. Convenient new speaker volume control with wall plate. Employs a specially designed L-pad with "off" position—completely cuts off speaker when knob is turned counter-clockwise all the way. Wall plate is handsomely styled in brushed brass—fits standard electrical outlet boxes. Easy to install. Has solder lug terminals. Rated at [illegible] watts of peak audio power. Impedance, [illegible] ohms. Includes hardware and instructions. Size, 4½x2¾x1¼". Shpg. wt., 10 oz.
59 S 450. NET 4.09

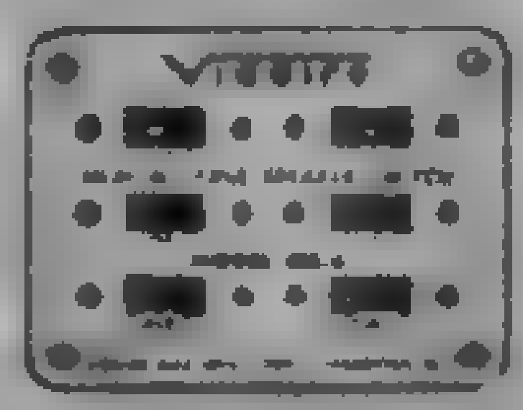
MODEL 665. SPEAKER PHASE CONTROL. For stereo or multiple speaker installations. Provides proper phasing of speakers at the flick of a switch. Mounted in attractive tan-finished, completely shielded housing. Comes complete with 4 mounting screws—mounts on cabinet or wall. Has screw terminals for ease of wiring—requires no soldering. Size, 1½x2x2". Shpg. wt., 10 oz.
59 S 805. NET 1.47

MODEL 662. STEREO-MONOPHONIC SELECTOR WITH CHANNEL REVERSE SWITCH. A versatile accessory for any stereo-monophonic music system. Provides instant switching from stereo to monophonic operation at amplifier input; permits reversing stereo channels at the flick of a switch. Has [illegible] phono jack inputs, 2 phono jack outputs. Outputs are connected together in monophonic position. In tan-finished, shielded housing. With hardware. 1½x2x2". Shpg. wt., 10 oz.
59 S 802. NET 2.06

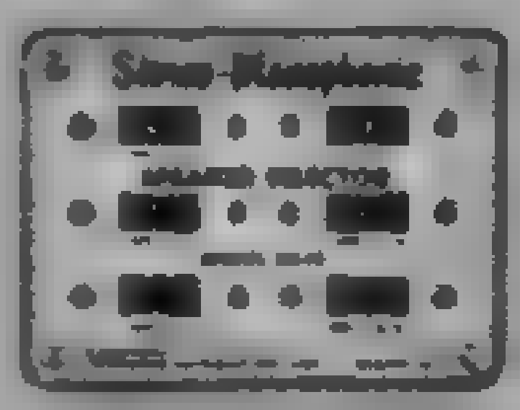
VIDAIRE Switches and Controls



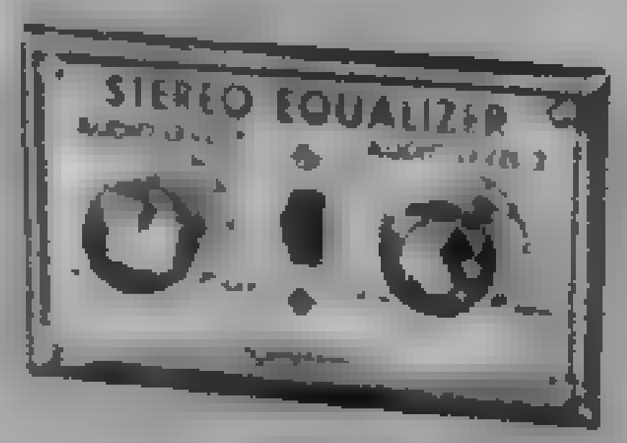
SP-5 Phaser



MS-6 Speaker Switch



MS-12 Speaker Switch



SE-8 Speaker Equalizer

RS-10 Speaker Switch

RF-10 Fader

SPEAKER SELECTOR SWITCHES. Convenient, low-cost, speaker selector switches for easy switching of speakers in music systems. Available in models for monophonic or stereo systems. Easy-to-follow wiring instructions include details on selecting the correct external resistors required to maintain proper impedance; less resistors. Include gold-embossed, brass plates and hardware. Av. shpg. wt., 8 oz.

MODEL MS-6. For instant switching of up to 6 speakers in multi-speaker, monophonic installations. Panel, 3¼x2⅜".
94 S 438. NET 2.10

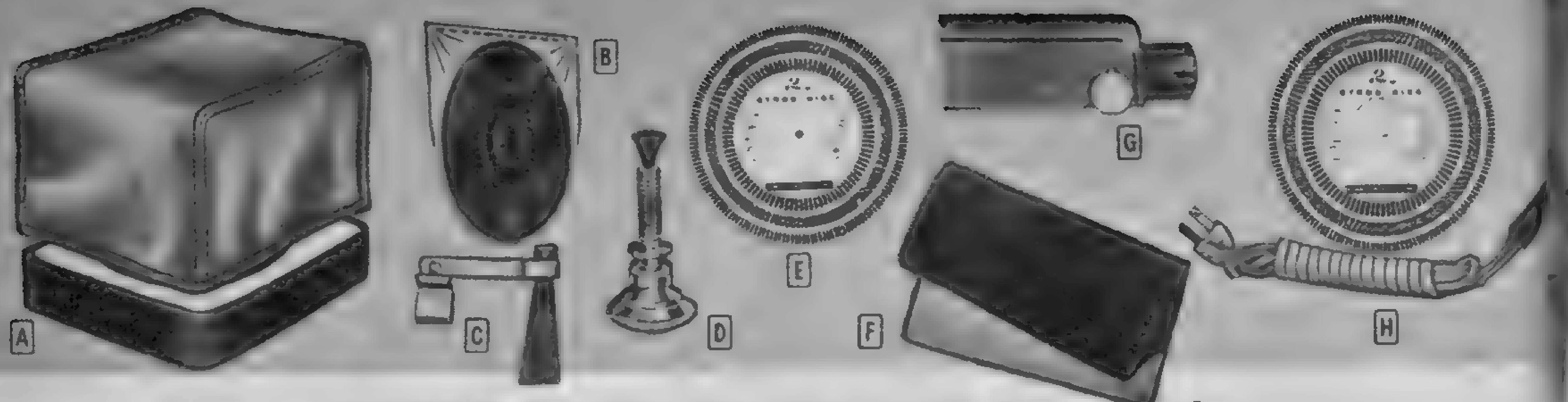
MODEL MS-12. As above, but for stereo or monophonic use. Controls 6 pairs of speakers for stereo, or 12 speakers in monophonic applications. Panel, 3¼x2⅜".
59 S 451. NET 2.64

NEW STEREO SPEAKER EQUALIZER WITH PHASING SWITCH. An excellent accessory for any speaker system. Includes L-pad controls which permit adjusting each speaker in stereo system to provide equal output. Particularly valuable in systems using unlike speakers which are not equally efficient. Minimizes need for unbalancing amplifier in order to obtain equal volume from each speaker. Also includes speaker phasing switch to assure best bass reproduction and most realistic stereo effect. May be used for adjusting volume of two speakers in monophonic systems. Gold-embossed brass mounting plate. With hardware. 2¾x4½x2⅛". Shpg. wt., 10 oz.
89 S 114. **Model SE-8. For 8-ohm speakers.**
89 S 115. **Model SE-16. For 16-ohm speakers.**
NET EACH 7.50

MODEL SP-5 SPEAKER PHASING SWITCH. For use with stereo speaker systems. An inexpensive accessory that will help you attain balanced sound from your stereo music system. Switch reverses polarity of one stereo speaker to insure proper phasing for the best stereo effect. Brass plate mounts on speaker enclosure or control panel. Solder terminals. With hardware. Panel, 2⅛x2⅛". Shpg. wt., 4 oz.
89 S 113. NET 1.05

MODEL RS-10 2-SPEAKER SELECTOR SWITCH. Connects remote speaker to radio, TV or hi-fi set. Permits listening enjoyment in any room, porch or patio without "blasting" at source. Has 3 positions—turns remote speaker on or off; turns speaker at central location on or off; or puts both speakers in operation. Quickly and easily installed. Brass plate is gold finished. With knob, and instructions. Solder terminals. Size, 2⅛x2⅛x1¾". Shpg. wt., 8 oz.
94 S 474. NET 98c

MODEL RF-10 SPEAKER FADER CONTROL. Provides variable distribution of volume between main speaker and remote speaker. Decreases the gain of one speaker while increasing the gain of the other speaker (does not maintain constant impedance). May also be used to control the volume of an individual speaker. For use with 4-8 ohm speakers. Handles 5 watts of audio power. Gold embossed brass panel plate; solder terminals. Complete with all hardware and installation instructions. Size, 2⅛x2⅛x1¾". Shpg. wt., 8 oz.
94 S 473. NET 1.15



ROBINS Quality Record Care Accessories

A **CC-US RECORD CHANGER COVER.** Fits a variety of popular record changers. Offers protection from the harmful effects of dust, moisture, soot, etc. For use with Garrard RC88, 98 and 4HF; Glaser-Steers GS-77, Pickering, etc. Made of durable plastic. 17x 15x8¾". Shpg. wt., 6 oz.
59 R 996. NET....................**98c**

A **CC-TUS TURNTABLE COVER.** Fits many of the popular turntables, including those manufactured by Fairchild, Rek-O-Kut and Garrard among others. Size, 22x 16½x9". Shpg. wt., 6 oz.
59 R 997. NET....................**1.25**

B **E15-S DIS-CLOSURES—PLASTIC PROTECTIVE DISC COVERS.** Protective sleeves for storing 12" records. Constructed of durable polyethylene plastic with thermoset seams to resist tearing. Prevent scratching of delicate record surfaces; seal out harmful dust and warp-causing moisture; end finger marking of records. Sleeves are extra long for added protection; bottoms are rounded for perfect fit. Designed for use either with or without standard cardboard record jackets. Packed 15 sleeves to a package—in plastic envelopes. Shpg. wt. 7 oz.
59 R 994. NET....................**58c**

C **RB-75S CLIP-ON RECORD BRUSH.** Soft camel's hair brush that mounts on pickup arm; brushes record ahead of stylus to remove dust from grooves. Selected, lightweight fibers will not scratch record surfaces. Simply clip in place. Does not interfere with tone arm tracking or stylus pressure. Shpg. wt., 3 oz.
59 R 992. NET....................**29c**

D **NB-1 "KLEENEEDLE" BRUSH.** Automatic record changer needle brush. Whenever arm is cycled, stylus is wiped over brush. Removes accumulations of dust, lint, etc., from stylus tip—minimizes distortion in record reproduction. Base has adhesive pad for easy mounting. Shpg. wt., 4 oz.
96 R 769. NET....................**98c**

E **SD-4 "STROB-DISC."** The easiest and simplest way to check turntable speed and assure its accuracy. Quickly tells you if 16⅔, 33⅓, 45 or 78 rpm speeds are correct. Just place on record changer or turntable and view under 60-cycle neon or fluorescent light. Turntable is accurately revolving at correct speed when appropriate band of dots appears to be stationary. A hi-fi necessity. 2 oz.
59 R 995. NET....................**20c**

F **IP-16S ACOUSTIC ISOLATION PAD.** D signed to minimize acoustic feedbac reduce excess noise and protect furnitu finishes from heat. Place under reco changer bases, tape recorders, amplifie preamps, etc., to absorb vibration. May used beneath TV chassis. Made of high resilient urethane foam. Size, 13½x16½ Shpg. wt., ¾ lb.
59 R 998. NET....................**1.**

G **SE-900 ANTI-STATIC "ATOMIC JEWE** Highly effective static neutralizer. C sists of a tiny jewel on a clip. Makes reco dust-resistant by neutralizing static elect charges which attract dust. Weighs l than 1/50 of an ounce. Clips to tone ar Reduces record noise; increases record a stylus life. 3 oz.
96 R 768. NET....................**2.**

H **ESK-5 STROBE LIGHT.** Tells you for sure your turntable is moving at the pro speed. Consists of stroboscopic card a neon lamp. Place stroboscopic disc on tu table, set changer to desired speed and h lamp over appropriate dots. Movement dots clearly shows if turntable is corre fast or slow. Shpg. wt., 6 oz.
59 R 999. NET....................**9**

SELECTED RECORD CARE ACCESSORIES

J **FEDTRO TURNTABLE LEVEL.** High-quality level for precise leveling of turntables and record changers. Permits checking both in the off position and when the turntable is in motion. Water bubble level shows slightest tilt. Adds to the life of the styli—greatly improves fidelity. An important accessory. Shpg. wt., 6 oz.
79 R 239. NET....................**1.95**

K **ESL RECORD BRUSH.** Lightweight plastic arm with fine nylon brush, pad-type dust collector, and vial of pad cleaning fluid. Arm is suction-cup mounted to base. Nylon bristles loosen dust and dirt in record grooves and pad picks up particles. Fluid cleans pad and dissipates static. ½lb.
94 R 529. For Changers. **NET**.......**4.75**
94 R 528. For Turntables. **NET**........**5.75**

L **STYLUS INSPECTION MICROSCOPE.** For checking stylus tip to detect imperfections and signs of wear. Approximately 75-power magnification. Has groove for convenient centering of stylus tip in microscope field. Has sturdy metal barrel; adjustable objective lens. Imported from Japan. Size 3¾" long x ½" dia. 8 oz.
65 RC 440. NET....................**1.39**

M **LEKTROSTAT RECORD CLEANING KIT.** Ideal for thoroughly and safely removing grease, lint and dust from record grooves. Kit contains plastic bottle (1¼ fluid oz.) of anti-static detergent fluid, and tufted wiping pad. Solution is applied to record; then wiped with pad. Shpg. wt., 5 oz.
64 R 866. NET....................**1.96**

N **WALCO ANTI-STATIC RECORD SPRAY.** Easy-to-use, anti-static record spray. Deposits thin anti-static film on record surface. Aids in preventing records from accumulating damaging and noise-producing dust and lint. In handy 6 oz. aerosol spray can. Shpg. wt., 7 oz.
65 R 525. NET....................**88c**

P **PROTECTIVE TURNTABLE MATS.** Low-priced, foam rubber turntable mats that protect against record slippage. Also cushions record drop on record changers. Fit any model record changer or turntable. 3⁄16" thick.

12" Diameter. Shpg. wt., 4 oz.
69 R 233. NET....................**69c**

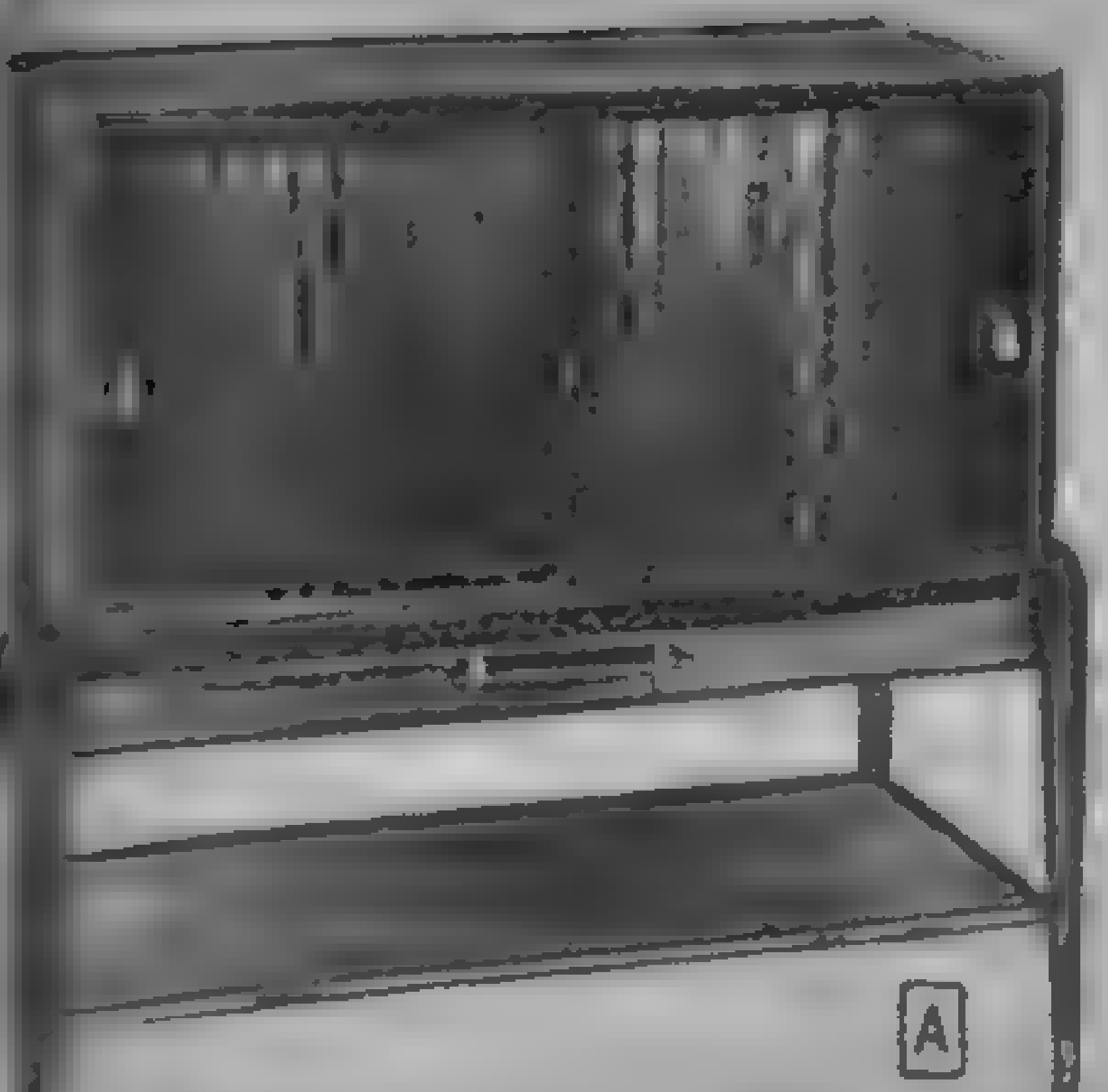
9¾" Diameter. Shpg. wt., 4 oz.
69 R 280. NET....................**59c**

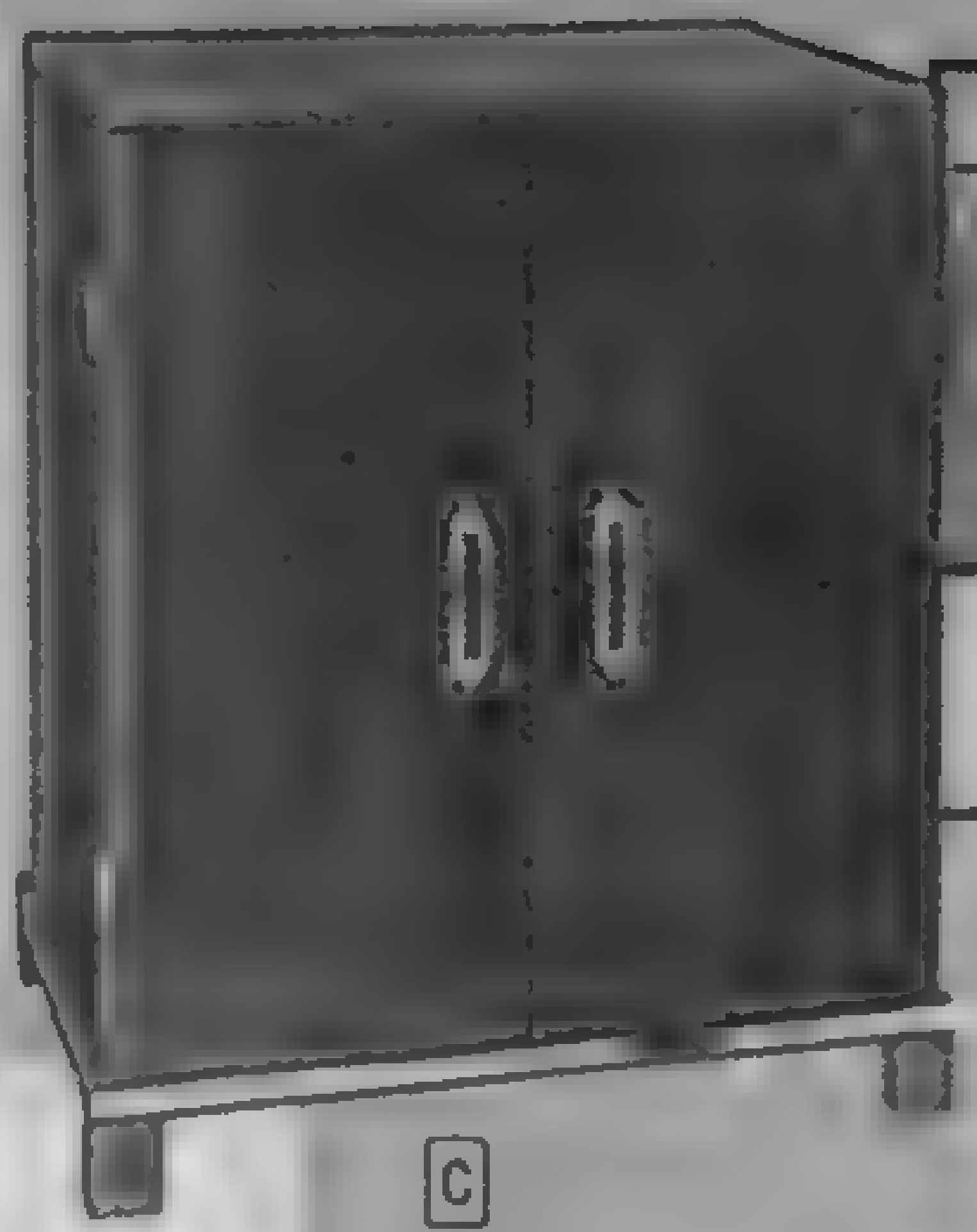
R **WEATHERS MODEL P-684 "DISCUSHIC** Features unique idea in record p Has three concentric ridges in gradu heights, to support records of 7", 10" 12" diameters. Protects grooves f scratches, dust on turntable, etc. A record rides on the outside ridge; 10" re on the center ridge; 7" record on the in ridge. Only the rim of record touches ridge. Diameter, 12". Wt., 5 oz.
93 R 710. NET....................**2.**

S **WALCO TURNTABLE LEVEL.** Compact for accurate leveling of turntables record changers. Insures correct trac of lead in and changer trip grooves, prevents excessive record and stylus w Air-bubble indicator. Gold finish. 4 oz.
69 R 225. NET....................

T **JENSEN ANTI-STATIC SILICLOTH.** static, silicone-treated record wi cloth. Deposits microscopic film—prev records from attracting noise-producing and grit. Removes the minute particles interfere with your record-listening e ment. Helps maintain quiet, pop-free production. Packaged in convenient, pl storage case. Shpg. wt., 5 oz.
65 R 531. NET....................

See Additional Accessory Listings On Following Page





Useful Record Storage Accessories

UNIVERSAL WOODCRAFTERS ALB-31 RECORD CABINET. Tasteful "Treasure Chest" [illegible] plus big 175 record capacity makes [illegible] an excellent value. Use cabinet for rec[illegible]—shelf, too. Brass door pulls and fer[illegible] add to its elegance. Entire unit, 28¾x[illegible]x14". Shelf, 30x12¾". *Available in mahogany, blonde or walnut—specify choice of* [illegible] Shpg. wt., 40 lbs.

DZ 613C. *$2 Down.* **NET**......**29.95**

UNIVERSAL WOODCRAFTERS AC-40 RECORD CABINET. 150-record capacity stor[illegible] cabinet. Skillfully crafted of sturdy [illegible] furniture veneers. Smartly-styled [illegible]red legs with brass ferrules and levelers. [illegible] 26¾x25½x14". *Available in mahogany,* [illegible]*e or walnut—specify choice.* Shpg. wt., [illegible]

DZ 602C. *$2 Down.* **NET**.......**19.95**

UNIVERSAL WOODCRAFTERS X-58 RECORD CABINET. Two-tier, 300-record [illegible]city cabinet that blends well with tradi[illegible] or contemporary decor. Constructed [illegible]-ply veneers with polished brass pulls [illegible] trim. Swinging doors have magnetic [illegible] catches and heavy brass hinges. 32½x[illegible]¾". *Available in mahogany, blonde or* [illegible]*—specify choice.* Shpg. wt., 58 lbs.

DZ 603C. *$2 Down.* **NET**......**39.95**

STANDARD ALBUM. 12-pocket album. [illegible]ine color fabrikoid cover. 1¼ lbs.

X 851. 12" Size. **EACH**..........**85c**

[illegible] **more, EACH**..........**76c**

[illegible]H-GRAINED. 12 Kraft-paper envel[illegible] binder. Maroon leatherette cover; stamped back. With index. Wt., 2 lbs.

X 857. 12" Size. **EACH**.........**1.06**

[illegible] **more, EACH**..........**96c**

[illegible] **7" RECORDS.** Holds 12. Cover in simu[illegible] leather; gold stamping. With record [illegible] Shpg. wt., 1 lb.

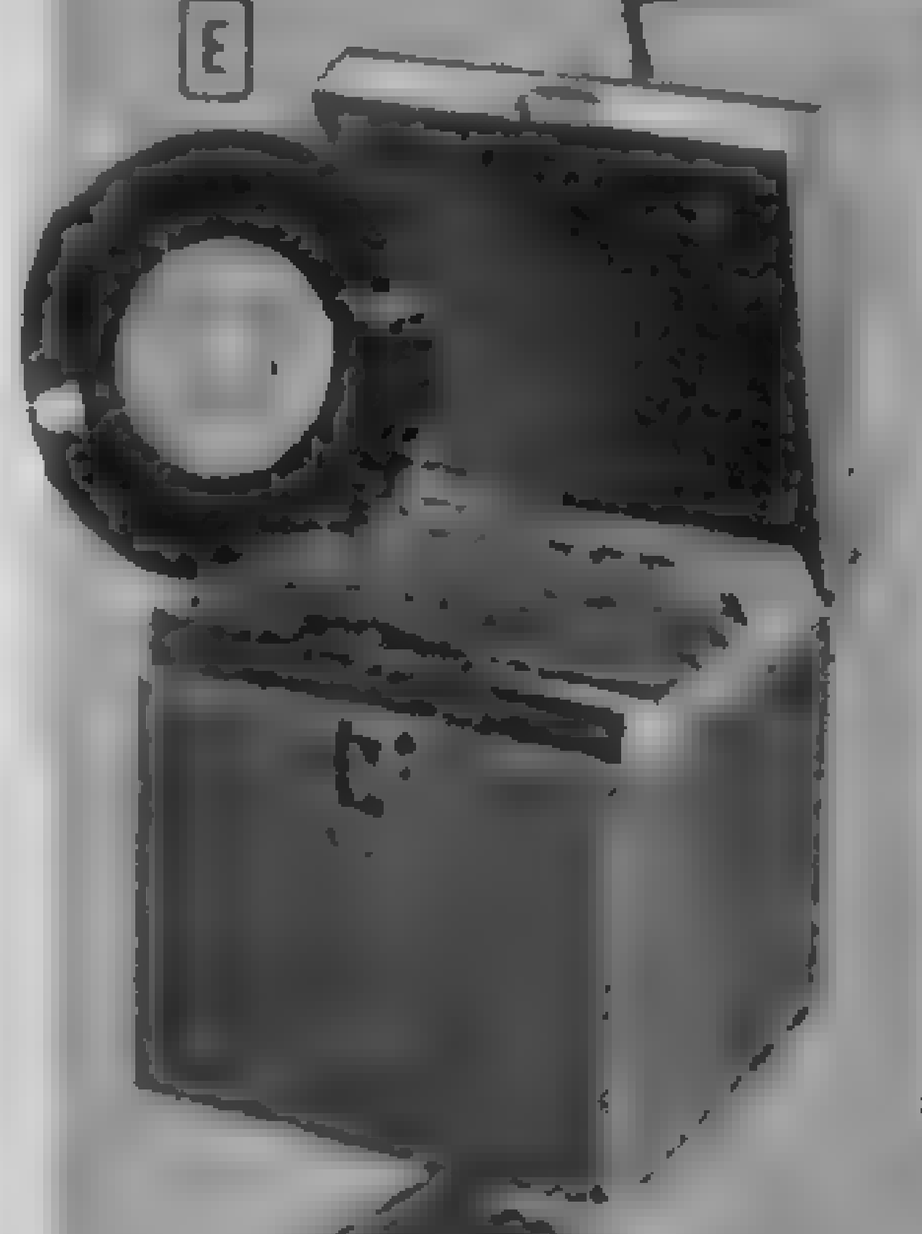
845. Red. **NET**

846. Brown. **EACH**..........**45c**

[illegible] **more, EACH**..........**41c**

D **FLAT-TOP RECORD HOLDER.** Accommodates sixty 7", 10" or 12" records with or without jackets. Brass finish complements any style of room decoration. Only 16½" long—ideal for limited space applications. Dividers are of heavy gauge steel with brass plating. Plastic-tipped legs. 16⅛x8x5¼". Shpg. wt., 3 lbs.

94 RX 942. NET..........**2.59**



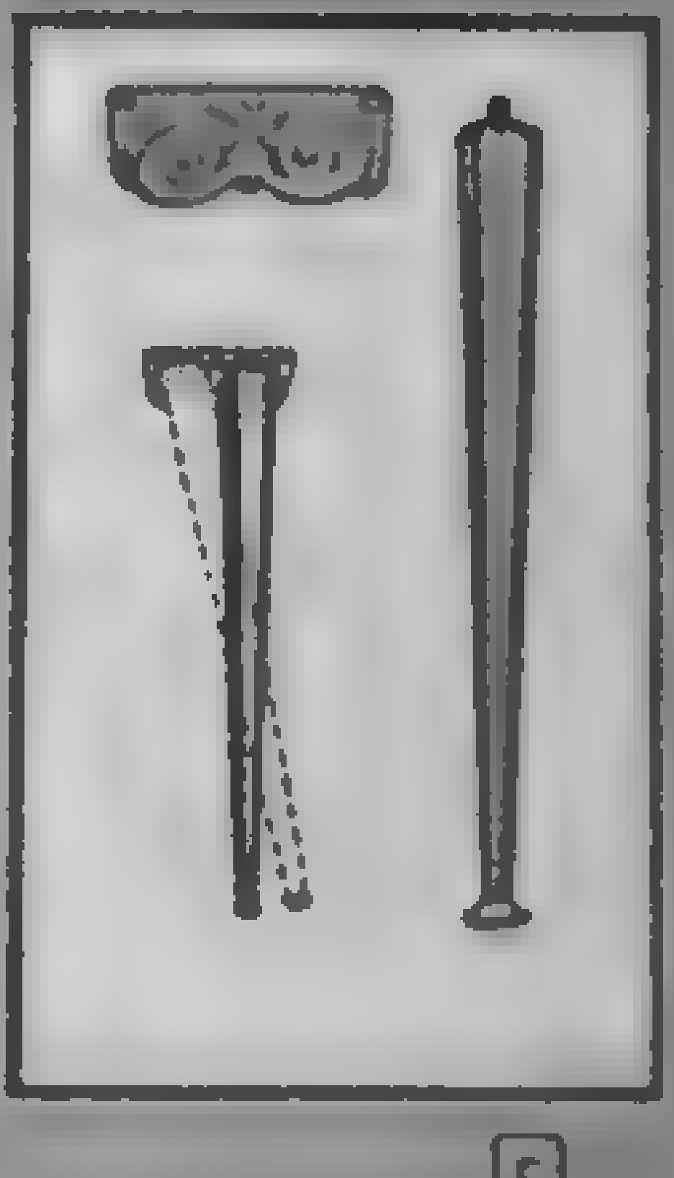
E **DISC STORAGE & CARRYING CASES.** 7" case holds 80 7" records; 12" case holds 36 12" records. Metal construction. Green and gray two-tone wrinkle finish.

MODEL 49—7" CASE. Shpg. wt., 4 lbs.

96 RX 849. NET..........**3.95**

MODEL 46-P—12" CASE. Wt., 7 lbs.

95 RX 894. NET..........**4.90**

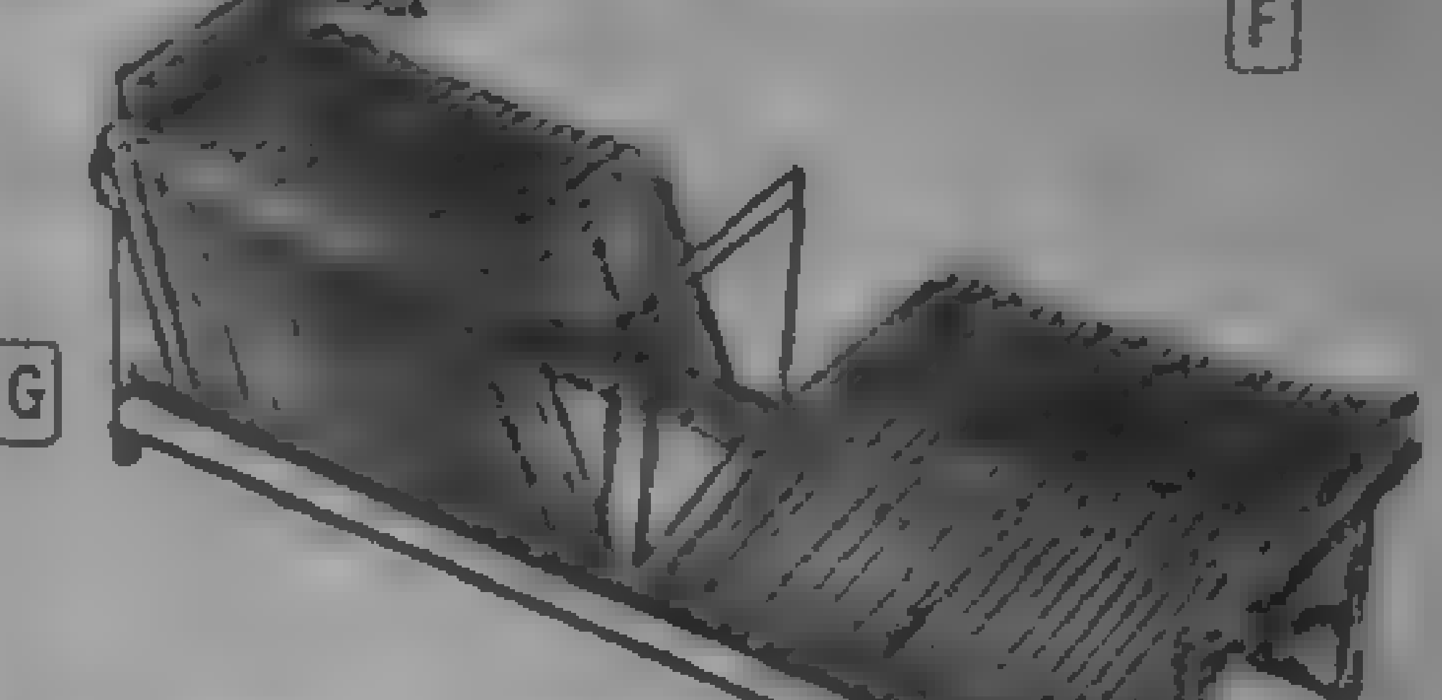


F **TAPERED BRASS LEG KITS.** Metal leg kits in 6 handy lengths. Kits include 4 duo-purpose brackets (for mounting legs in straight or angle position), and screws. Handsome brass finish.

79 D 196. 4" Kit. Wt., 2 lbs. **NET**...**2.49**
79 D 197. 6" Kit. Wt., 3 lbs. **NET**....**2.79**
79 D 198. 12" Kit. Wt., 4 lbs. **NET**...**3.79**
79 D 199. 14" Kit. Wt., 5 lbs. **NET**...**4.19**
70 DX 523. 20" Kit. Wt., 5½ lbs. **NET 5.39**
70 DX 524. 28" Kit. Wt., 7 lbs. **NET**..**6.19**

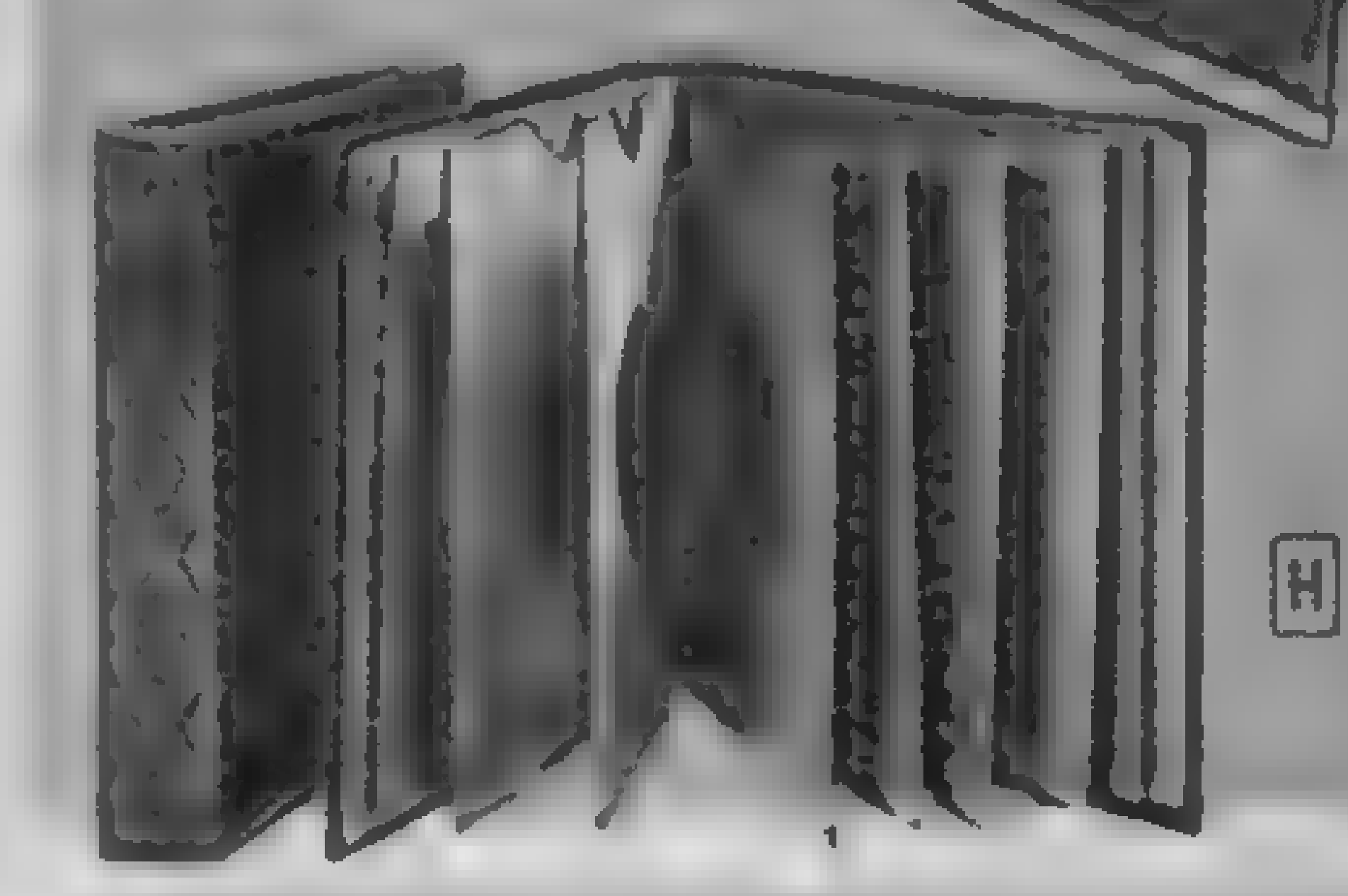
UNFINISHED TAPERED WOOD LEG KITS.

70 D 525. 4" Kit. Wt., 1½ lbs. **NET**..**1.79**
70 D 526. 6" Kit. Wt., 1¾ lbs. **NET**..**2.09**
70 D 527. 12" Kit. Wt., 2½ lbs. **NET**.**2.49**
70 D 528. 14" Kit. Wt., 2¾ lbs. **NET**.**2.79**
70 DX 529. 20" Kit. Wt. 3¼ lbs. **NET**.**3.39**
70 DX 530. 28" Kit. Wt. 4 lbs. **NET**...**3.79**



G **"PIC-A-DISC."** Individually hinged wire record retainers permit convenient record selection. Holds fifty 7", 10" or 12" records. Steel; finished in brass. 5 lbs.

92 RX 751. NET..........**4.98**



Pressure Gauges, Arm Positioner

DEXTRAFIX ARM POSITIONER. Precision-made accessory for use with any turntable. The "Dextrafix" gently and accu[illegible] raises or lowers the pickup arm with a [illegible]-type control, to permit precise placement of the pickup arm on any desired section of a record. Prolongs record and stylus [illegible] eliminating accidental dropping of [illegible]. Simple to install and operate—adjusts [illegible] pickup arm height. An invaluable aid [illegible] audiophile. With easy-to-follow in[illegible]. Shpg. wt., 5 oz.

R 150. NET..........**4.25**

GARRARD STYLUS PRESSURE GAUGE. Ac[illegible] measures weight exerted by a [illegible] upon a record. Markings in one gram [illegible] to 15 grams. All moving parts are [illegible] alloy, sealed for added protec[illegible]. Ideal aid for increasing record and [illegible] life. Shpg. wt., 5 oz.

R 504. NET..........**2.45**

[illegible]EATHERS STYLUS GAUGE. Simple-to-[illegible], accurate measure of stylus [illegible]. Indicates stylus force in grams. [illegible]ted from 0 to 10 grams for extreme [illegible]. Shpg. wt., 5 oz.

R 232. NET..........**2.00**

M **WALCO STYLUS PRESSURE GAUGE.** Unique, easy-to-operate "microbalance" pressure gauge. Valuable aid for increasing record and stylus life. Uses laboratory-balance principle to achieve extreme accuracy from 2 to 10 grams. No springs or cams are employed. Simply set the correct weight for your cartridge (as recommended by the cartridge manufacturer) on the gauge. Then adjust the counterweight on pickup arm until arm is in balance. Shpg. wt., 6 oz.

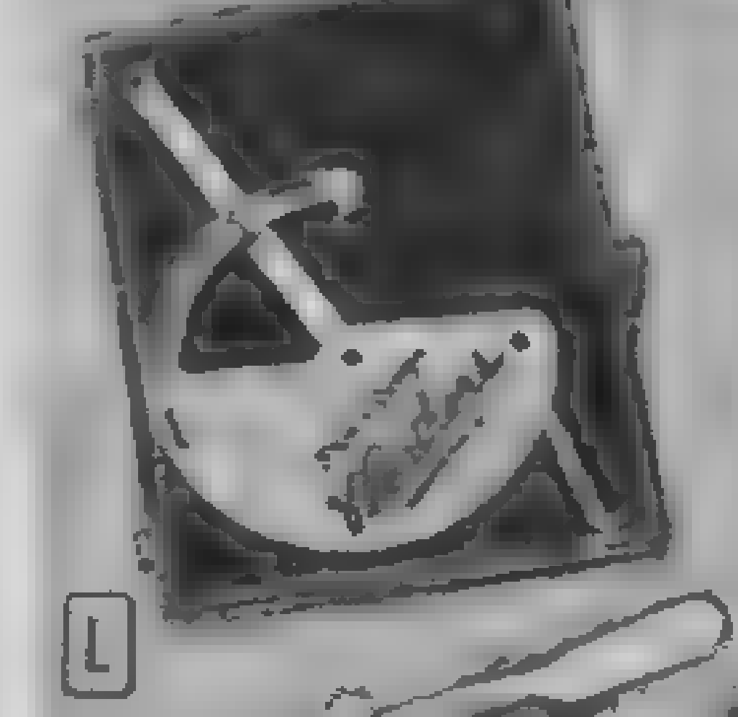
89 R 151. NET..........**1.00**

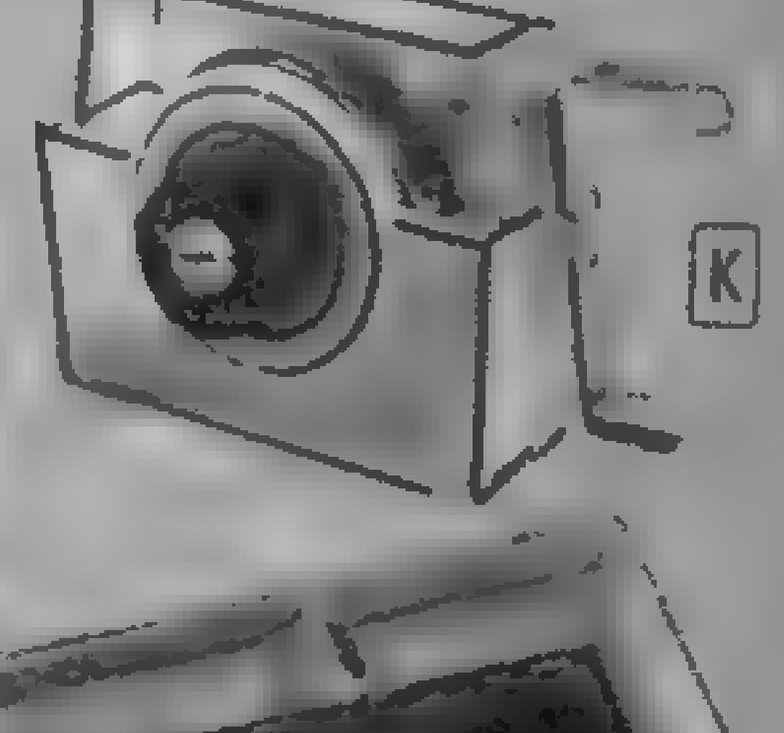
N **FEDTRO "MICRO-GRAM" STYLUS PRESSURE GAUGE.** Simple, fast, accurate instrument that uses system of weights and balances to determine exact stylus pressure. Imported from Japan. Shpg. wt., 8 oz.

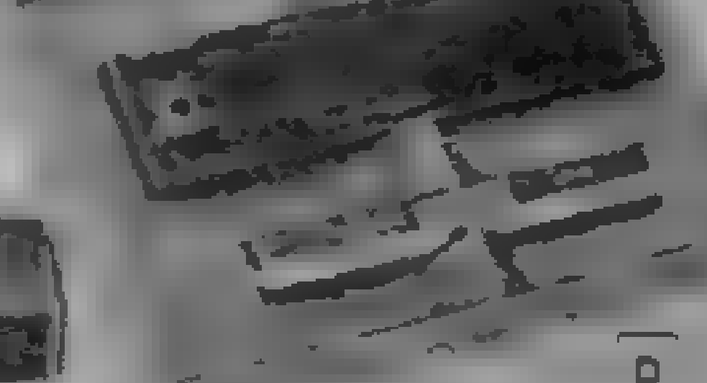
59 R 948. NET..........**1.98**

P **ESKIS BALANCED SOUND KIT.** Inexpensive and easy to use, this handy kit contains a quick reading stylus pressure gauge and a highly accurate turntable level. These two valuable phono accessories help preserve records—add to the life of the styli—improve fidelity. Pressure gauge enables user to quickly determine correct stylus pressure; level shows even slightest turntable tilt. Shpg. wt., 4 oz.

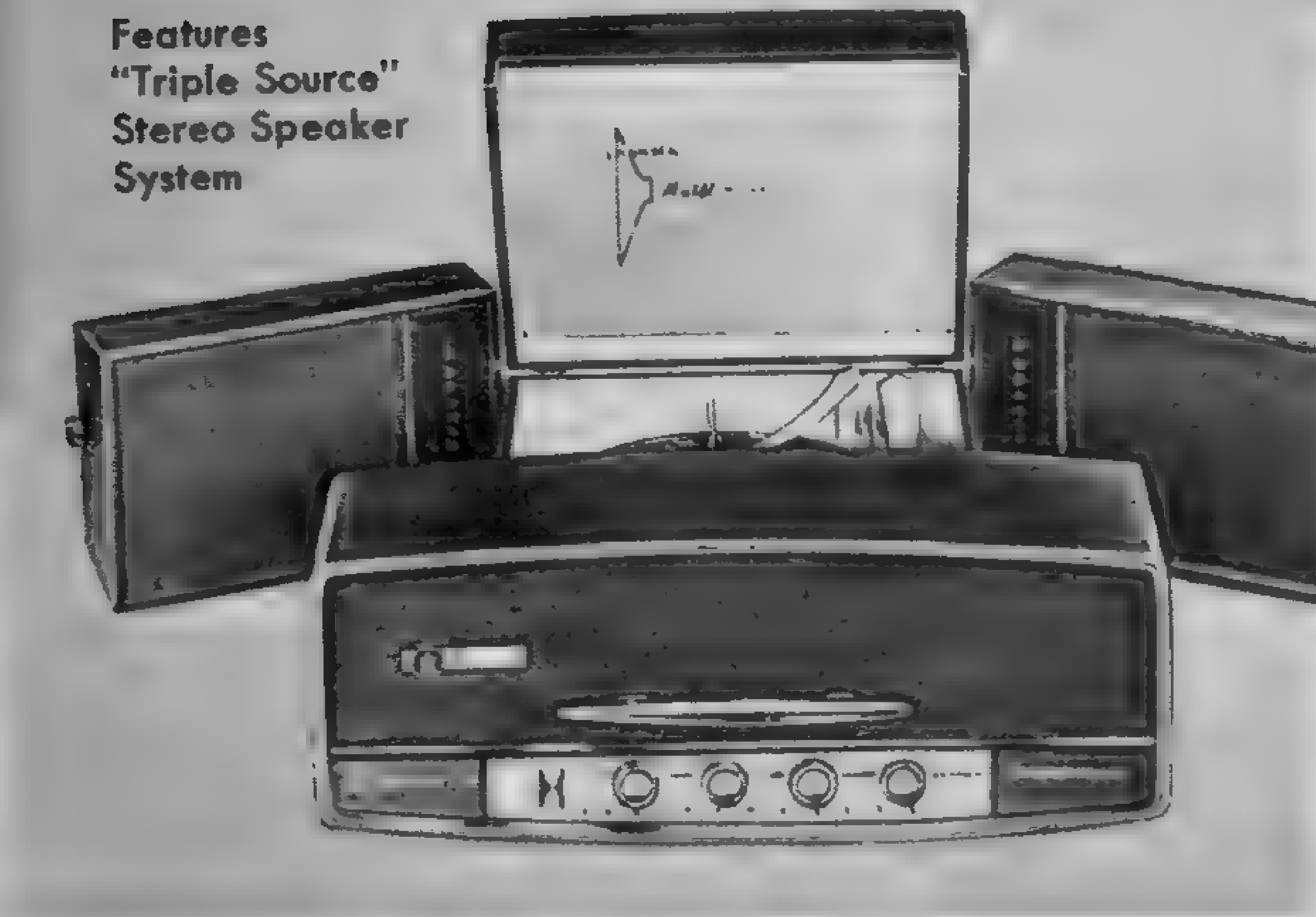
59 R 993. NET..........**98c**







Top Quality Portable Phonographs



Features "Triple Source" Stereo Speaker System

Includes 3 Speakers

Combination Phono, AM-FM Radio

Model 2260 Portable Stereo Phono

NET **$119.95** **$5 down**

Superbly styled deluxe portable stereo phono with "triple source" speaker system—one 8" speaker in main cabinet that reproduces low tones from each channel of the stereo record; two 6" speakers with 1¾" "whizzer" cones, each set in removable remote speaker cabinets that reproduce the medium and high tones of each stereo channel. Each of the remote speakers is equipped with 12-ft. of cable—allows up to 24 ft. of stereo spread without any "hole-in-the-middle." Vibration-free automatic record changer with heavy-duty motor and positive drive mechanism assures constant speed and rumble-free operation with all records. Plays 33⅓, 45 and 78 rpm discs plus 16⅔ rpm for "Talking-Book" records. Supplied with 45-rpm spindle.

Automatically intermixes 7", 10" and 12" records of the same speed—automatic shutoff after last record has played. Ceramic cartridge has turnover styli—diamond for LP's and sapphire for 78's. Amplifier rated at 10 watts, peak 20 watts. Wood cabinet is styled in contrasting smoke gray and silver tweed leatherette. Size of main unit: 9¼x25x19¾"; remotes each, 9¾x14x4½". U.L. Approved. For 110-120 volts, 60 cycle AC. Shpg. wt., 40 lbs.

89 RU 484. *Only $5 Down.* NET........................119.95

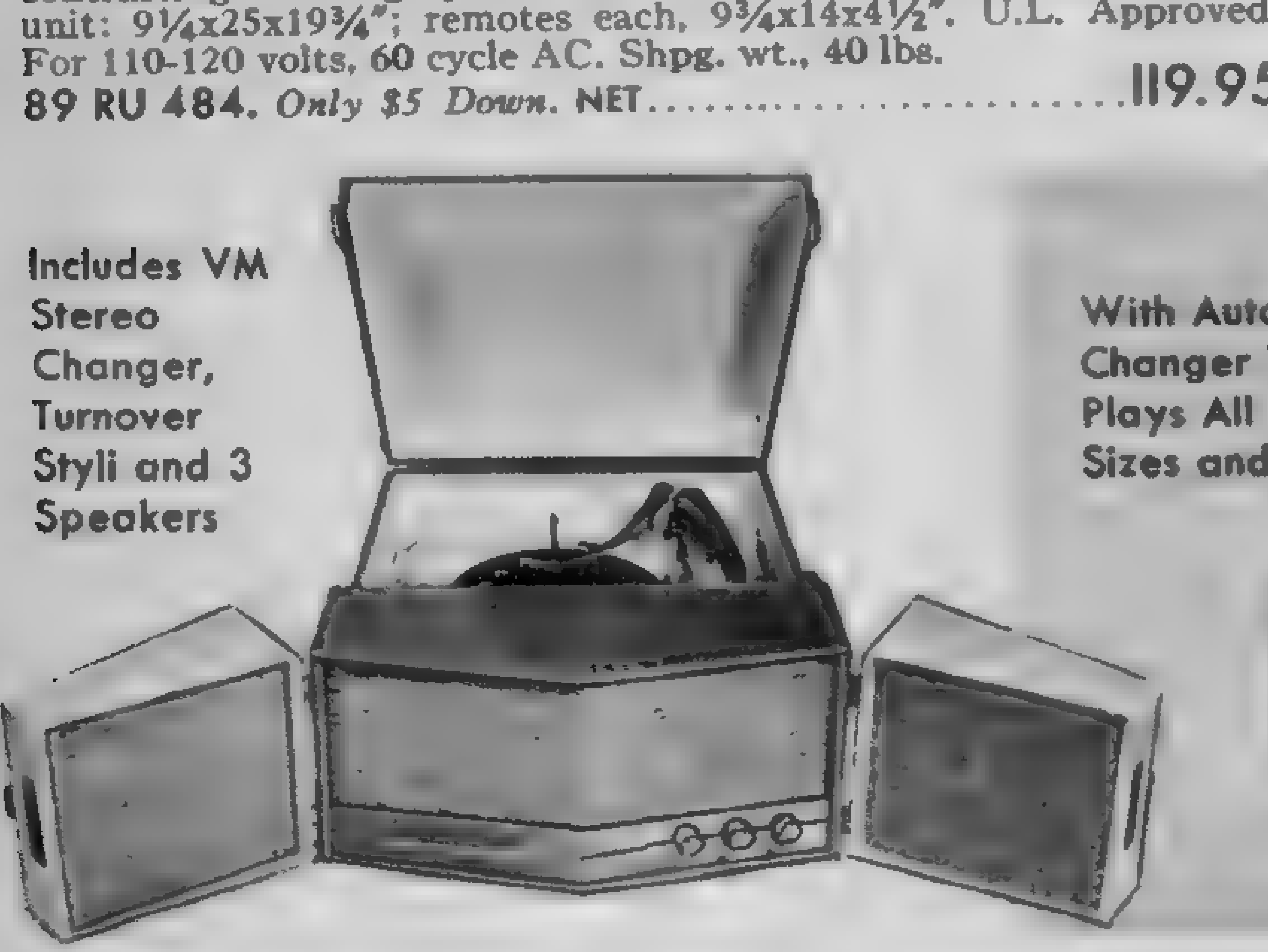
Model 2460 Stereo Phono—FM-AM Radio

NET **$149.95** **$5 down**

An extraordinary, portable entertainment cente
Consists of top-performing stereo phono with "trip
source" speaker system, plus FM-AM radio for you
choice of listening at any time, wherever you g
4-speed automatic changer plays 7", 10" and 12" re
ords—has flipover diamond and sapphire styli. A 6
speaker in main unit reproduces bass tones, tw
5¼" speakers with 1½" "whizzer" cones, each in remote cabine
smoothly reproduce all the highs. Each remote unit is equipped wit
12-ft. of cable—allows up to 24-ft. of stereo spread without an
disturbing "hole-in-the-middle" effect.

Highly sensitive radio gives sparkling clear reception on both A
and FM bands. Five controls allow exact settings to match you
taste. Dual volume control; dual tone control; stereo balance co
trol. Cabinet has unique design with hide-away remote speake
cabinets. Stylish, two-tone gray leatherette with gold accents woo
cabinet. Main unit is 8⅝" high, 23¼" wide and 19⅝" deep. Remot
speakers each, 6⅞" high, 7⅛" wide and 5½" deep. Supplied wit
45-rpm spindle. Underwriters Laboratories Approved. For opera
tion from 110-120 volts, 60 cycle AC. Shpg. wt., 40 lbs.

89 RU 485. *Only $5 Down.* NET.............................149.9



Includes VM Stereo Changer, Turnover Styli and 3 Speakers

With Automatic Changer That Plays All Sizes and Speeds

Plays All Speeds

MODEL 6023 STEREO PHONO

NET **$69.95** **$5 down**

Outstanding portable phono value featuring 3 speakers—6" woofer in main unit and 2—4" mid-range speakers in remote units. Top-quality VM automatic record changer plays all sizes and all 4 speeds. Intermixes 10 and 12" records of the same speed. Has turnover sapphire styli for best reproduction of LP's and 78's. 45-rpm spindle adapter is supplied.

Each of the remote speakers comes with 9-ft. of speaker cable—allows up to 18-ft. of stereo spread. Remote speakers may be left in case if desired. Stereo amplifier delivers amazingly realistic sound. Rated at 4½ watts; 9 watts peak. Loudness, tone and balance controls. Cabinet is attractively styled in complementing metallic green and ivory, enhanced by gold flecking. Size, 8¼" high, 18½" wide and 22" deep. For operation from 110-120 volts, 60 cycles AC. U.L. Approved. Shpg. wt., 30 lbs.

89 RU 487. *$5 Down.* NET.......69.95

4-SPEED MONOPHONIC PHONO

NET **$49.95** **$2 down**

Economy-priced automatic phonograph with two 4" speakers for excellent reproduction of monophonic records. Plays 16⅔, 33, 45 and 78 rpm records. Intermixes all record sizes of the same speed—changer automatically shuts off after final record has been played. Humidity-resistant crystal cartridge has turnover sapphire styli for best reproduction of both 78's and LP's. Compact and lightweight, unit can be carried from room to room easily. Cabinet is attractive French gray, blue and gold linen finish. Pyroxylin coated to resist water and scuffing. Case is wood with brass hardware and handle. Brass bumper feet allow setting unit down without fear of scratching. Tone and volume controls. Unit is 8¼" high, 14¼" wide and 17" deep. For operation from 110-120 volts, 60 cycle AC. U.L. Approved. Shpg. wt., 21 lbs.

89 RU 483. *$2 Down.* NET.......49.95

96 R 329. 45-rpm Spindle for Above....1.79

SINGLE-PLAY 4-SPEED PORTABLE

NET **$19.95** **$2 down**

Low-cost, portable, man
phonograph that's just ri
for the den, recreation ro
or children's room. Attr
tively styled unit plays 7
and 12" records at speed
16⅔, 33⅓, 45 and 78 r
Turntable has built-in adapter for 45-
records, as well as turntable mat that
tects against record slippage. Lightwe
pickup arm has turnover cartridge
individual sapphire styli for LP's and 7
Expertly designed amplifier provides c
clear sound with plenty of volume. H
quality, 4" Alnico V PM dynamic spea
delivers faithful sound reproduction.
On-Volume and Tone controls. Wash
case is two-tone red and white with sa
stitch top. Equipped with comfort-
handle for convenient carrying. Size,
high, 9½" wide and 12" deep. U.L.
proved. For operation from 110-120 v
60 cycle AC. Shpg. wt., 8 lbs.

89 RX 486. *$2 Down.* NET........19.

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TOP LABELS . . . TOP ARTISTS

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FREE!

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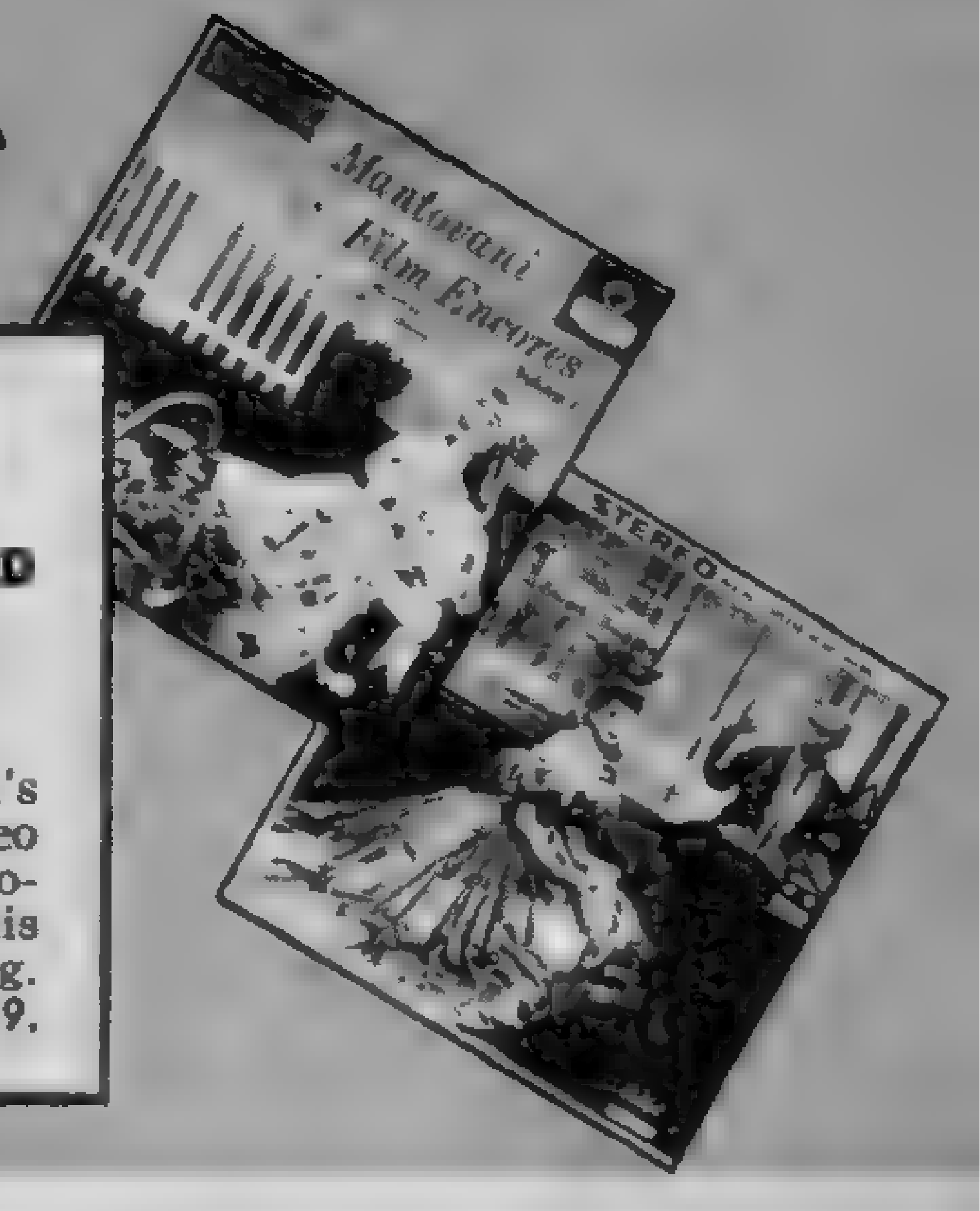

LONDON

Record No.	Record Title
PS 100	A JOURNEY INTO STEREO SOUND. Stereo demo with trains, etc.
PS 105	HIGH FI-ESTA. Edmundo Ros and Orchestra play dance music.
PS 106	GEMS FOREVER. Mantovani plays a dozen popular melodies.
PS 110	ROS ON BROADWAY. Edmundo Ros and Orchestra and show music.
PS 114	RHYTHMS OF THE SOUTH. Edmundo Ros with more Latin rhythms.
PS 117	ALL TIME TOP TWELVE. Ted Heath and a dozen standards.
PS 124	FILM ENCORES. Mantovani and Orchestra with music from Hollywood.
PS 133	CONCERT ENCORES. Mantovani and Orchestra with light classics.
PS 147	CONTINENTAL ENCORES. Mantovani plays all time pop hits.
PS 152	HOLLYWOOD CHA CHA CHA. Edmundo Ros and top dance music.
PS 157	ROS AT THE OPERA. Edmundo Ros plays famous operatic arias.
PS 176	THE ALL-TIME TOP TANGOS. Played by Stanley Black Orchestra.
PS 193	SONGS TO REMEMBER. Popular standards played by Mantovani.
PS 198	THE SOUND OF MUSIC. Edmundo Ros sets show music to various beats.
PS 203	ON THE BEACH. Frank Chacksfield plays music from films.

26 RR 750. *Specify Record No. and Title.* **NET EACH**........3.98

OSA 1303	GIORDANO: ANDREA CHENIER. Complete; with Renata Tebaldi; others.
OSA 1304	VERDI: IL TROVATORE. Complete; with Renata Tebaldi; others.
OSA 1305	BRITTEN: PETER GRIMES. Complete. Artists of Royal Opera House.
OSA 1307	BOITO: MEFISTOFELE. Complete; with Cesare Siepi, Tebaldi.
OSA 1309	WAGNER: DAS RHEINGOLD. Complete; K. Flagstad, George London.
OSA 1313	VERDI: AIDA. Complete; R. Tebaldi; Von Karajan conducting.

26 RR 752. *Specify Record No. and Title.* **NET EACH**........14.36

CS 6009	STRAVINSKY: PETRUSHKA. Complete ballet. Orchestre Suisse Romande.
CS 6017	STRAVINSKY: THE FIREBIRD. Complete ballet. Suisse Romande.
CS 6041	PIANO MUSIC OF CHOPIN. VOL. 2. Wilhelm Kempff, soloist.
CS 6049	GRIEG: PEER GYNT. Incidental music played by London Symphony.
CS 6052	TCHAIKOVSKY: SYM. NO. 6 "PATHETIQUE." Vienna Philharmonic.
CS 6089	ROSSINI: OVERTURES. Paris Conservatory Orchestra, Maag cond.
CS 6100	TCHAIKOVSKY: PIANO CONCERTO NO. 1. Vienna Philharmonic.
CS 6110	BRAHMS: SYMPHONY NO. 1. Vienna Philharmonic Orchestra.
CS 6127	TCHAIKOVSKY: SWAN LAKE. Highlights by Orchestre Suisse Romande.

26 RR 751. *Specify Record No. and Title.* **NET EACH**........4.76

STEREO FIDELITY

SF-9600	BOLERO AND SORCERER'S APPRENTICE. London Philharmonic Orch.
SF-9900	THE SOUL OF SPAIN. VOL. 2. The 101 Strings and light classics.
SF-10200	THE QUIET HOURS. The 101 Strings play music for relaxation.
SF-10500	EXOTIC ISLAND. Music and sound effects from the islands.
SF-10800	CONQUERORS OF THE AGES. Played by London Philharmonic Orch.
SF-10900	VICTORY AT SEA. Highlights from the award-winning TV score.
SF-11100	GAITE PARISIENNE. Le Ballet Francais Orchestra. P. Montiel.
SF-1800	RHAPSODY IN BLUE. Hamburg Philharmonia Orchestra.
SF-2000	STRAUSS WALTZES. Original scores played by the Danube Strings.
SF-2700	MY FAIR LADY & THE KING AND I. New World Theatre Orchestra.
SF-2800	AROUND THE WORLD IN 80 DAYS. Cinema Sound Stage Orchestra.
SF-4300	WORLD'S GREAT STANDARDS. Played by the 101 Strings.
SF-5400	SYMPHONY FOR GLENN. Standards played by Hamburg Philharmonia.
SF-6600	THE SOUL OF SPAIN. VOL. 1. The 101 Strings.
SF-7000	SONGS FROM THE SILVER SCREEN. The 101 Strings.
SF-77	THE MUSIC MAN AND SOUTH PACIFIC. Hollywood Sound Stage Orch.
SF-8200	WARSAW CONCERTO/NUTCRACKER SUITE. Paris Theatre Orchestra.
SF-8800	TV JAZZ THEMES. Private eye background music.
SF-9300	TORERO. Banda Corrida of Mexico City and bullring music.
SF-9500	GOLDEN AGE OF THE DANCE BANDS. Original big band arrangements.

26 RR 749. *Specify Record No. and Title.* **NET EACH**.........2.38

RCA

LSO-1000	THE DESERT SONG. Selections sung by Giorgio Tozzi, Kathy Barr.
LSO-1032	SOUTH PACIFIC. The original film soundtrack with M. Gaynor, etc.

26 RR 760. *Specify Record No. and Title.* **NET EACH**.........4.76

LSP-1001	MUSIC FOR RELAXATION. Played by the Melachrino Strings.
LSP-1479	MUCHO PUENTE. The infectious rhythms of Tito Puente Orchestra.
LSP-1522	THE NEW GLENN MILLER ORCHESTRA IN HI-FI. Ray McKinley Orch.
LSP-1677	HUGO WINTERHALTER GOES LATIN. Hugo Winterhalter and Orchestra.
LSP-1885	WHEN YOU COME TO THE END OF THE DAY. Perry Como sings.
LSP-1909	ARTHUR MURRAY'S MUSIC FOR DANCING.
LSP-2059	ALOHA FROM HAWAII. The Beachcombers and music from the islands.
LSP-2116	A GILBERT AND SULLIVAN SONGBOOK.
LSP-2155	ARTHUR MURRAY'S MUSIC FOR DANCING CHA CHA CHA.
LSP-2180	DOUBLE IMPACT. Buddy Morrow and his swinging Orchestra.

26 RR 761. *Specify Record No. and Title.* **NET EACH**.........3.98

LSC-2052	THE NUTCRACKER SUITE. Boston "Pops" Orch., Arthur Fiedler.
LSC-2208	SCHEHERAZADE. London Symphony Orchestra, Pierre Monteux.
LSC-2226	VICTORY AT SEA. VOL. 2. RCA Victor Symphony Orchestra.
LSC-2252	TCHAIKOVSKY: CONCERTO NO. 1. Van Cliburn, piano.
LSC-2338	FOR THE FIRST TIME. Vocals by the late Mario Lanza.
LSC-2345	1812 OVERTURE; BOLERO. Morton Gould Orchestra and Band.

26 RR 762. *Specify Record No. and Title.* **NET EACH**.........4.76

CAPITOL

Record No.	Record Title
ST-858	BLACK SATIN. The George Shearing Quintet and Orchestra.
ST-914	I WISH YOU LOVE. Romantic ballads sung by Keely Smith.
ST-932	RENDEZVOUS WITH KENTON. The screaming brass of Stan Kenton.
ST-963	SWINGING ON BROADWAY. The fabulous trumpet of Jonah Jones.
ST-1005	NEARER THE CROSS. Tennessee Ernie Ford sings spirituals.
ST-1068	THE BALLAD STYLE OF STAN KENTON. Stan Kenton Orchestra.
ST-1124	BLUE CHIFFON. George Shearing Quintet and Orchestra.
ST-1183	STEREO CONCERT—THE KINGSTON TRIO. America's favorite group.
ST-1237	SWINGIN' ROUND THE WORLD. More of Jonah Jones' trumpet.
ST-1258	HERE WE GO AGAIN! More folk music with the Kingston Trio.
ST-1306	THE SWEETEST WALTZES THIS SIDE OF HEAVEN. Guy Lombardo.

26 RR 743. *Specify Record No. and Title.* **NET EACH**.........3.98

SW-724	STAN KENTON IN HI-FI. The full Stan Kenton Orchestra.
SW-740	THE KING AND I. The Hollywood soundtrack version.
SW-845	FRED WARING AND THE PENNSYLVANIANS IN HI-FI. The Waring Chorale.
SW-859	VELVET BRASS. Jackie Gleason conducts his own arrangements.
SW-1062	THE STARS IN STEREO. Sampling of various popular Capitol albums.
SW-1069	COME DANCE WITH ME. Frank Sinatra sings a host of favorites.
SW-1221	NO ONE CARES. Frank Sinatra singing the blues.

26 RR 744. *Specify Record No. and Title.* **NET EACH** 4.76

SP-8342	GYPSY! Carmen Dragon and Orchestra play about Romany life.
SP-8347	GROFE: GRAND CANYON SUITE: MISSISSIPPI SUITE. Felix Slatkin, cond.
SP-8365	THE HOUSE OF THE LORD. Holy music with The Roger Wagner Chorale.
SP-8371	CHOPIN BY STARLIGHT. Leonard Pennario at the piano.
SP-8390	STARLIGHT CHORALE. More of the Roger Wagner Chorale.
SP-8405	OFFENBACH: GAITE PARISIENNE. Felix Slatkin conducting.
SP-8416	TCHAIKOVSKY: SWAN LAKE BALLET. Levine conducting.
SP-8441	GRIEG: PIANO CONCERTO; RACHMANINOFF: RHAPSODY. Leonard Pennario.

26 RR 745. *Specify Record No. and Title.* **NET EACH**.... ...4.76

SWAO-595	OKLAHOMA! The original film soundtrack with Gordon MacRae.
SWAO 990	MUSIC MAN. Original Broadway cast of this happy musical.

26 RR 738. *Specify Record No. and Title.* **NET EACH**.. ......5.56

COLUMBIA

CS 8001	'S AWFUL NICE. Ray Conniff Orchestra and Chorus.
CS 8004	SING ALONG WITH MITCH MILLER. The whole gang joins in.
CS 8014	BAUBLES, BANGLES AND BEADS. The Kirby Stone Four sing.
CS 8023	SWING SOFTLY. Johnny Mathis sings romantic ballads.
CS 8037	'S MARVELOUS. More of the Ray Conniff Orchestra and Chorus.
CS 8053	ELLINGTON INDIGOS. Duke Ellington plays his own compositions.
CS 8099	STILL MORE SING ALONG WITH MITCH MILLER.

26 RR 742. *Specify Record No. and Title.* **NET EACH** 3.98

MS 6019	LORD IS MY SHEPHERD. Religious. Mormon Tabernacle Choir.
MS 6023	PROKOFIEV: ROMEO AND JULIET BALLET. New York Philharmonic.
MS 6028	RED SHOES. St. Louis Symphony Orchestra, Golschmann conducting.
MS 6040	COPLAND: LINCOLN PORTRAIT. Carl Sandburg, narrator.
MS 6044	MARCHE SLAV, CAPRICCIO ITALIEN, NIGHT ON BALD MOUNTAIN. N.Y. Phil.

26 RR 741. *Specify Record No. and Title.* **NET EACH**.........4.76

OS 2001	WEST SIDE STORY. Original Broadway cast of hit musical.
OS 2009	FLOWER DRUM SONG. Original Broadway cast of R&H hit.
OS 2015	MY FAIR LADY. Rex Harrison, Julie Andrews and original cast.
OS 2016	PORGY AND BESS. Taken directly from the movie soundtrack.

26 RR 740. *Specify Record No. and Title.* **NET EACH**.........4.76

VERVE

VS-6000	LIKE SOMEONE IN LOVE. Romantic ballads by Ella Fitzgerald.
VS-6002	ANITA O'DAY SINGS THE WINNERS. Top female jazz stylist.
VS-6008	GENE KRUPA PLAYS GERRY MULLIGAN ARRANGEMENTS.
VS-6026	ELLA FITZGERALD AT THE OPERA HOUSE. On the spot recording.
VS-6042	BIG NOISE FROM WINNETKA. Gene Krupa on the drums.
VS-6043	ANITA O'DAY AT MISTER KELLY'S. Recorded at Chicago nite spot.
VS-6052	ELLA FITZGERALD SINGS THE IRVING BERLIN SONGBOOK.
VS-6060	OSCAR PETERSON PLAYS MY FAIR LADY. Jazz impressions by a master.
VS-6099	THE WONDERFUL WORLD OF JONATHAN WINTERS. Riotous comedy.
VS-6106	INSIDE SHELLY BERMAN. Hilarious best-selling album.
VS-6107	OUTSIDE SHELLY BERMAN. More hilarious monologs.
VS-6109	SIDE BY SIDE. Duke Ellington and Johnny Hodges, saxophonist.

26 RR 717. *Specify Record No. and Title.* **NET EACH**........4.76

LIBERTY

LST-7001	FORBIDDEN ISLAND. The exotic sounds of the Martin Denny Group.
LST-7004	JULIE. Julie London sings a dozen popular standards.
LST-7023	PRIMITIVA. More of the exotic sounds of Martin Denny.
LST-7034	EXOTICA. Martin Denny plays "Quiet Village," 11 others.
LST-7122	QUIET VILLAGE. Martin Denny plays title song, 12 others.
LST-7132	LET'S ALL SING WITH THE CHIPMUNKS. David Seville and friends.
LST-7137	AFRO CAN-CAN. Jack Costanzo at the bongos with orchestra.
LST-7150	FANTASTIC PERCUSSION. Orchestra conducted by Felix Slatkin.
LST-7151	THE FRANZ LISZT STORY. The piano and Orchestra of Felix Slatkin.

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26 R 799. Model A-100 Adapter. Fits any record player—converts 33⅓-rpm speed to 16⅔. No wiring. 1 lb. NET 1.40

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GREAT TALES AND POEMS OF EDGAR ALLAN POE. 8 complete stories, plus poems. (4 records)	1	GL-600	26 RR 792	3.2
FAMOUS POEMS. 74 best loved poems for family enjoyment. Read by Marvin Miller. (4 records)	1	GL-601	26 RR 792	3.2
THE BEST OF MARK TWAIN. 17 hilarious stories and sketches. Read by Marvin Miller. (4 records)	1	GL-602	26 RR 792	3.2
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THE WRITINGS AND SPEECHES OF ABRAHAM LINCOLN. Read by Raymond Massey. (8 records)	2	GL-612	26 RR 789	5.9
JOSEPH CONRAD'S HEART OF DARKNESS. Distinguished reading by Dan O'Herlihy. (5 records)	1¼	GL-613	26 RR 791	3.9
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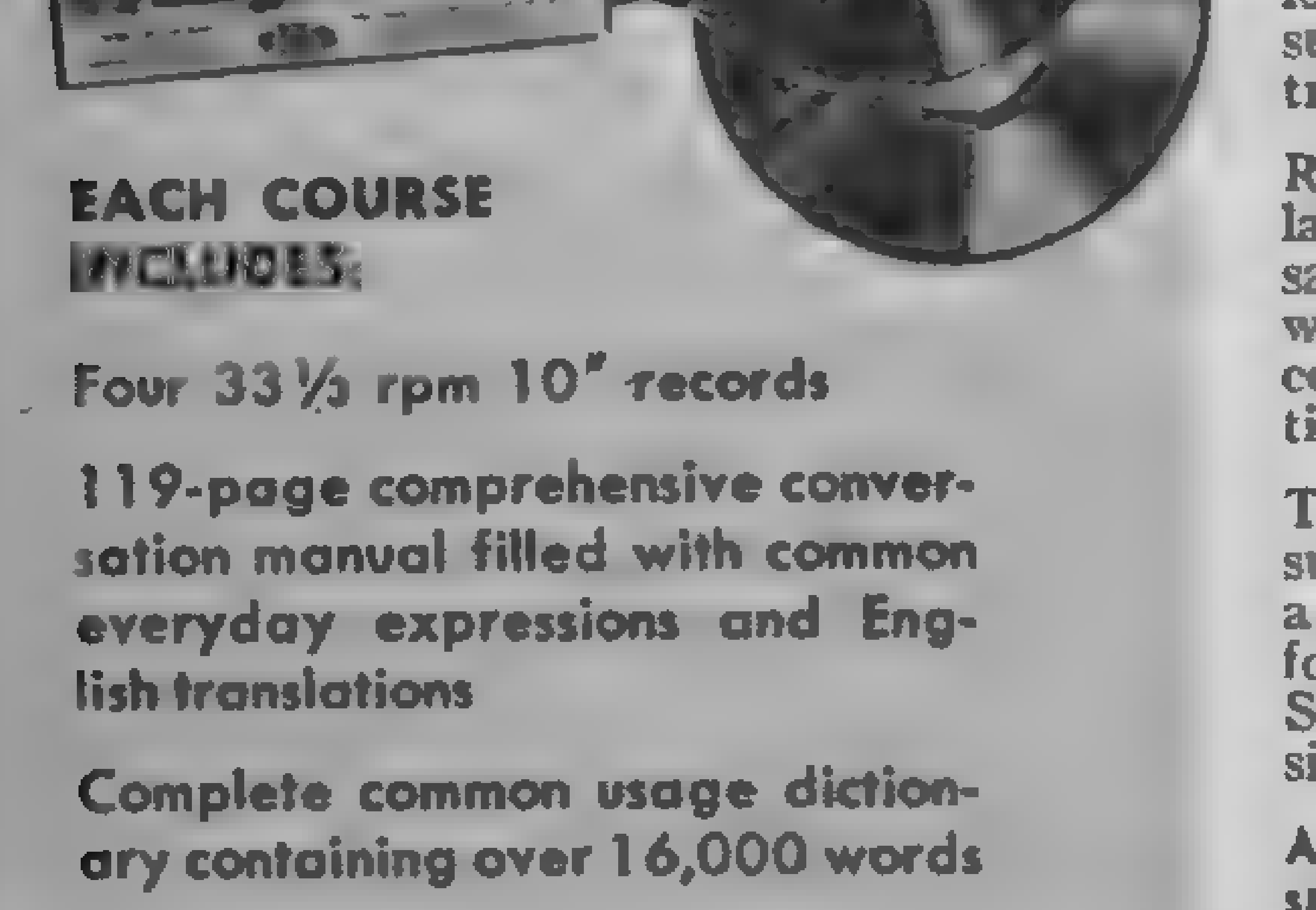

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STEREO TAPE AND RECORD CATALOG

The tapes on this page are a sampling of our large selection of 4-track stereo tapes. For a complete listing of tapes and records, get Allied's Catalog of Stereo Tapes and Records. It's free. Ask for Stock No. 26 RR 999.

LONDON

No.	Tape Title
006	PETRUSHKA; LE SACRE DU PRINTEMPS. Orchestre de la Suisse Romande.
007	BEETHOVEN: PIANO CONCERTOS 3&4. Vienna Philharmonic Orchestra.
008	DVORAK: SYMPHONIES NO. 2 & NO. 5. Vienna Philharmonic Orchestra.
028	SWAN LAKE BALLET. Orchestre de la Suisse Romande, Ansermet.

RR 879. *Specify Tape No. and Title.* List, $11.95. **NET EACH 9.56**

No.	Tape Title
010	FALLA: NIGHTS IN THE GARDEN OF SPAIN; RODRIGO: GUITAR CONCERTO.
012	BERLIOZ: SYMPHONIE FANTASTIQUE. Paris Conservatory Orchestra.
013	DEBUSSY: LA MER; PRELUDE TO THE AFTERNOON OF A FAUN, etc.
014	RIMSKY-KORSAKOV: CAPRICCIO ESPAGNOL; GRANADOS: ANDALUZA; CHABRIER: ESPANA; MOSZKOWSKI: SPANISH DANCES. Played by London Symphony Orchestra.
015	VIENNESE BONBONS. Waltzes played by the Vienna Philharmonic.
016	THIS IS VIENNA. More waltzes with the Vienna Philharmonic.
019	1812 OVERTURE; CAPRICCIO ITALIEN. London Symphony Orchestra.
020	GRIEG: PEER GYNT. London Symphony Orchestra, Fjeldstad conducting.
034	RAVEL: COMPLETE DAPHNIS & CHLOE. London Symphony Orch. & Chorus.

RR 878. *Specify Tape No. and Title.* List, $7.95. **NET EACH 6.36**

No.	Tape Title
0001	THE MIKADO. D'Oyly Carte Opera Co. Complete Opera.
0002	THE PIRATES OF PENZANCE. D'Oyly Carte Opera Co. Complete opera.
0003	LEHAR: THE MERRY WIDOW. Vienna State Chorus & Orchestra.

RR 881. *Specify Tape No. and Title.* List, $12.95. **NET EACH 10.36**

No.	Tape Title
013	PUCCINI: MADAME BUTTERFLY. Highlights with Renata Tebaldi.

RR 880. *Specify Tape No. and Title.* List, $7.95. **NET EACH 6.36**

No.	Tape Title
003	FILM ENCORES. Mantovani plays popular music from the films.
006	HOLLYWOOD ALMANAC. Frank Chacksfield and His Orchestra.

RR 877. *Specify Tape No. and Title.* List, $11.95. **NET EACH 9.56**

No.	Tape Title
001	GEMS FOREVER. Standards played by Mantovani and His Orchestra.
005	AN EVENING IN PARIS; AN EVENING IN ROME. Frank Chacksfield.
007	HITS I MISSED. Ted Heath plays 11 popular favorites.
008	ALL TIME TOP TWELVE. Played by Ted Heath and His Orchestra.
010	CUBAN MOONLIGHT. Stanley Black Orchestra and Latin rhythms.
011	CASH BOX INSTRUMENTAL HITS. Stanley Black and His Orchestra.
012	ROS ON BROADWAY. Edmundo Ros adds a Latin flavor to show music.
013	RHYTHMS OF THE SOUTH. Edmundo Ros and His Orchestra.
014	HOLLYWOOD CHA CHA CHA. Edmundo Ros plays film music.
016	FAMOUS MARCHES OF SOUSA. Band of the Grenadier Guards.

RR 876. *Specify Tape No. and Title.* List, $6.95. **NET EACH 5.56**

BEL CANTO

No.	Tape Title
	HAWAIIAN LUAU. Sung and played by the Polynesians.
	SOUTH PACIFIC. Hollywood Sound Stage Chorus and Orchestra.
	HIGH NOON CHA CHA CHA. Si Zentner plays film favorites.
	NEW SOUNDS OF ORRIN TUCKER. Orrin Tucker and his Orchestra.
	SOUL OF SPAIN. The 101 Strings play Latin music.
	CONCERTO UNDER THE STARS. The 101 Strings play light classics.
	SONGS FROM THE SILVER SCREEN. The 101 Strings and film music.
	VICTORY AT SEA. Highlights from the award-winning TV score.
	GAITE PARISIENNE. Le Ballet Francais Orch., P. Montiel cond.
	THE GREAT STANDARDS. All time hits played by 101 Strings.
	1812 OVERTURE; CAPRICCIO ITALIEN. Nord Deutches Orchestra.
	GRAND CANYON SUITE. The 101 Strings play the music of Grofé.
	THE QUIET HOURS. Light classics played by the 101 Strings.
	THE GOLDEN AGE OF DANCE BANDS. Original big band arrangements.
	TORERO. Music of the bullring by the Banda Corrida.
	CONQUERORS OF THE AGES. The London Philharmonic Orchestra.

RR 893. *Specify Tape No. and Title.* List, $6.95. **NET EACH 5.22**

No.	Tape Title
	SYMPHONY FOR GLENN. Miller music by the Hamburg Philharmonia.
	AROUND THE WORLD IN 80 DAYS. Music from the original score.
	LAWRENCE WELK—MR. MUSIC MAKER. A potpourri of dance music.
	BILLY VAUGHN PLAYS THE MILLION SELLERS. Thirteen pop tunes.
	STARDUST—PAT BOONE. A collection of romantic standards.
	BLUE HAWAII. Billy Vaughn plays music from the islands.
	SAIL ALONG SILV'RY MOON. Billy Vaughn and his Orchestra.
	THE FIVE PENNIES. Danny Kaye, Louis Armstrong. Sound track.
	LOUIS AND KEELY. Louis Prima and Keely Smith do favorites.
	GOLDEN SAXOPHONES. Pop favorites played by Billy Vaughn Orch.
	THEME FROM SUMMER PLACE. Billy Vaughn and Orchestra.

RR 894. *Specify Tape No. and Title.* List, $7.95. **NET EACH 5.96**

No.	Tape Title
	EXOTICA-I. The sounds of Martin Denny and his group.
	EXOTICA-II. More of the popular sounds of Martin Denny.
	EXOTICA-III. By popular demand—more of Martin Denny.
	QUIET VILLAGE. Original fame-launching recording by Martin Denny.
	JULIE IS HER NAME. Ballads sung by Julie London.
	HOT CHA CHA CHA. Don Swan and his Orchestra.

RR 882. *Specify Tape No. and Title.* List, $7.95. **NET EACH 5.96**

AUDIO FIDELITY

Tape No.	Tape Title
1825-4	MALLET MAGIC. Harry Breuer and his Quintet and novelties.
1830-4	JOHNNY PULEO & HARMONICA GANG. Peg O' My Heart, 12th St. Rag, etc.
1835-4	BULLRING! LA FIESTA BRAVA. Banda Taurina of Mexico City.
1836-4	AMERICAN MILITARY MARCHES. Banda Taurina of Mexico City.
1838-4	TANGO. Pedro Garcia and the Del Prado Orchestra.
1843-4	RAILROAD. Variety of steam and diesel locomotive sounds.
1844-4	LEON BERRY AT THE GIANT WURLITZER PIPE ORGAN. VOLUME 3.
1849-4	LIONEL. The world's greatest, Lionel Hampton on vibes.
1851-4	THE MARCHING DUKES OF DIXIELAND. VOLUME 3.
1860-4	BOURBON ST. DUKES OF DIXIELAND. VOLUME 4.

26 RR 875. *Specify Tape No. and Title.* List, $8.95. **NET EACH 6.95**

VERVE

Tape No.	Tape Title
201	LIKE SOMEONE IN LOVE. Ella Fitzgerald sings romantic ballads.
204	THE GREATEST. The dynamic rhythm of the Count Basie Orchestra.
208	LOUIS UNDER STARS. Trumpeter Louis Armstrong and Orchestra.
210	MY FAIR LADY. Jazz impressions by Oscar Peterson, piano.
211	HAVE TRUMPET, WILL EXCITE. The frantic sounds of Dizzy Gillespie.
213	LOUIS ARMSTRONG MEETS OSCAR PETERSON.
215	ELLA FITZGERALD SINGS GERSHWIN, VOLUME I.
216	ELLA FITZGERALD SINGS GERSHWIN, VOLUME II.
220	ANITA O'DAY SWINGS COLE PORTER. Anita O'Day, vocal; Billy May, Orch.
222	ELLA SWINGS LIGHTLY. The wonderful voice of Ella Fitzgerald.

26 RR 871. *Specify Tape No. and Title.* List, $7.95. **NET EACH 5.96**

Tape No.	Tape Title
203	ELLA FITZGERALD SINGS THE IRVING BERLIN SONGBOOK.
205	ELLA FITZGERALD SINGS THE RODGERS AND HART SONGBOOK.
206	PORGY AND BESS. Ella Fitzgerald and Louis Armstrong.

26 RR 870. *Specify Tape No. and Title.* List, $11.95. **NET EACH 8.98**

OMEGATAPE

Tape No.	Tape Title
SST-802	MUSIC FROM PETER GUNN. Played by the Ted Nash Orchestra.
SST-803	FLOWER DRUM SONG. Hollywood Radio City Orchestra and Singers.
SST-805	MY FAIR LADY. Hollywood Radio City Orchestra and Singers.
SST-806	STRAUSS WALTZES AND POLKAS. Vienna State Opera Orch; Boy's Choir.
SST-807	FLAMENCOS BY LAURINDO ALMEIDA. Played by Jose Barroso.
SST-810	HAWAIIAN ENCHANTMENT FOR DANCING. George Poole Orchestra.
SST-813	SALUTE TO BENNY GOODMAN. Played by members of the Goodman Orch.
SST-814	SYMPHONY OF THE GOLDEN WEST. Buddy Bregman Orch.
SST-817	A TRIBUTE TO CHARLEY BARNET. Members of the Barnet Orchestra.
SST-818	PINK CHAMPAGNE FOR DANCING. Lloyd Mumm and His Starlight Roof Orch
SST-819	THE SOUND OF MUSIC. Al Goodman Orchestra and Children's Chorus.
SST-820	PORGY AND BESS. Hollywood Radio City Orchestra and Singers.
SST-825	THE MUSIC MAN. Hollywood Radio City Orchestra and Singers.
SST-827	AROUND THE WORLD IN 80 DAYS. Played by the Omega Orchestra.
SST-839	GERSHWIN: AN AMERICAN IN PARIS; RHAPSODY IN BLUE. London Pops.
SST-844	POLKA TIME. Paul Paulaski and His Polka Dots.
SST-845	GROFE: GRAND CANYON SUITE. London Pops Orchestra.
SST-847	THE MUSIC OF LEROY ANDERSON. London Pops Symphony Orchestra.

26 RR 883. *Specify Tape No. and Title.* List, $6.95. **NET EACH 5.22**

Tape No.	Tape Title
ST-4001	THE GLENN MILLER SOUND. Members of the Miller Orch. and Bay Big Band.
ST-4003	LATIN HEAT WITH A LATIN BEAT. The Francis Bay Orchestra.
ST-4005	STEREO DANCE TIME. Shep Fields and his Rippling Rhythm.
ST-4006	A TOAST TO TOMMY DORSEY IN STEREO. Members of the Dorsey Orch.
ST-4009	SYMPHONY OF THE SEA & SYMPHONY OF THE BLUES. Brussels' Fair Orch.
ST-4010	MY FAIR LADY & GIGI. Hollywood Radio City Orchestra and Singers.
ST-4011	PETER GUNN AND MORE PETER GUNN. Ted Nash and Pete Condoli play.
ST-4012	STRINGS AROUND THE WORLD. Brussels' Fair Orch; London Pops.
ST-4014	GLENN MILLER—A MUSICAL MEMORY. Tex Morgan Orchestra.

26 RR 898. *Specify Tape No. and Title.* List, $9.95. **NET EACH 7.48**

KAPP

Tape No.	Tape Title
41000	BROADWAY IN STEREO. Jane Morgan sings hits from the shows.
41002	NEAR YOU. Roger Williams at the piano, with orchestra.
41003	FLOWER DRUM SONG. David Carroll and instrumental version of show.
41004	DAY RAINS CAME. Jane Morgan sings popular hits.
41006	HOLLYWOOD THEMES IN STEREO. The Frank Hunter Orchestra.
41008	RHAPSODY IN BLUE. Roger Williams, piano, and orchestra.
41013	DANCE WITH LARRY CLINTON. Recent popular hits.
41015	MORE OF THE FABULOUS FIFTIES. Roger Williams at the piano.
41016	JANE IN SPAIN. Jane Morgan sings music with a Latin beat.
41017	HAWAII IN STEREO. Sam Makia and the Makapuu Beach Boys.
41021	THE SOUND OF MUSIC. Selections sung by the Pete King Chorale.

26 RR 873. *Specify Tape No. and Title.* List, $7.95. **NET EACH 5.96**

Tape No.	Tape Title
45003	FABULOUS FORTIES. Roger Williams plays top music of the era.
45004	FABULOUS THIRTIES. David Rose and Orchestra with old favorites.
45006	FABULOUS CENTURY. Roger Williams plays 20th century pop music.
45007	NUTCRACKER SUITE. New York City Ballet Orchestra.

26 RR 874. *Specify Tape No. and Title.* List, $11.95. **NET EACH 8.98**

KNIGHT ALL-NEW VALUE-PACKED TAPE RECORDERS

GUARANTEED FOR ONE FULL YEAR

Complete in Easy-to-Carry Case

- Record Safety Interlock to Prevent Accidental Erasure
- Numerical Tape Footage Counter Plus Neon Recording Level Indicator
- Mocha Brown Case with Roomy Storage Compartment; Weighs Only 19 Pounds!
- Fast, Drop-In Tape Threading

Lowest-Cost Tape Recorder with 2 & 4-Track Stereo Playback Feature

ONLY

$104⁵⁰

$5 down

Records and Plays Monophonically at 3¾ and 7½ ips Speeds

Plays Stereo Tapes Through Any 2nd Channel—Hi-Fi Set, KN-4150, etc.

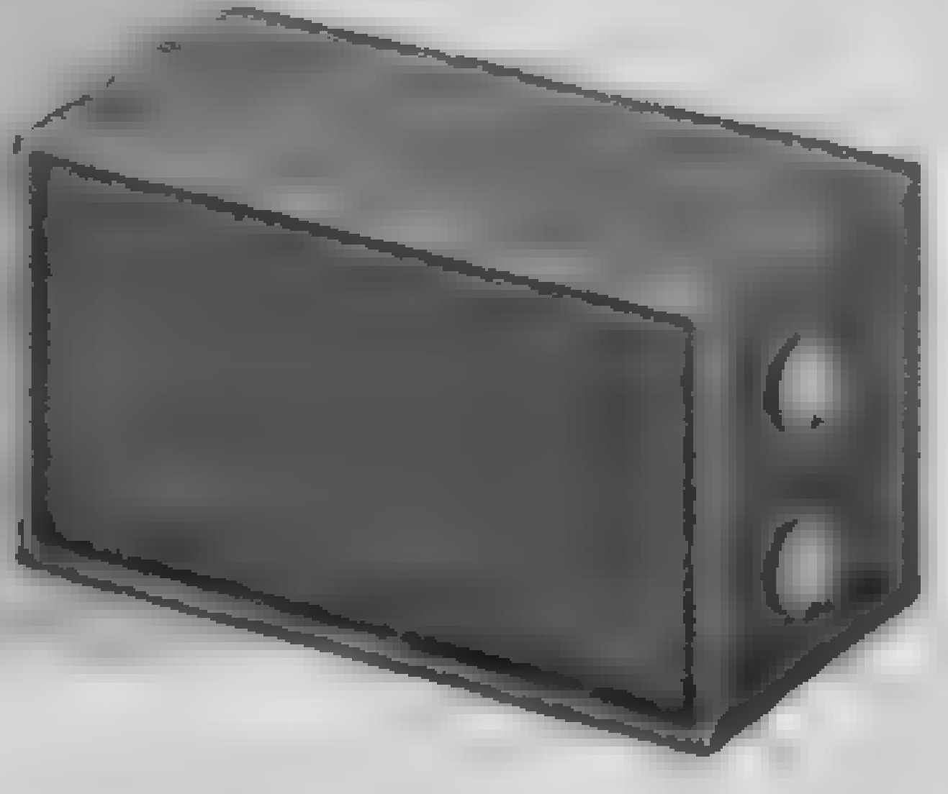
Easy to operate, and with a host of precision features, the new KN-4100 offers 2-speed monophonic recording and playback, plus built-in stereo preamp. Use it as a stereo tape deck to play stereo tapes through your stereo system. Use its powerful 6-watt amplifier and built-in speakers (5" woofer, 4" tweeter, electrical crossover) as one channel of sound, and the KN-4150 below, or your monophonic hi-fi system, TV set, etc., as your second channel of sound.

Slower 3¾" speed is just right for recording lengthy speeches, conferences, lectures, etc.; 7½" speed enables you to record music with hi-fi response. Tone control adjusts sound from crisp, brilliant speech to rich, full-bodied musical reproduction. Single, easy-to-use lever selects "Play-Idle-Record" functions; lever control for rewind locks in. *2 Output Jacks:* for external speaker system; for external amplifier. *Response:* 50 to 10,000 cps. *Wow & Flutter:* less than 0.3%. *S/N Ratio:* 40 db. Size, 8x11⅝x15". With mike, 7" reel of tape, 7" take-up reel. Made in U.S For 110-120 v., 60 cycle AC. Shpg. wt., 24 lbs.

35 DU 711. *Only $5 Down.* **NET**............**104.50**

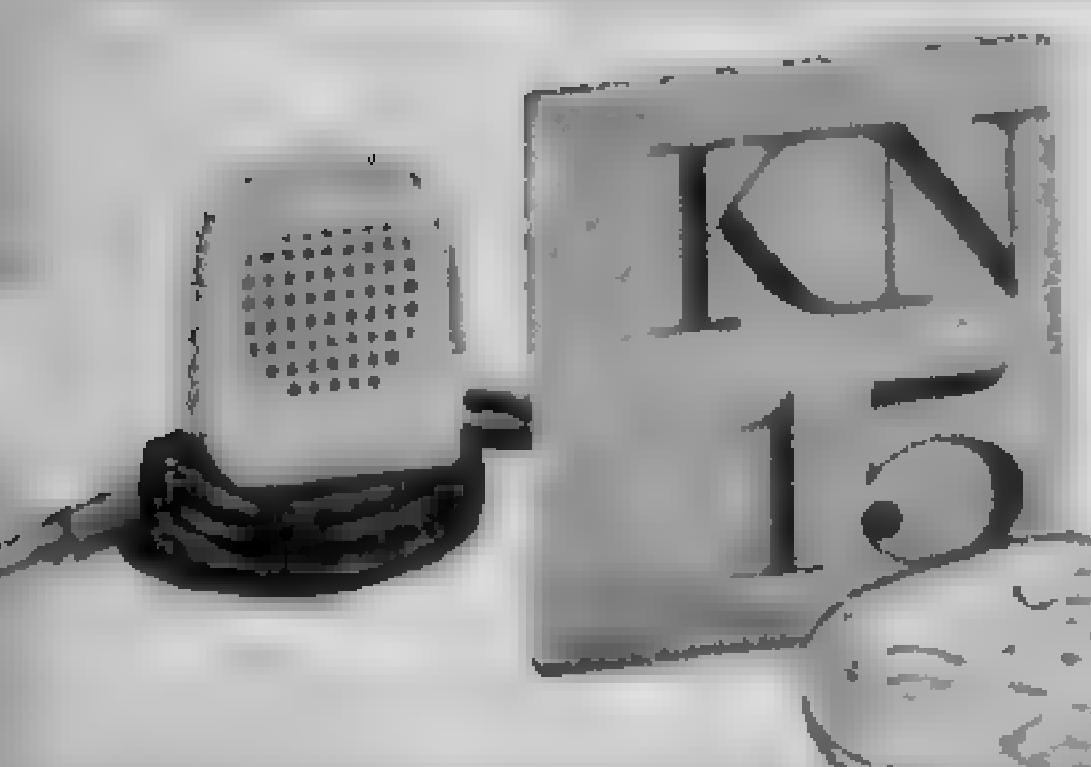
Matching Amplifier-Speaker

FOR STEREO TAPE PLAYBACK



MODEL KN-4150. Use with the KN-410 to form the second channel of sound Built-in 5" woofer and 4" tweeter; volume and tone controls. With cable. Wt., 6 lbs.

35 DU 712. *$2 Down.* **NET**.......**22.5**



INCLUDES MIKE, TAPE, SPARE REEL AT NO EXTRA COST

Supreme Value KN-4025 2-Speed Monophonic Tape Recorder

ONLY

$86⁹⁵

$5 down

No other monophonic tape recorder i this price range offers so much in fide ity of sound, first-rate features, an rugged, dependable operation! The KN-4025 is portable . . . beautifully style . . . and a genuine pleasure to use. I offers you: two fingertip-selecte speeds, 3¾ and 7½ ips; 6-watt amplifier; separat volume and tone controls; built-in 5" woofer and 4 tweeter with electrical crossover; input jack for recording from mike, radio, TV set or phonograp output jack for playback through external speaker fast wind and fast rewind with lock-in rewind position; single-lever control for "Play-Idle-Record functions; and tape guide post to assure proper tap alignment. Takes reels to 7"—gives you extra-lon playing time at 3¾" speed. *Response:* 50 to 10,00 cps. *Wow & Flutter:* less than 0.3%. *Signal-to-Nois Ratio:* 40 db. Size, 8x11⅝x15". Complete with mike 7" reel of tape, and 7" take-up reel. Made in U.S For operation from 110-120 volts, 60 cycle AC Carrying wt., 19 lbs. Shpg. wt., 24 lbs.

35 DU 710. *Only $5 Down.* **NET**............**86.9**

GUARANTEED FOR ONE FULL YEAR

- Accurate Neon Light Recording Level Indicator
- Pushbutton Record Interlock Prevents Accidental Erasure
- Luggage-Type Carrying Case

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MONEY-SAVING, HIGH-QUALITY UNITS FOR ALL RECORDING REQUIREMENTS

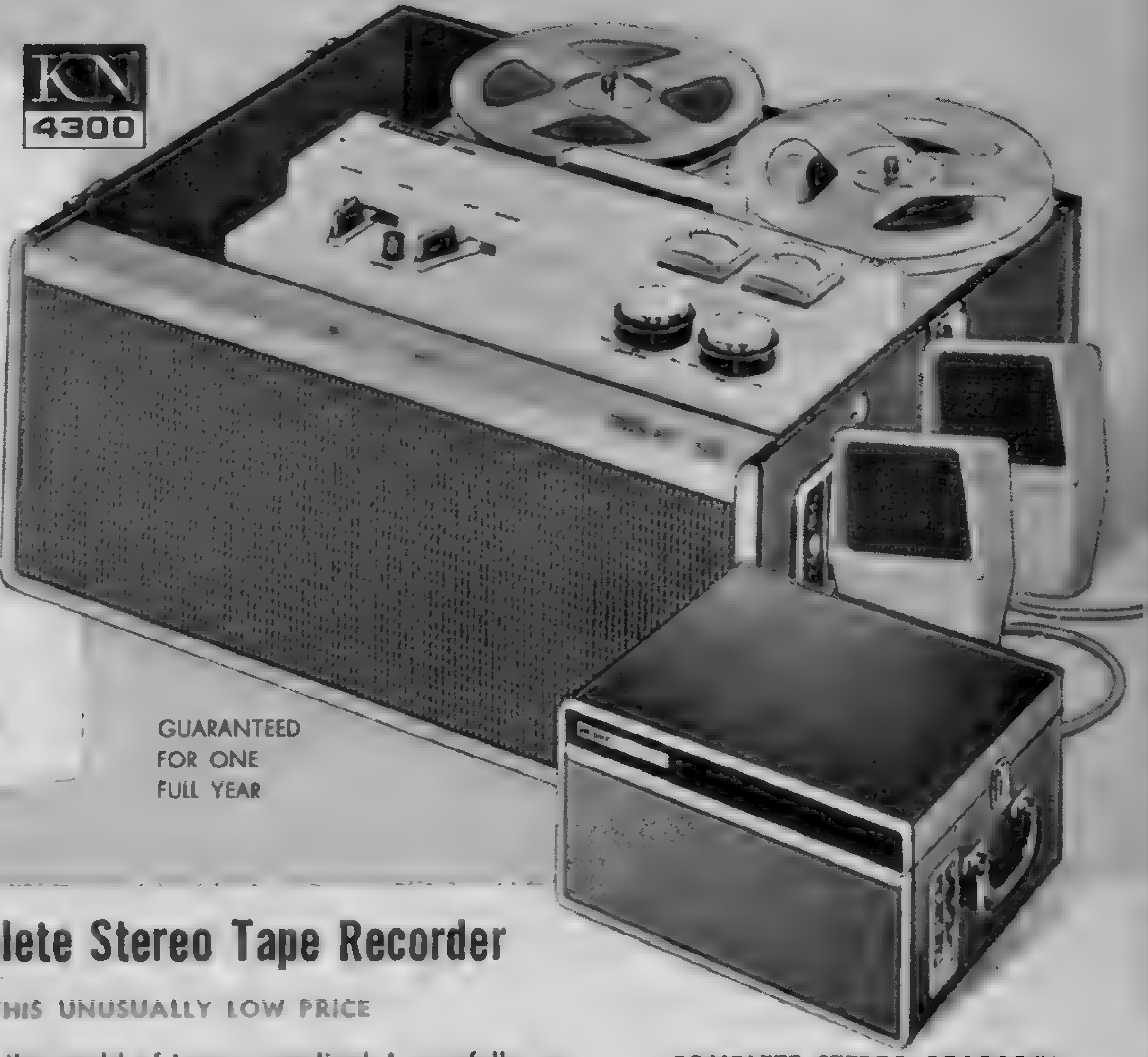
SENSATIONAL ALL-NEW COMPLETE TAPE RECORDER

- ✓ **Records Stereo**
- ✓ **Plays Stereo**

RECORDS, PLAYS BACK MONOPHONICALLY, TOO!

2 AMPLIFIERS
SPEAKERS
MICROPHONES
VU METERS

ALL IN A SINGLE CASE



GUARANTEED
FOR ONE
FULL YEAR

Model KN-4300 Complete Stereo Tape Recorder

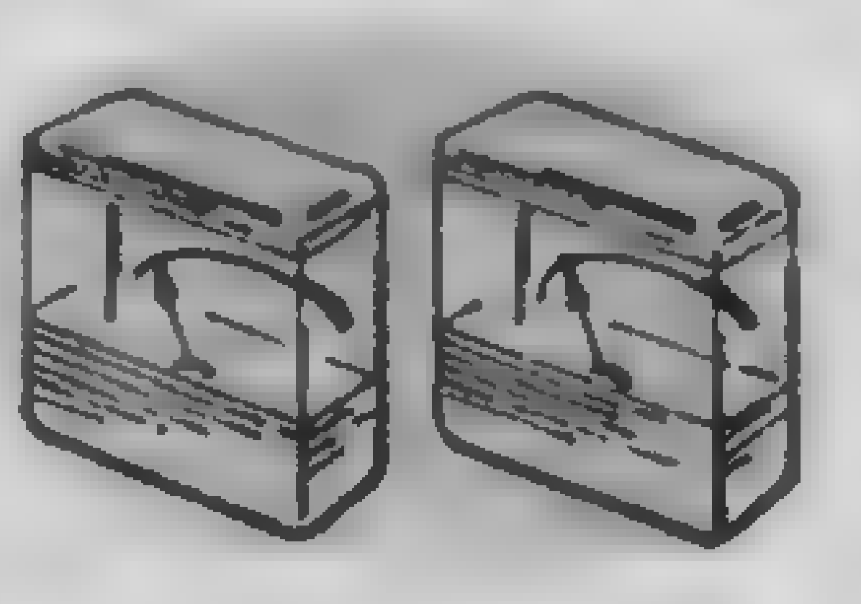
HAS NO EQUAL AT THIS UNUSUALLY LOW PRICE

ONLY
$249.95
$10 down

First time in the world of tape recording! A carefully engineered, precision hi-fi instrument, the KN-4300 gives you every recording facility . . . and offers more in features and performance, than any other tape recorder in this price range. It is actually a complete tape recording studio in a carry-about case!

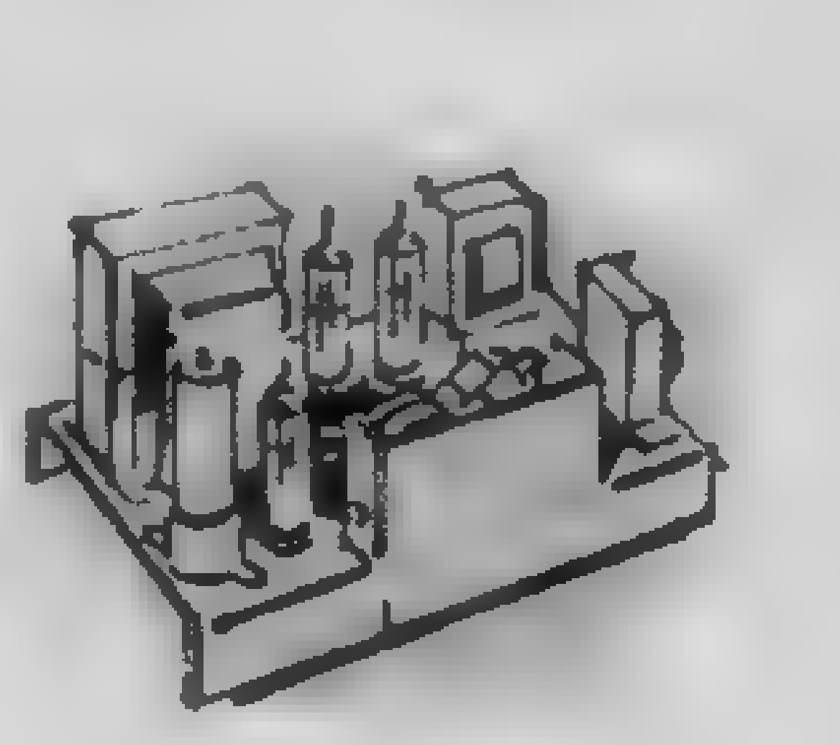
COMPLETE STEREO RECORDER
2-track and 4-track stereo recording and playback at all 3 speeds—1⅞, 3¾ or 7½ ips; plus 2-track monophonic recording/playback!

ual Illuminated VU Meters



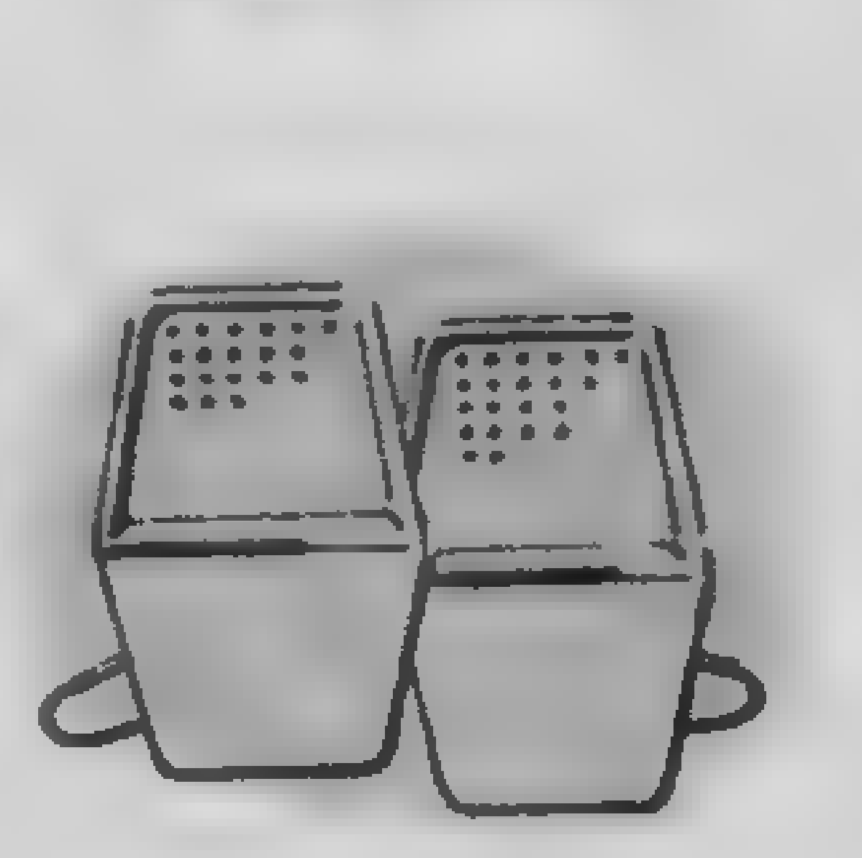
absolute necessity for accurate, anced stereophonic tape record- These two professional-type ters give you positive level read- on each channel—help you ke impressive stereo recordings.

uilt-In Amplifier/Speakers



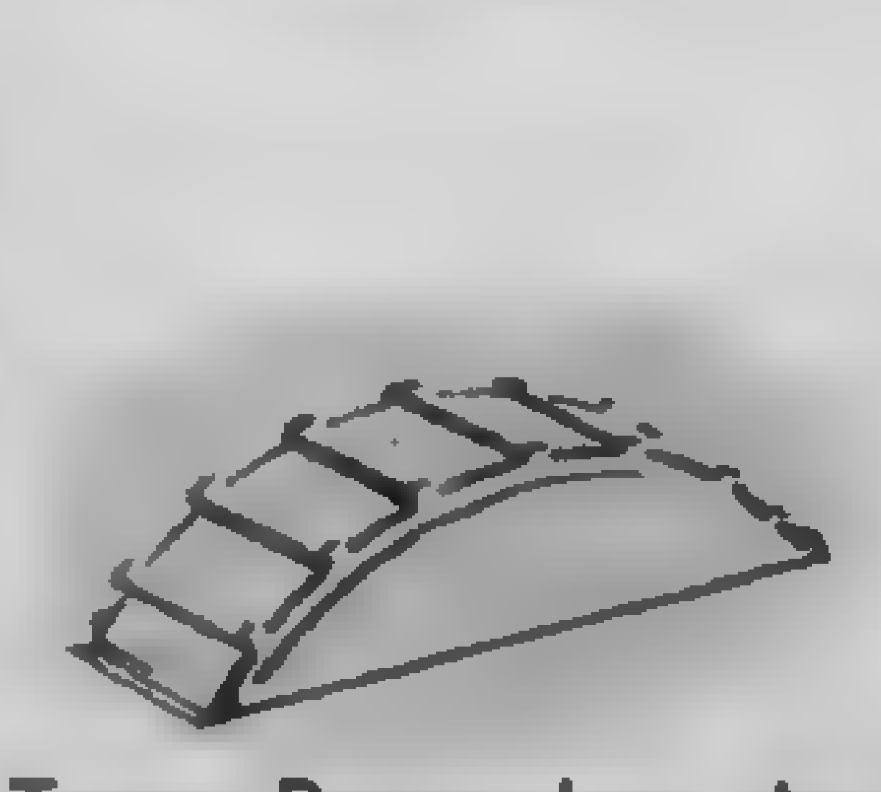
8-watt amplifier sections for a l output of 16 watts; two 6" hi-fi akers for splendid sound. Jacks connecting external speaker sys- to each channel. Input moni- too—listen as you record!

Two Electro-Voice Ceramic Mikes



full-frequency, high-quality ceramic microphones let you recording stereophonically the nt you set up and plug the 300 into the nearest AC outlet! ther and moisture-proof.

Speeds at Your Fingertips



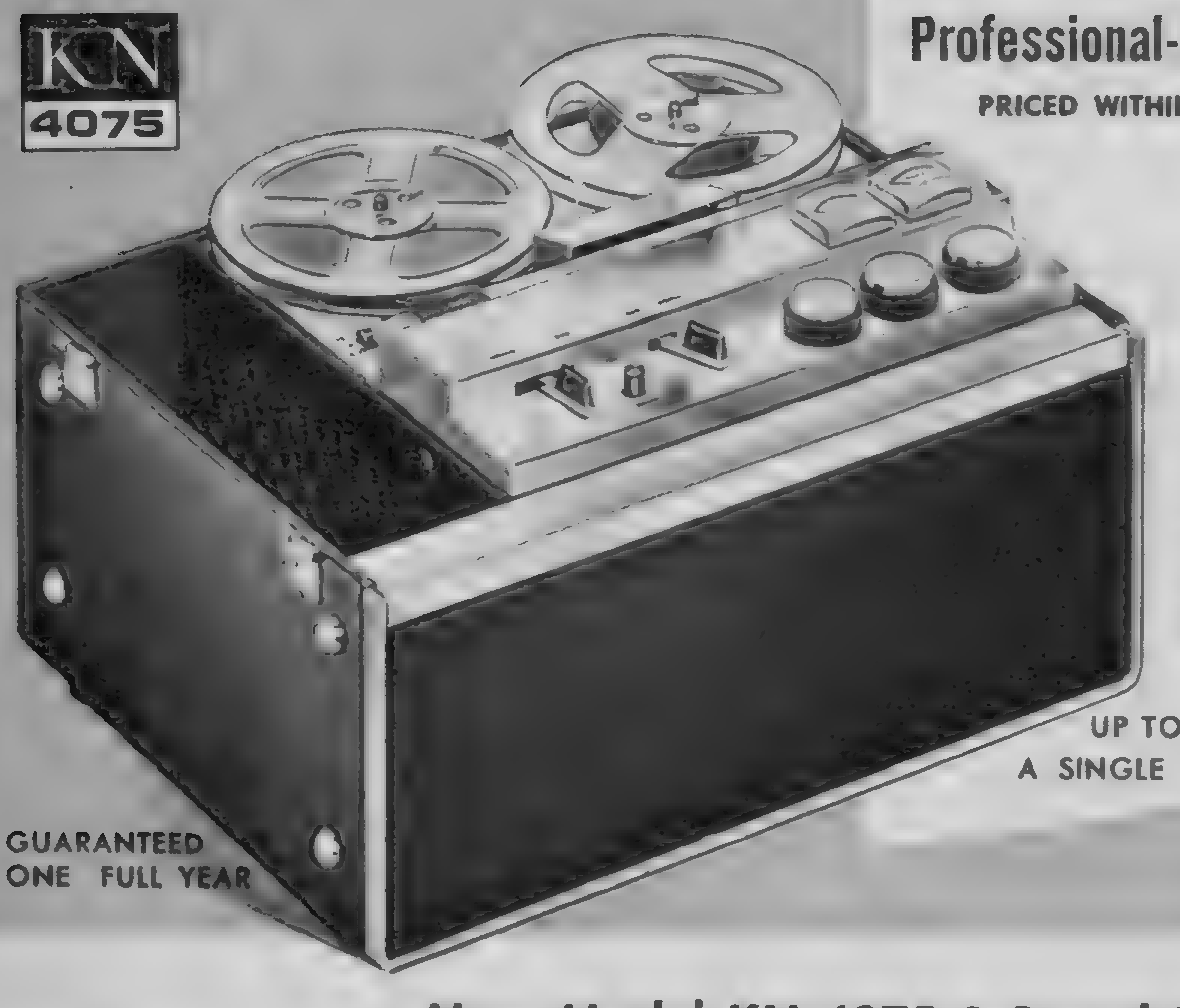
utmost in flexibility—correct is quickly chosen for any tape ding application. Equalization instantly provides correct zation for any of the 3 speeds, ing and playback!

No effort was spared and no compromise with quality was made in designing this complete, portable stereo/monophonic tape recorder. It gives you 2 and 4-track stereo recording and playback; 2-track monophonic recording and playback; and 3 speeds—1⅞, 3¾ and 7½" per second—with equalization for each speed. Furthermore, its array of convenient controls will enable you to make tape recording of professional quality with ease. Two 8-watt amplifier sections, operating with inverse feedback circuitry for lowest distortion, provide push-pull power output of 16 watts—more than enough to drive almost any external loudspeakers. Two built-in 6" speakers provide excellent sound across the entire audio range. And carrying weight is only 30 pounds!

Other features: head elevator for precise, accurate alignment of all 2 or 4-track tapes; automatic shutoff when tape runs out; digital tape counter for easy editing; input monitoring facility; individual volume and tone controls for each channel; two low-level input jacks for stereo recording from mikes, and two high-level input jacks for stereo recording from phonograph, radio, etc.; rotary speed selector with interlock to prevent accidental speed change; two VU meters; and more.

Response: (Record-Play Cycle) at 7½ ips, ±2 db, 35-16,000 cps; at 3¾ ips, ±2 db, 35-10,000 cps; at 1⅞ ips, 35-5000 cps. *Signal-to-Noise Ratio:* 45 db. *Wow & Flutter:* less than 0.25% at 7½ ips. *Distortion:* less than 1% at normal power output. Size, 9⅝x18x14½". Includes two mikes with stands and 6-ft. cables, two patch cords, reel of tape and 7" take-up reel. Beautiful black and aluminum styling. Made in U.S. For 110-120 v., 60 cycle AC. Shpg. wt., 37 lbs.
35 DU 714. *Only $10 Down.* **NET**.............**249.95**

NEW KNIGHT TAPE RECORDING EQUIPMEN



Professional-Quality Stereo Tape Deck

PRICED WITHIN REACH OF EVERY TAPE FAN

3 PRECISION HEADS

- ✓ ERASE
- ✓ RECORD/PLAY
- ✓ MONITOR

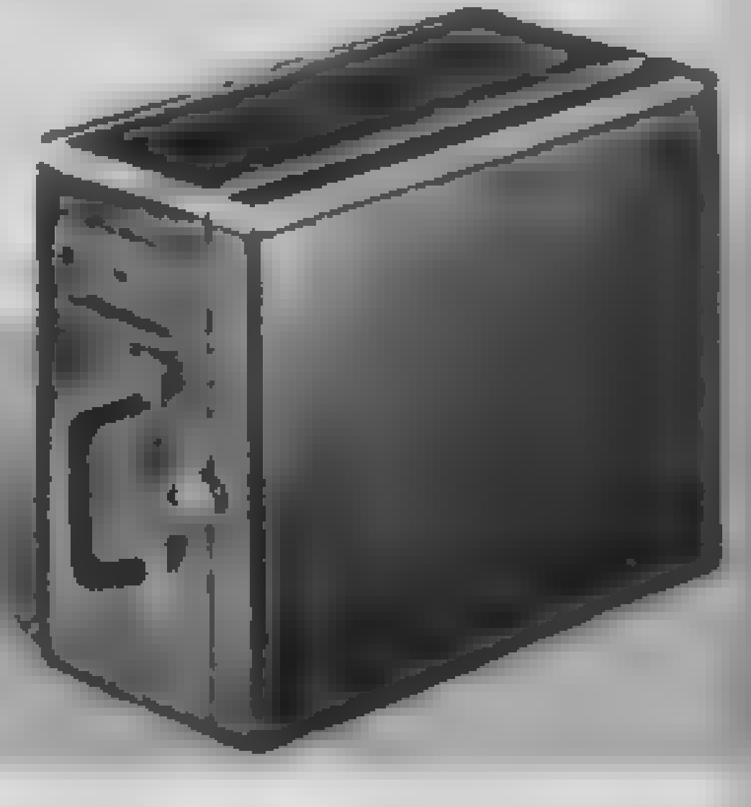
4 SEPARATE PREAMPS

TWO FOR RECORDING
TWO FOR PLAYBACK

makes possible every studio recording effect: echo, sound-on-sound, add-a-track, direct monitoring, plus 4-track stereo and monophonic recording

UP TO 12 HOURS ON
A SINGLE 7" REEL

GUARANTEED
ONE FULL YEAR



Includes
Carrying Case

New Model KN-4075 3-Speed Stereo Tape Deck

[illegible]

ONLY
$239⁹⁵
$10 down

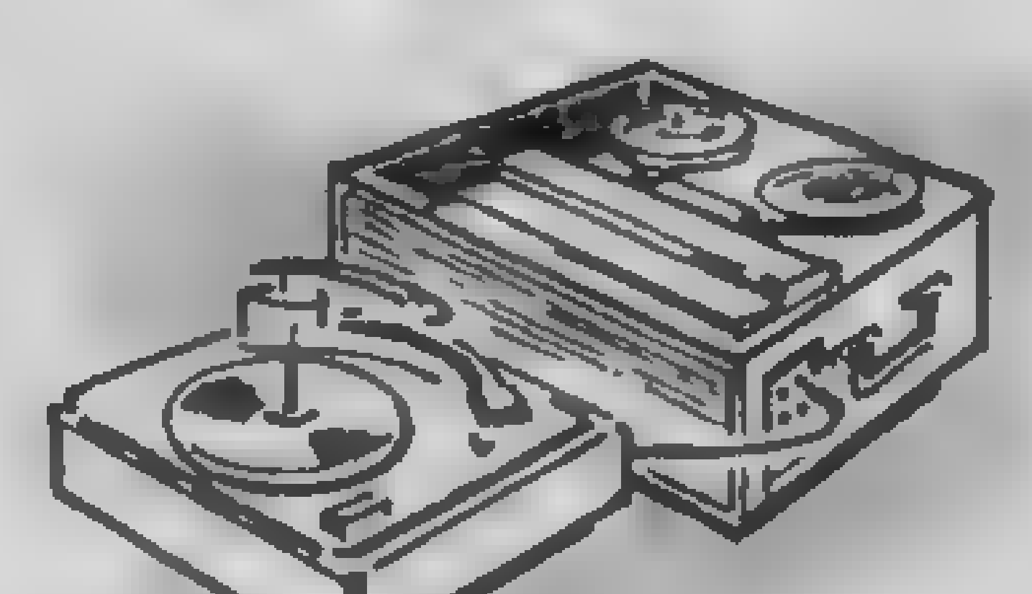
Versatile new unit! A lightweight, portable stereo tape deck with facilities for all studio recording effects, plus 2 and 4-track stereo and monophonic recording and playback . . .

The new KN-4075 Stereo Tape Deck combines precision engineering with advanced, functional design—makes it easy for anyone to produce stereo tape recordings of professional quality. Records and plays 2 and 4-track stereo tapes . . . provides monophonic recording up to 12 hours on a single 7" reel at 1⅞ ips speed (3 hours without interruption on Knight KN-30 or KN-50 1-mil tapes, or their equivalent)! Plays back through your stereo system or through stereo headphones. Beautifully styled, you can take the KN-4075 anyplace! Control panel in pastel grays; smart, luggage case exterior is styled in jet black with gleaming aluminum trim.

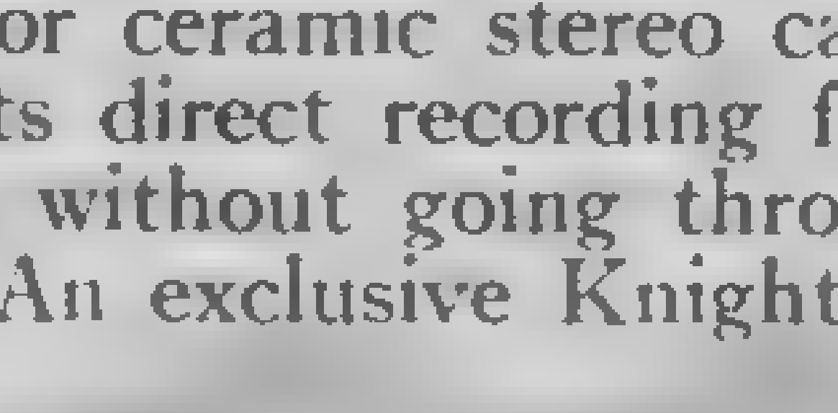
Other features include: two illuminated, professional VU meters; digital tape footage counter; same easy drop-in threading as on professional machines; automatic shutoff at end of reel, if tape breaks, or in event of sudden power loss—prevents tape spillage and damage; safety record interlock to prevent accidental erasure; high-speed Fast Forward and Fast Rewind controls, lock-in type; equalized phono input for magnetic or ceramic stereo cartridges; switch-selected equalization for any of the three speeds—1⅞, 3¾ and 7½ inches per second.

Has three heads: Record-Play, Erase, Monitor. Third head, in addition to monitoring function, can be used for sound-on-sound recording, "add-a-track" educational use, "in person" recording with musical accompaniment, and many exciting sound effects limited only by your imagination! *Guaranteed Response (complete record-play cycle)*: at 7½ ips, ± 2 db, 30-16,000 cps; at 3¾ ips, ± 2½ db, 30-10,000 cps; at 1⅞ ips, 30 to 5000 cps. *Wow & Flutter:* less than 0.25%. Size, 9⅝x18x14½". With reel of tape, takeup reel. Made in U.S. For 110-120 v., 60 cycle AC. Shpg. wt., 28 lbs.

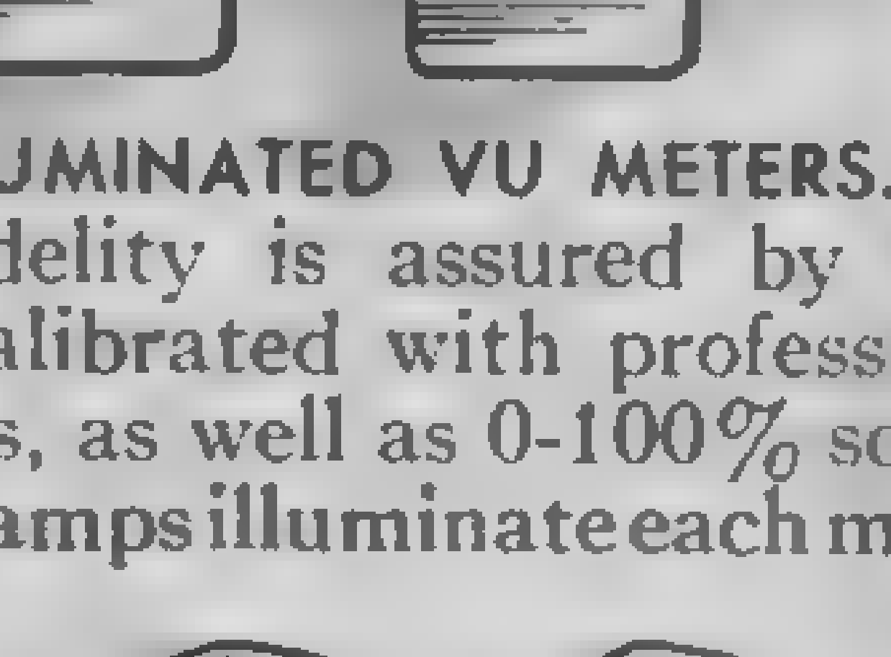
35 DU 713. *Only $10 Down.* **NET**. **239.95**



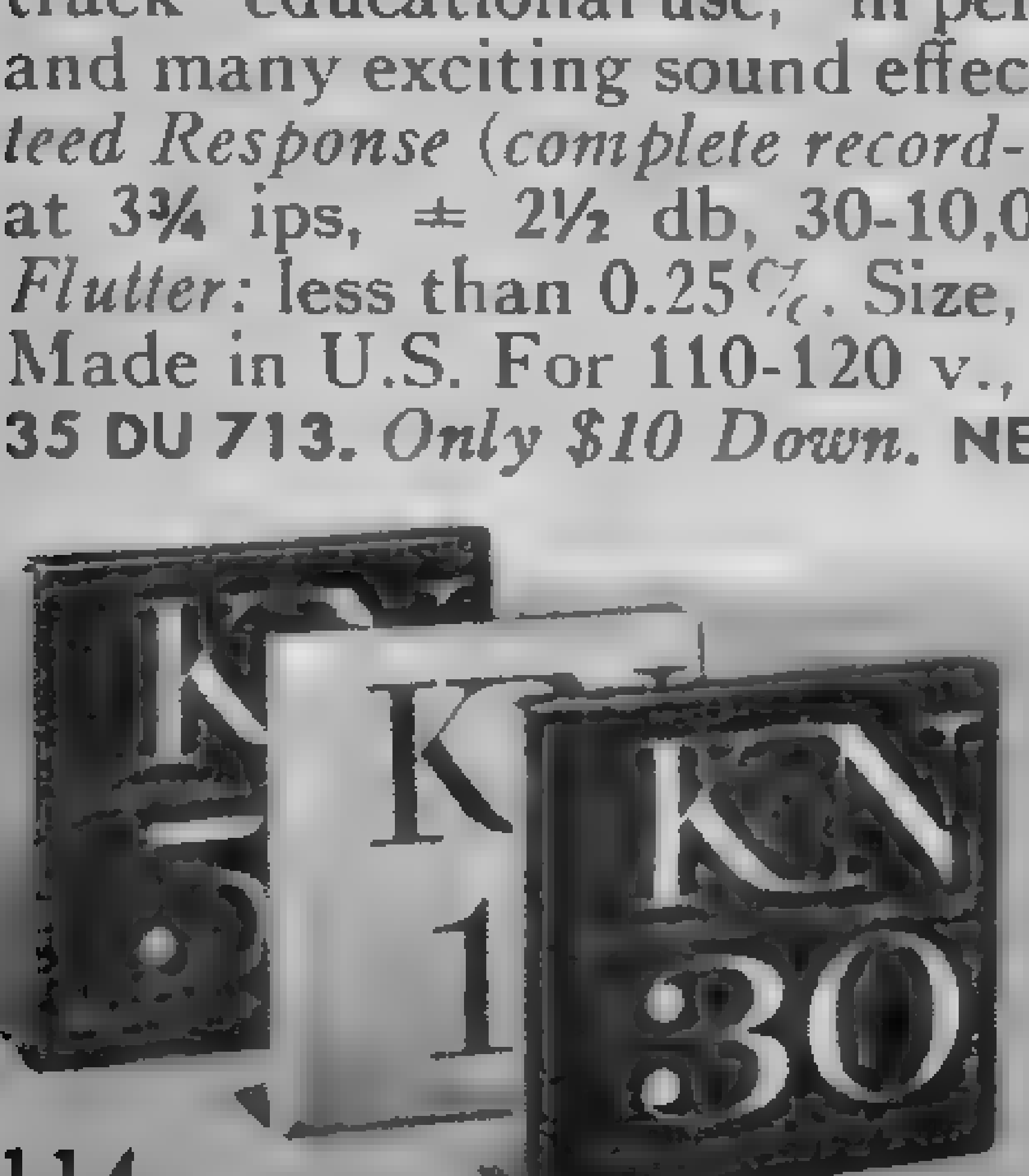
EQUALIZED PHONO INPUT. For m netic or ceramic stereo cartridg permits direct recording from c tridge without going through p amp. An exclusive Knight featu



TWIN ILLUMINATED VU METERS. solute fidelity is assured by t meters calibrated with professic VU scales, as well as 0-100% sca Built-in lamps illuminate each met

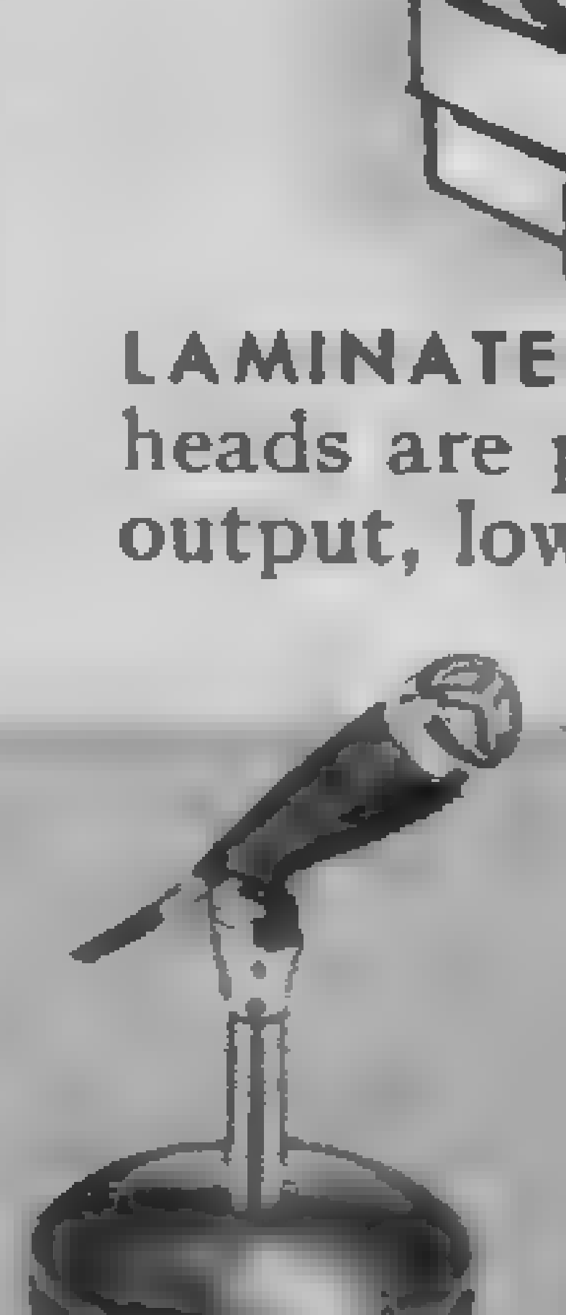


LAMINATED HEADS. Record-p heads are premium type for hig output, low eddy current losses.



SAVE WITH KNIGHT RECORDING TAPE

For every home recording use or for the most critical of recording applications, there is a low-cost Knight tape available. See Tape Recording section for complete descriptions and money-saving tape and case combination offers.



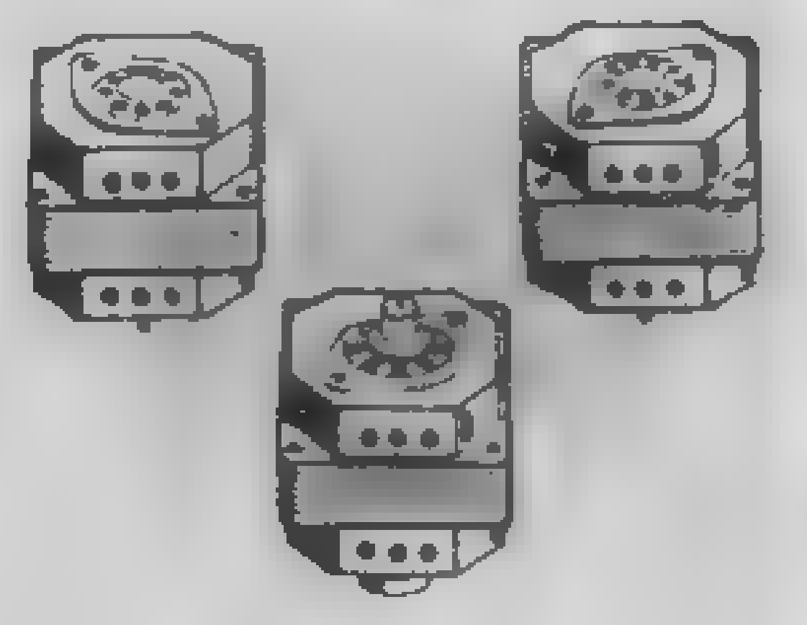
DYNAMIC MIKES

Check the two exceller Knight dynamic mike recommended for tap recording use, that a fully described in th Microphone section.

Outstanding New Tape Transport

PROFESSIONAL PERFORMANCE & EFFECTS

3 MOTORS
- ✓ SPOOL 1
- ✓ SPOOL 2
- ✓ IDLER



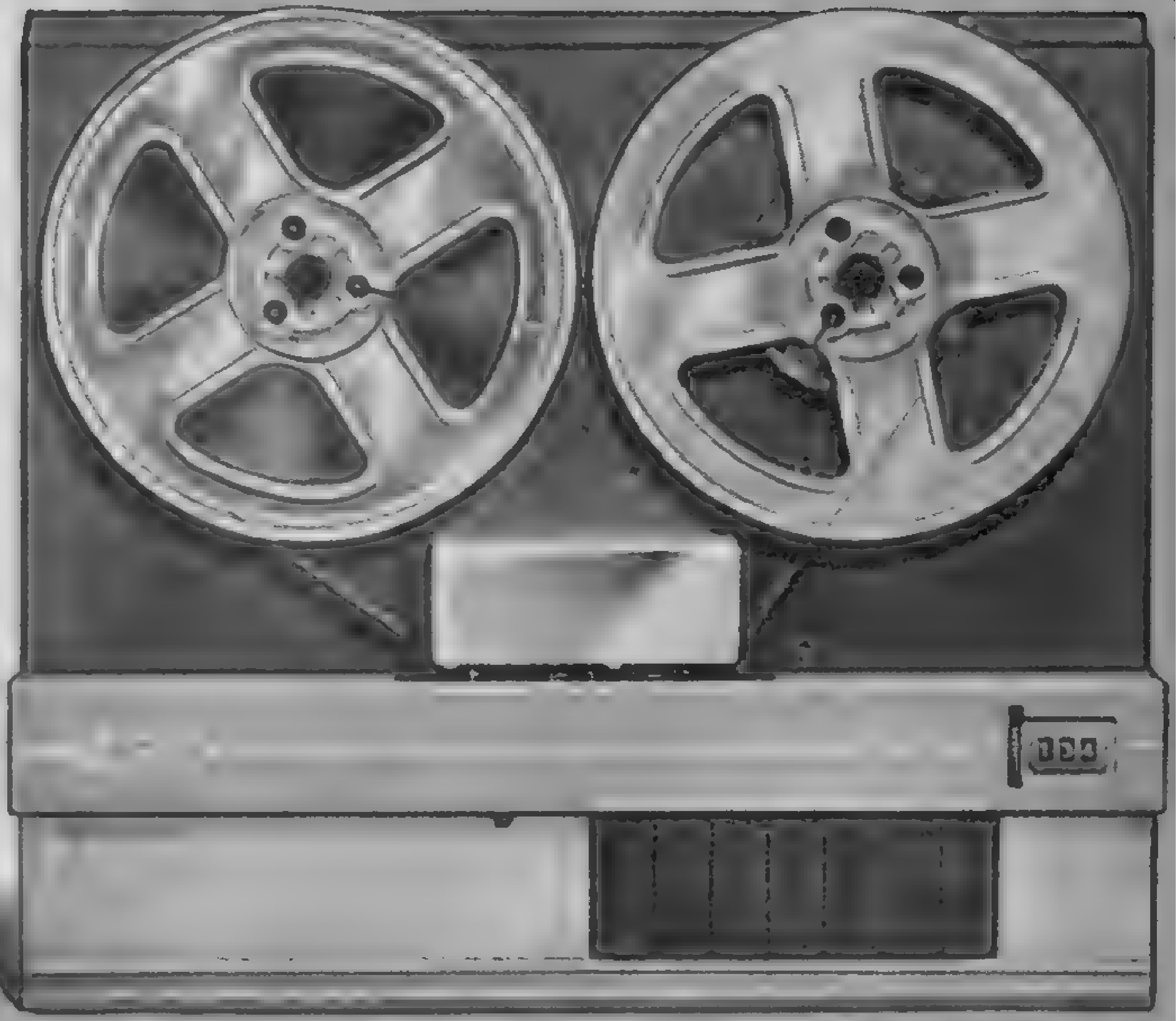
3 HEADS
- ✓ ERASE
- ✓ RECORD
- ✓ PLAYBACK

SMOOTH PUSHBUTTON CONTROL

Seven neatly grouped, smooth-operating controls handle all tape functions

ARANTEED FOR
NE FULL YEAR

KN 4000



New Model KN-4000 Custom-Quality 2-Speed Tape Transport

ONLY **34**50 $5 down

Three heavy-duty, 4-pole motors power this rugged tape transport; two direct-drive spooling motors and idler-wheel capstan motor. Three separate heads, designed with jeweler's precision and of the same type used in studio record- g units, provide erase, record and playback functions. e KN-4000, when used with the KN-4001 preamp ow, provides 4-track stereo and monophonic record- with any variety of special effects—sound-on-sound, sical accompaniment, etc. Two speeds: 3¾ and 7½ At the slower 3¾ ips speed, you can record mono- nically for 6 hours on a 7" reel of 1-mil tape!

Other custom features: positive DC dynamic braking on spooling motors for instant stops at high speeds without tape spillage or damage; standby control for disengaging idler from capstan while capstan motor is left running, ready for instant starting; separate head arrangement to permit monitoring while recording; digital tape counter; etc. *Controls:* Speed Selector (3¾ and 7½ ips); Off-On; Run; Fast Forward; Reverse; Standby. *Flutter:* less than 0.25% at 7½ ips speed. Size, 13½x15¼x7". Handsome Desert Beige and Sand Gold styling. Less record-playback preamp, below. Made in U.S. For 110-120 v., 60 cycle AC. Shpg. wt., 23 lbs.

35 DU 709. *Only $5 Down.* **NET**................134.50

KN-4001 Stereo Record/Play Preamp

R USE WITH KN-4000 OR ANY 2 OR 3-HEAD TRANSPORT

ONLY 129 95 $5 down

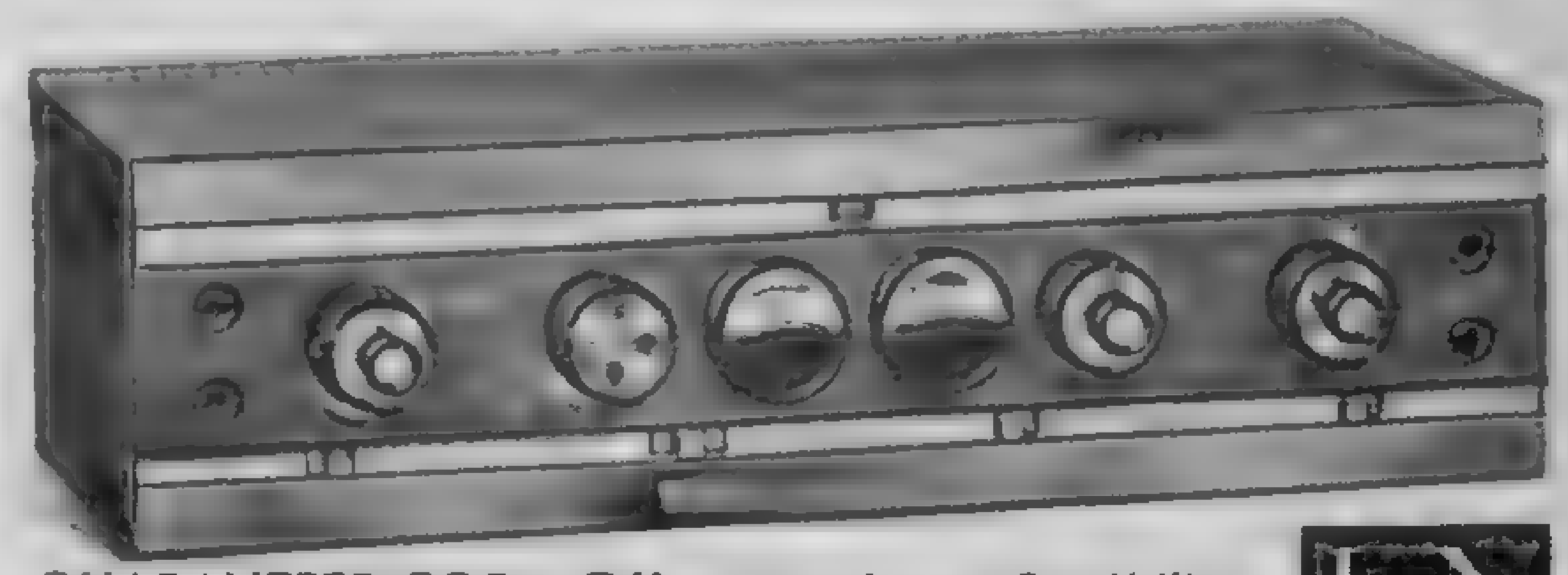
Carefully designed for use with the KN-4000 transport or any other tape transport of comparable quality. Gives you all the controls and features necessary for stereo tape recordings of superb fidelity, as well as many unusual recorded effects. und-on-sound, echo, musical accompaniment, multi- e recording, etc. Concentric, clutch-type level controls mike and auxiliary recording for individual channel ation; master gain adjustment; accurate twin VU ters; A-B switching between channels; adjustable s and erase voltages; equalization for 3¾ and 7½ ips eeds; headphone outputs and mike inputs; and many er desirable features.

specs measured with KN-4000 transport. *Bias Oscilla-* 100 kc. *Response:* at 7½ ips, ±2 db, 25-19,000 cps; ¾ ips, ±2½ db, 25-13,000 cps. *Hum & Noise:* better —52 db below maximum recording level. Size, 4⅛ ⅝" legs)x15½x9". Less case, below. Made in U.S. 105-125 v., 60 cycle AC. Shpg. wt., 15 lbs

U 708. *Only $5 Down.* **NET**................129.95

AL CASE FOR ABOVE. Shpg. wt., 5 lbs.

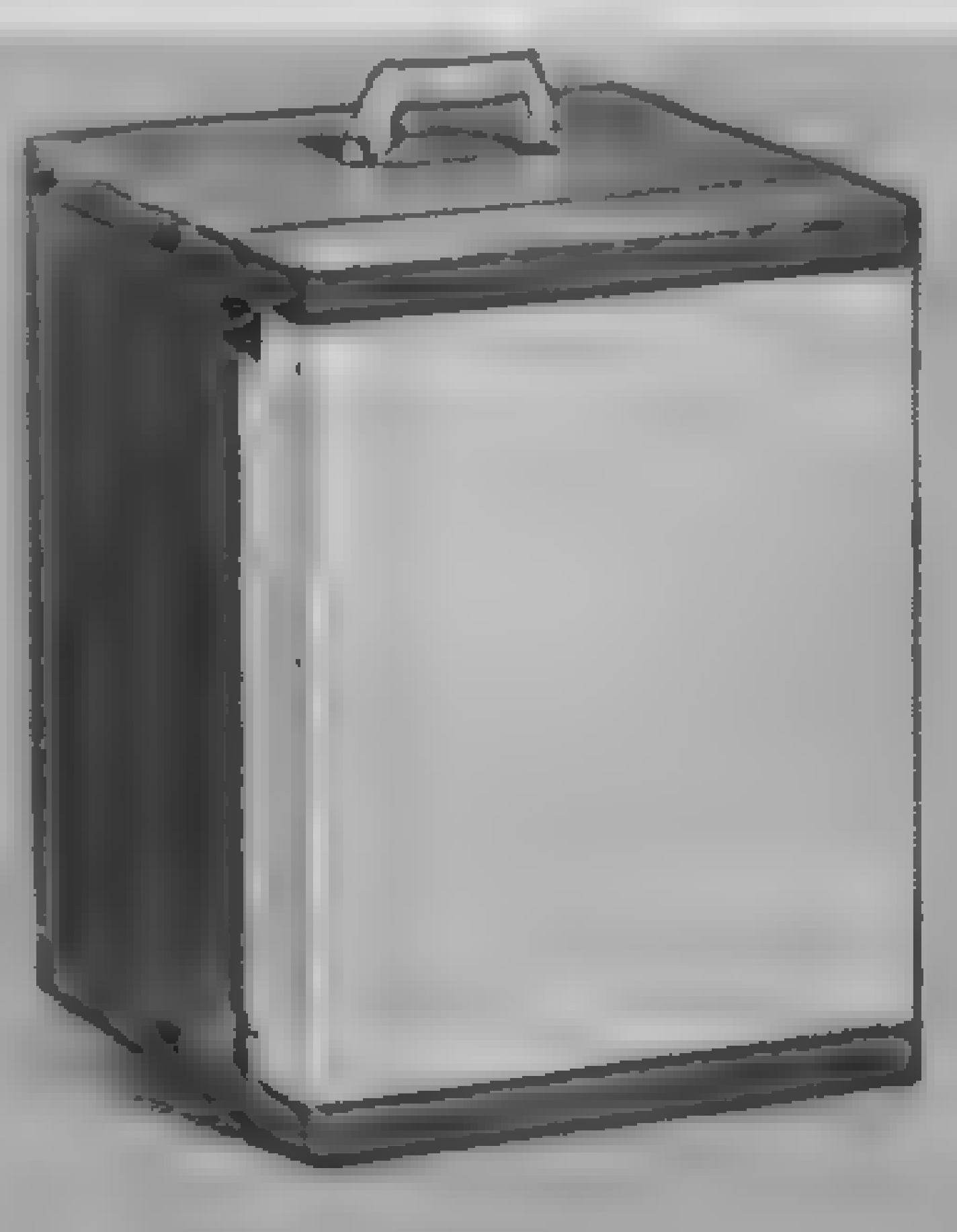
X 936. NET..................................4.95



GUARANTEED FOR ONE FULL YEAR

Offers maximum flexibility in recording and playback; A-B tests, etc.

KN 4001



CARRYING CASE FOR KN-4000 AND KN-4001

Portable wood carrying case; easily accommodates both the Knight Tape Transport and Preamp, with room for storage of mikes, cable, etc. Cream and beige styling. Size, 20x16½x11½". 20 lbs.

35 DX 783. NET....24.95

SONY SUPERSCOPE Professional-Type Recorder

Stererecorder CS-300

With built-in speakers, case, 2 dynamic mikes.

Deluxe Model CS-300 Sterecorder

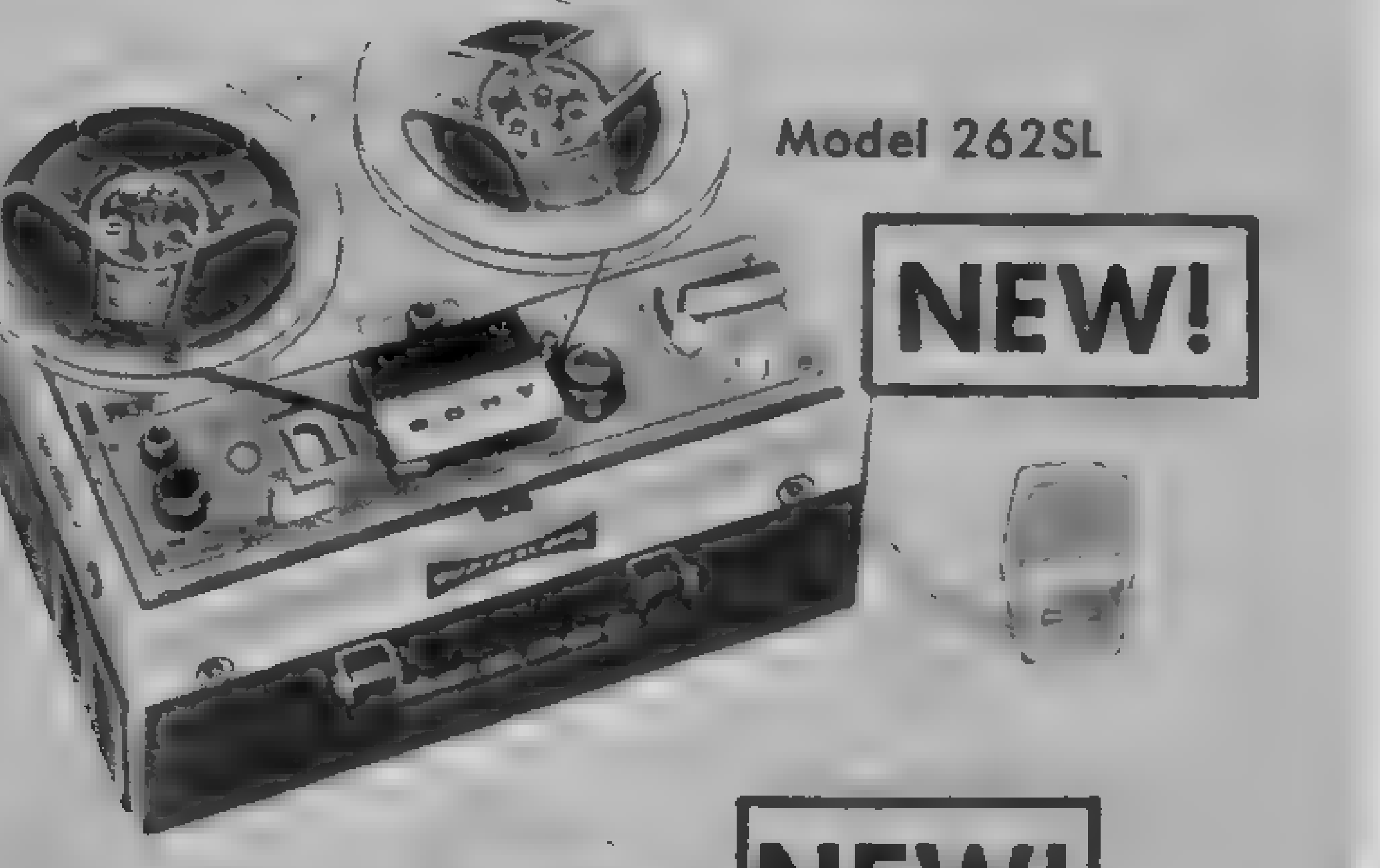
NET

$399.50

$10 down

A deluxe-quality dual-speed recorder boast an impressive array of professional featu This versatile instrument will record and p 4 and 2-track tapes both stereophonically monophonically. A marvelous unit for record stereo broadcasts, school dramas, live mus performances and any other events you wish to capture on high-fidelity tape. Sterecorder includes everything necessary to make top-qua recordings. Its many features include: built-in 6-watt stereo plifier and speakers; adjustable directors for best stereo reali pushbutton mode selection; automatic tape lift on fast forw and rewind; 2 VU meters; hysteresis synchronous drive mo mixing facilities on each channel for recording sound over sou instant stop lever for precise cueing and editing; digital foot counter; automatic shut-off; bass boost switch. Response: ±2 50-15,000 cps at 7½ ips; ±2 db, 50-10,000 cps at 3¾ ips Flut and Wow: under 0.15% at 7½ ips. Separate mike and aux. in controls on each channel for mixing. Output (dual): 8 and 600 oh Built by one of Japan's leading manufacturers. With porta carrying case, 2 dynamic mikes. Size, 9x20x14". For 110-120 60 cycle AC. Shpg. wt., 42 lbs.

90 RZ 700. *Only $10 Down.* NET........................399.



Model 262SL

Model 262-SL Two-Speed Recorder

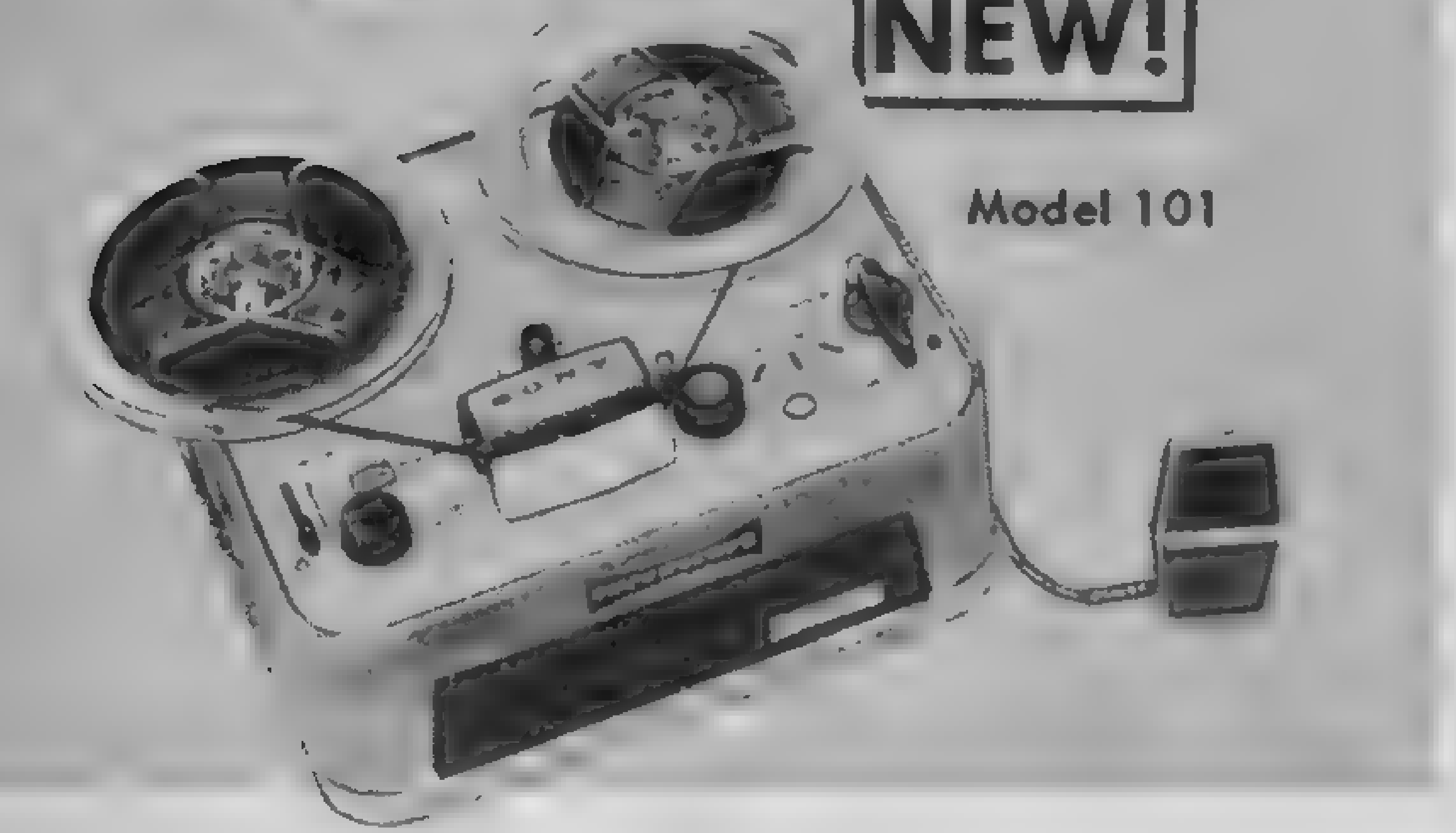
NET

$199.50

$5 down

Similar to the deluxe unit above, this super quality recorder features the same tape tra port unit as the CS-300. Records and play track monophonic tapes; plays 2- and 4-tr stereo tapes. Fully self-contained, the 262 includes built-in monophonic preamp, record amplifier, monitor power amplifier and speak Also includes a playback preamp for the sec channel. Has "sound-with-sound" feature for language and mu training. Response: ±2 db, 50-15,000 cps at 7½ ips. Flutter wow: under 0.15% at 7½ ips; under 0.25% at 3¾ ips. Built by of Japan's leading manufacturers. With case, earphone, mon speaker, dynamic mike, leads for stereo playback. 7x14x11". 110-120 v., 60 cycle AC. Shpg. wt., 21 lbs.

90 RU 705. *Only $5 Down.* NET........................199.



Model 101

Model 101 Transistorized Recorder

NET

$99.50

$5 down

Transistorized dual-track recorder for record and playback of monophonic tapes. Incorpora the same top-quality deck as Model CS- above. Built-in power supply permits opera direct from AC outlet—no batteries are requi You'll find this low-cost unit useful for hund of applications; transistorized circuitry al countless hours of trouble-free service. Flu and wow: under 0.20% at 7½ ips; under 0.30% at 3¾ ips. Freque response and signal-to-noise ratio permit splendid high-fid performance. Reel capacity: 7". Built by one of Japan's lea manufacturers. With case, speaker and dynamic mike. 6½x13x For 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.

90 RU 706. *Only $5 Down.* NET........................99.

Concertone

For Versatility in
Tape Recording . . .
Stereo or Monophonic

Model 505K

Model TR-100

Concertone 505K Stereo Recorders

NET

$550.00

$10 down

Features 4 heads for 2-track stereo and m phonic erase-record-playback, plus 4-tr stereo playback. Separate record and play preamp sections permit "sound-on-sour echo recordings, etc. Has 3-motor drive; 2 meters; mixing-type mike and aux input each channel; etc. Response, 40-15,000 Speeds, 7½ and 3¾ ips. 14⅛x16¼x6⅜". 110-120 v., 60 cycle AC. From Japan. Wt., 36 lbs.

92 RU 788. *Only $10 Down.* NET........................550.

92 RU 782. Model 505K-4. As above, but has 4-track stereo monophonic erase-record-playback heads, plus 2-track stereo monophonic playback head. *Only $10 Down.* NET.........550

Model TR-100 Transicorder

NET

$199.95

$5 down

Precision recorder offering transistorized cuitry, battery operation and featherlight sign, in a book-size carrying case. Operat 3¾, 1⅞ ips; built-in speaker provides am tone. Dual-track head allows 1-hour re ings. VU meter shows battery condition. standard 3" reels. With batteries (6 pen cells and 9-v. battery), mike, reel of tape. phone, case. 6⅝x6½x2". From Japan. 6 lbs.

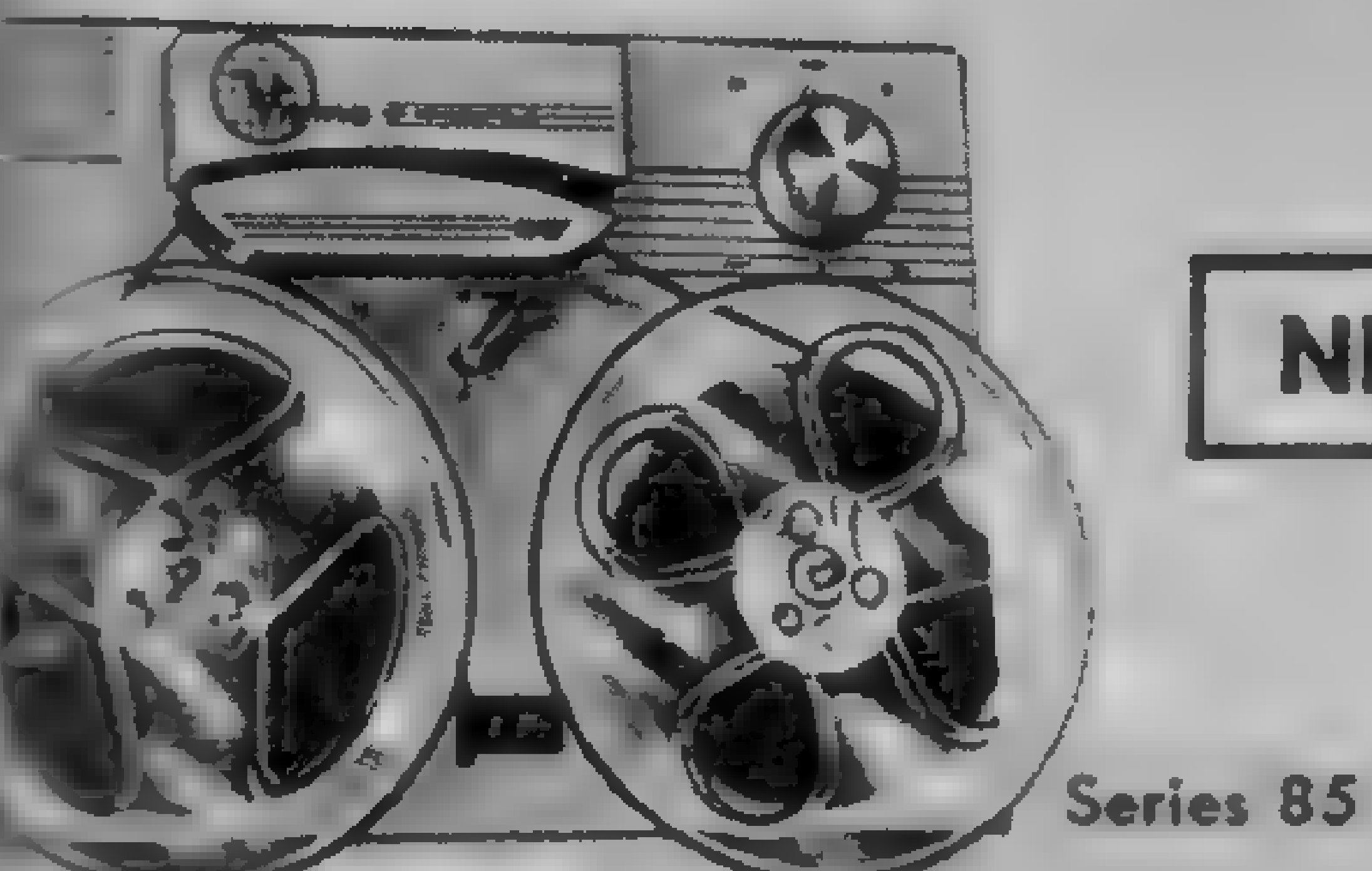
90 RC 726. *Only $5 Down.* NET........................199

90 R 727. Model 110. 120 VAC Adapter. 2 lbs. NET........24

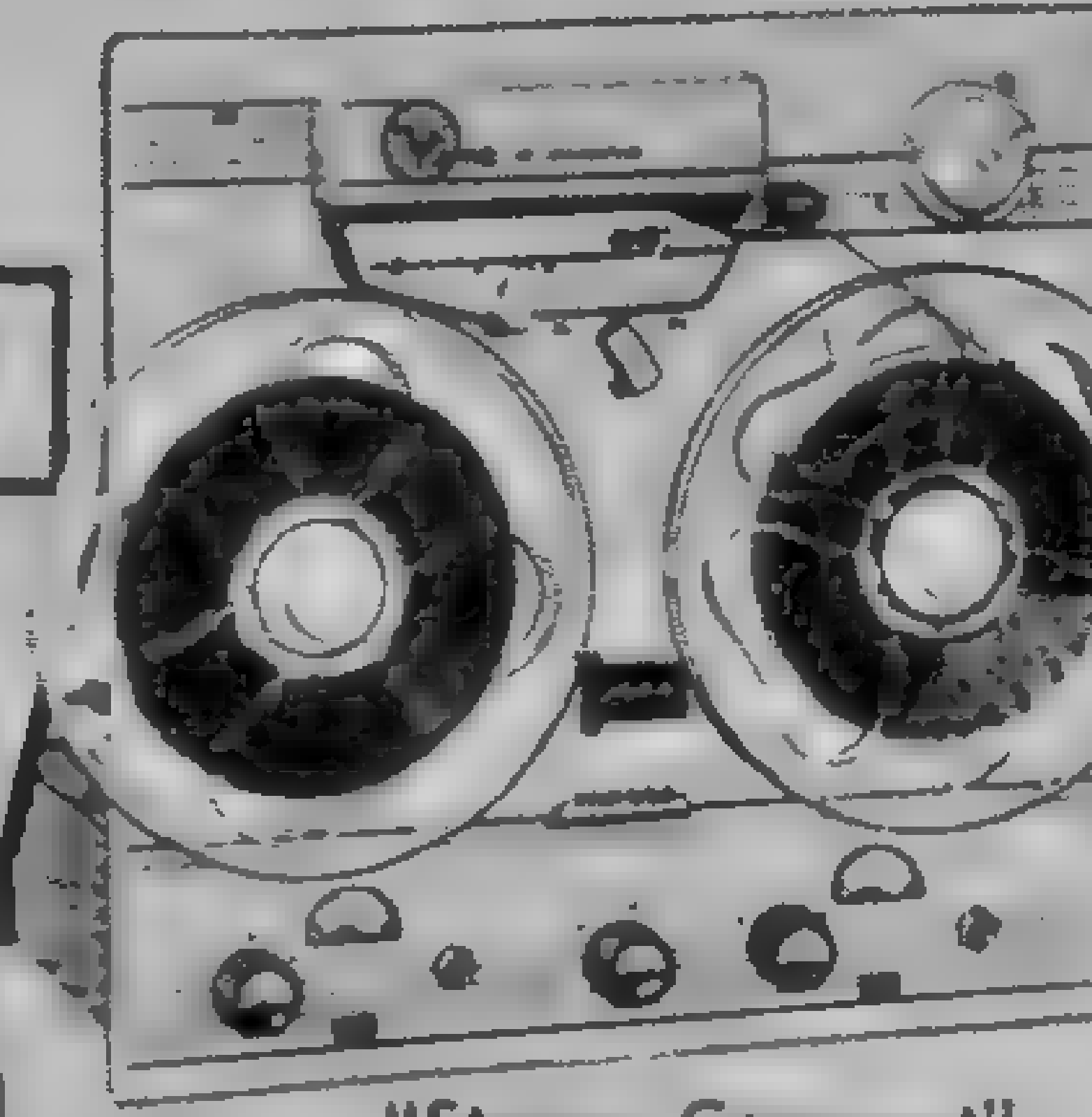
90 R 728. Model 115. 12 VDC Adapter. 2 lbs. NET..........

Famous Recording Equipment by Viking

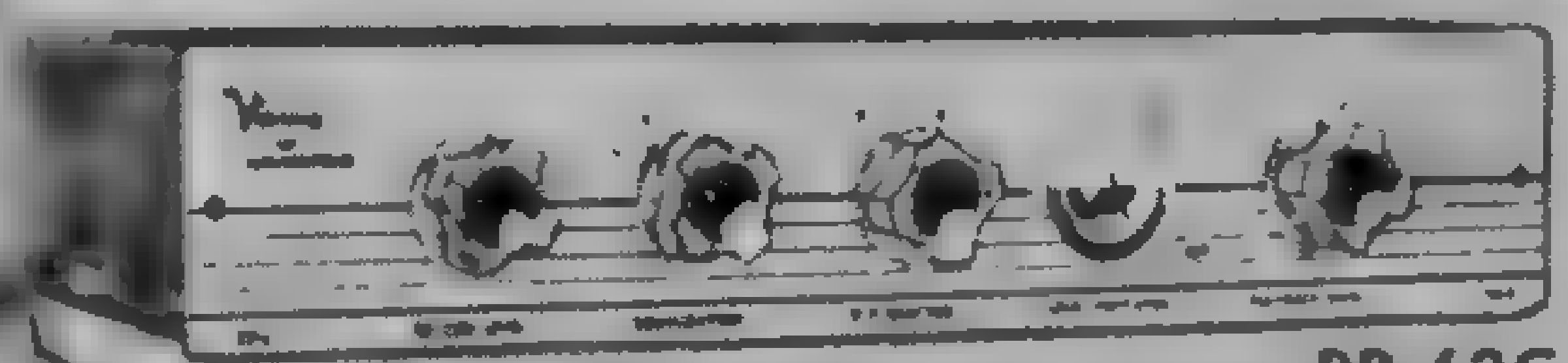
OF MINNEAPOLIS



NEW

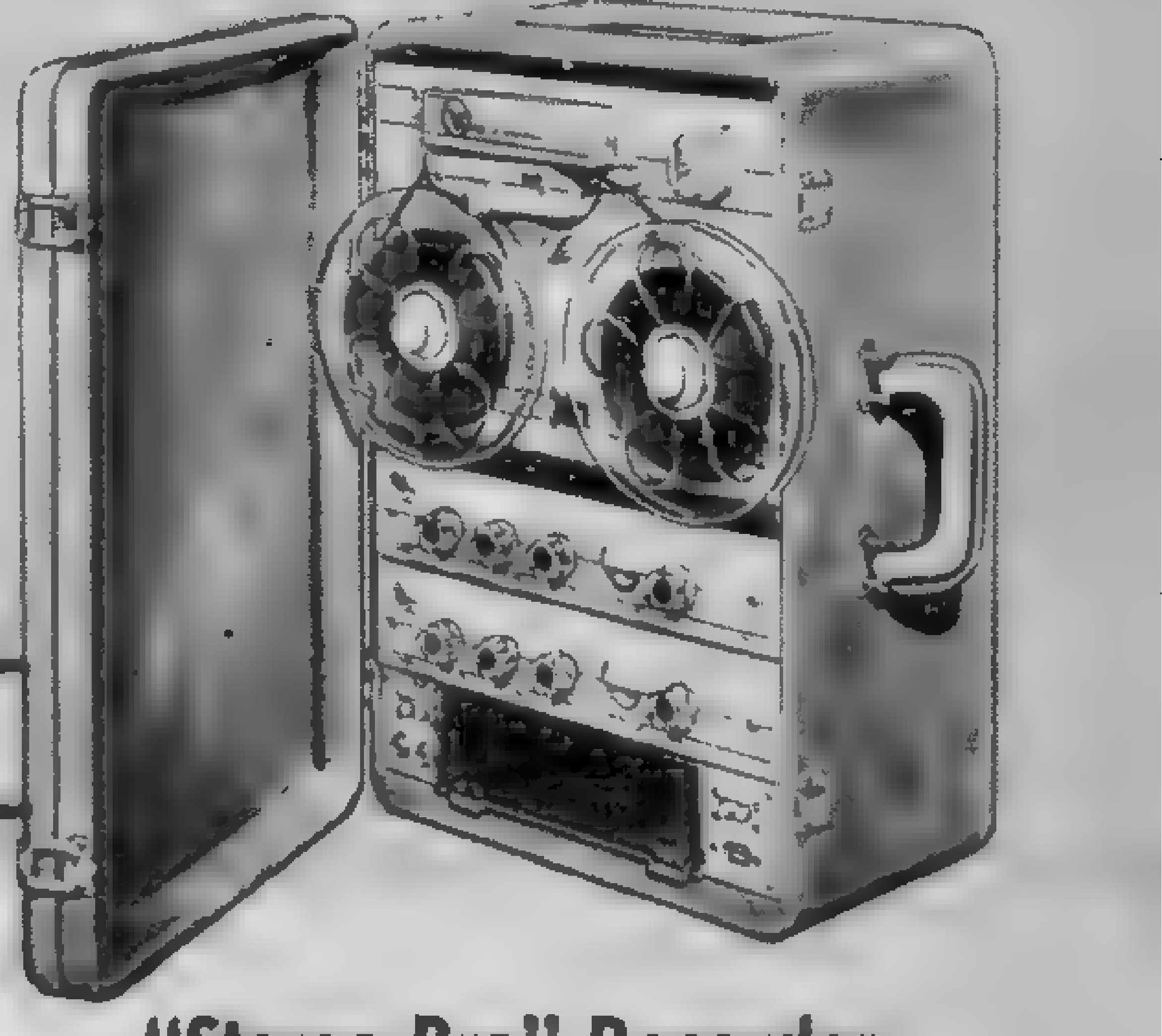


"Stereo Compact"



RP-62C

NEW



Series 85 Tape Transports

sion, 2-motor units. 7½, 3¾ ips. ±3 30-14,000 cps. 55 db S/N. Flutter and under 0.2%. Max. reel size, 7". Play gh any amplifier with tape head in-. To record, and to play through ampli-without tape head inputs, a Viking pre- (below) is required (2 for stereo). 12⅛x 5½". For 110-120 v., 60 cycle AC. lbs.

RU 716. 85 RMQ. 4-track stereo erase- d-play-monitor. **NET**.........179.50

RU 765. 85 RQ. 2-track mono erase- d-play; 4-track stereo play. **NET** 158.50

RU 766. Model 85 ES. 2-track mono and o erase-record-play. **NET**......152.00

RU 864. Model 85 ESQ. As above, but for 4-track stereo play. **NET**...179.50

2C Record-Play Preamp. Has bias oscil-, electron-ray record level indicator. 85 RQ and 85 ES, above. 2¾x12⅛x ". For 110-120 v., 60 cycle AC. 7½ lbs.

R 771. *$5 Down.* **NET**..........77.50

2C-3 Record-Play Preamp. As above, with a head lead. For 85 ESQ, RMQ, above.

R 717. *$5 Down.* **NET**..........79.50

2VU Record-Playback Preamp. Same as 62C above, but has VU meter. 600-ohm put. Matches either Viking dual-track stereo heads, or full-track erase-record . 19" rack mtg. panel. For 85, 95 es decks. 7½ lbs.

RX 770. *$5 Down.* **NET**.......119.00

R 913. D381A Reel Retainers. For vertical nting. 5 oz. **NET PER PAIR**........1.00

"Stereo Compact" Recorders

Quality stereo recorders in one compact package. Consist of two Viking RA 72 recording preamps and a Series 85 tape deck. Features: "Flutter-filter" belt-drive; high and low-level inputs; digital counter; tape lifters; "sound-on-sound" recording. Requires preamp when used with amplifiers not having tape head input. ±3 db, 30-12,000 cps. For wall or furniture mounting. 14x14x9" deep; require 12⅜" square cutout. For 110-120 v., 60 cycle AC. 25 lbs.

90 RU 704. "Stereo Compact" ESQ. 2-track stereo or monophonic record; plays 2 or 4-track. **NET**.....................297.50

90 RU 703. "Stereo Compact" RMQ. 4-track stereo erase-record-play-monitor. **NET**..........................297.50

Series 95 Tape Transports

Professional-quality, 3-motor decks for rack mounting. Accept any configuration of up to 4 Viking heads (configurations other than those below available on special order). ±3 db, 30-14,000 cps (with RP-62VU at left). 55 db S/N. Wow, flutter under 0.1% at 7½ ips. Max. reel, 10½". Speeds: 7½, 3¾ ips; 1⅞, 3¾ on special order. 12¼x19", require 7" behind, 2" in front of panel. Less preamps. For 110-120 v., 60 cycle AC. 56 lbs.

92 RZ 767. Model 95R. 2-track monophonic erase-record-playback. **NET** 487.65

92 RZ 768. Model 95 ES. 2-track mono and stereo erase-record-play. **NET**......513.25

92 RZ 769. Model 95 ESQ. As above, but also 4-track stereo playback. **NET**..546.50

"Stereo Pro" Recorder

NET

$344⁵⁰

2-Track Model

- **Professional-Quality**
- **Built-in Record-Play Preamplifiers**
- **Portable—Rugged Case**

A professional-quality stereophonic tape recorder featuring the famous Viking Series 85 deck and two Viking RP-62C preamps for complete recording and playback facilities. An excellent choice where both portability and professional performance are desired.

This superb unit offers separate inputs for microphone and tuner or mixer-preamp, "sound-on-sound" recording facilities, erase-defeat switch, etc. 70-kc bias oscillator. Response, ±3 db, 30-12,000 cps. S/N ratio, 55-60 db. Distortion under 2%. NAB equalization. Features "hot-spot" peaking adjustments for precise setting of recording bias and erase current.

Easy-to-handle carrying case is of brown scuff-resistant plastic with heavily reinforced corners. 20¾x13¾x10¼". For 110-120 v., 60 cycle AC. Shpg. wt., 40 lbs.

90 RZ 708. Stereo Pro ES. 2-track mono and stereo erase-record-play. **NET**......344.50

90 RZ 709. Stereo Pro ESQ. As above, but also 4-track stereo playback. **NET**..374.50

90 RZ 710. Stereo Pro RMQ. 4-track stereo record-erase-play-monitor. **NET**....374.50

odel 5 Hi-Fi Tape Recorder

NET

$419⁵⁰

$10 down

Deluxe, portable recorder for playing 2 and 4-track stereo and monophonic tapes—and for making 2 and 4-track monophonic tapes. Operates at 1⅞, 3¾, 7½ ips with extremely low and wow. Preamp has cathode fol- outputs for use with external ampli- Playback amplifiers have 3 watts out- per channel. Built-in 5½x8" speaker. mike; less second speaker, leather case . 6⅝x15x11⅝". For 115-145, 200-245 cycle AC. Shpg. wt., 35 lbs.

RJ 836. *$10 Down.* **NET**.....419.50

5-3. As above, but has external plug- amp, extra mike. 41 lbs.

RJ 745. *$10 Down.* **NET**.......493.50

4 Recorder. Similar to Model 5 , but for mono record-mono/stereo Less case. 6⅝x15x11⅝". 27 lbs.

RJ 746. *$10 Down.* **NET**.......349.50

747 Model 4F. As Model 4, but has a foot pedal for remote control of stop and back-spacing. **NET**...399.50

RX 838. Model TC-54 Leather Case. For 4 and 5 units. 6 lbs. **NET**......24.50

New Model 6 Tape Deck

NET

$498⁰⁰

$10 down

Tandberg presents a brilliant new tape deck incorporating important improvements in tape recorded sound reproduction. Offering maximum versatility, this hi-fi deck has three 4-track heads—one each for erase, record and play of both stereo and monophonic tapes. 4 built-in preamps—2 for recording, 2 for playback. Two level indicators. Equipped for "sound-on-sound", echo effects, direct monitor, remote control (below).

Speeds: 1⅞, 3¾ and 7½ ips. ±2 db, 30-16,000 cps at 7½ ips; ±2 db, 40-11,000 cps at 3¾ ips; ±2 db, 50-5500 cps at 1⅞ ips. Flutter, wow: under 0.1% at 7½ ips. Inputs (pairs): Mike, High-Level, Low-Level. Cathode follower outputs. 6x16x12". Less mikes. For 115-145, 200-245 v., 60 cycle AC. 27 lbs.

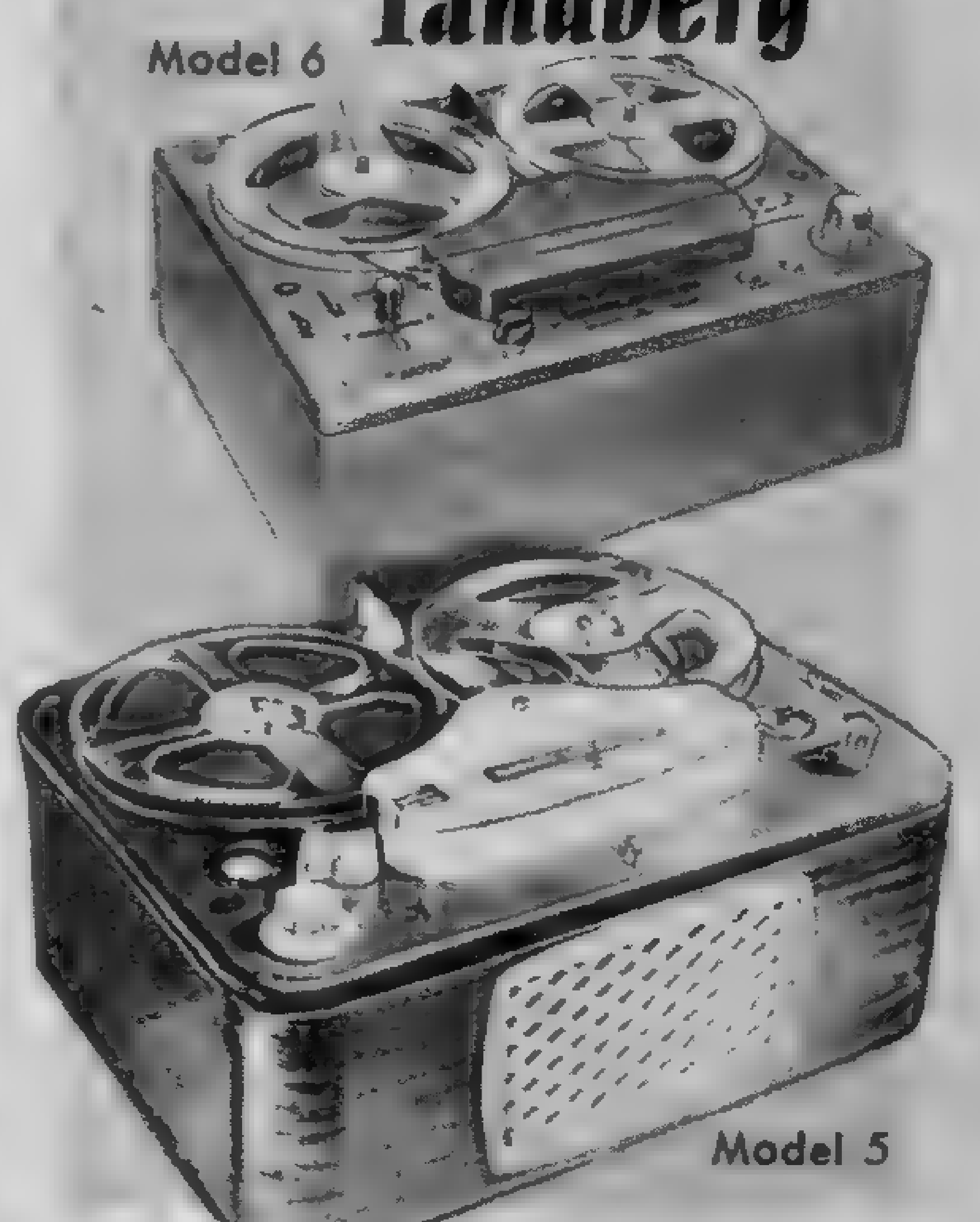
90 RU 711. *$10 Down.* **NET**.....498.00

90 RU 712. Model 6-1. Above, but has luggage-type case. 32 lbs. **NET**.......521.00

Model 22-FP Foot Pedal. For above. Permits remote start-stop, back-spacing. 3 lbs.

90 R 713. NET...................18.00

Tandberg



AMPEX Highest Quality Tape Recording Equipment

Adjustable Directors for
Best Stereo Effect

Model 970 Stereo Monitor Recorder

NET
$595.00

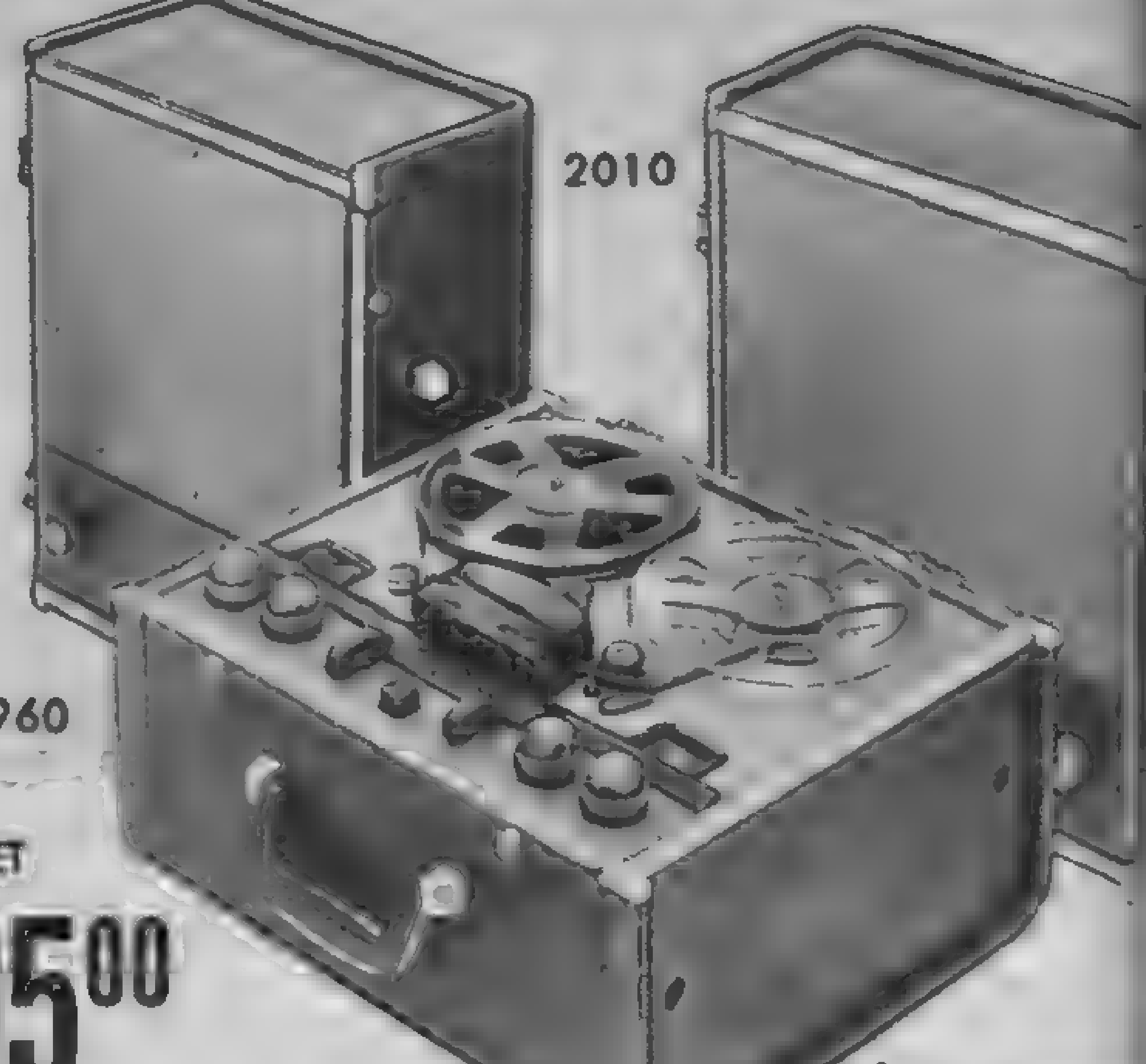
only $10 down

- Built-In Amplifier/Speakers
- Plays both 2 and 4-Track Stereo and Monophonic Tapes
- Records 2-Track Stereophonic and Monophonic Tapes

Like a camera that gives you a fine finished picture moments after you snap the shutter, the Model 970 enables you to make a professional-quality stereo recording and monitor the results right on the spot. Features built-in amplifier-speakers for monitoring recording—all in one portable case. You are assured full and proper control of the important variables—recording level, acoustic balance and microphone placement. Records 2-track stereo and monophonic tapes—plays 2-and 4-track stereo and monophonic tapes. Has 7" eliptical speakers with adjustable panels for optimum separation. Perfect for stereo or monophonic "off-the-air" recording; ideal for away-from-home recording sessions—has output circuits and jacks for monitoring while recording through the use of optional stereo headsets. Additional versatility of unit permits "sound on sound', recording, echo chamber effects, etc. Provides concert-quality playback performance when used with a pair of Model 2010's, right.

SPECIFICATIONS: *Speed:* 7½ and 3¾ ips. *Reel Size:* 7" maximum. *Frequency Response:* 30 to 20,000 cps at 7½ ips; 30 to 15,000 cps at 3¾ ips. *Flutter and Wow:* less than 0.2% rms at 7½ ips. *Recording Inputs:* high impedance inputs (radio/TV/Phono/Auxiliary). Approximately 0.15 volt rms for maximum normal recording level; high impedance microphone inputs. *Playback Outputs:* approximately 0.75 volt rms from cathode follower when using tapes recorded to maximum normal recording level. *Monitor Amplifier/Speakers:* dual-channel two-stage amplifiers with integral power supply, utilizing negative feedback for low distortion, driving 7" speakers with peak output power in excess of 5 watts.

Complete with handsome, two-tone gray, scuff-resistant portable case. Size (HWD), 9x25½x15". Less microphones. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 46 lbs.
92 RZ 785. *Only $10 Down.* NET 595.00



NET
$495.00

$10 dow

Model 960 "Caprice" Stereo Hi-Fi Recorder

Both stereo recording and playback are featured in this outstandin dual-speed tape unit. Has 2-track record and erase heads and un versal playback head with a lever to select 2 or 4-track playback Permits "sound on sound" recording—many unusual effects can b achieved. Ideal for taking stereo broadcasts "off-the-air"—perfe for building a library of professional-quality tape recordings. Ac commodates up to 7" reels; operates at 7½ and 3¾ ips. Respons 30-20,000 cps at 7½ ips. With two-tone gray, scuff-resistant port able case. 9x17½x15". Plays back through external power amplifie and speakers—will drive crystal-type headsets directly. Less play back amplifiers and speakers (see Model 2010, below); less mike For 110-120 v., 60 cycle AC. Shpg. wt., 38 lbs.
91 RU 897. *Only $10 Down.* NET 495.0

MODEL 910 HIGH-FIDELITY RECORDER

As above, but makes monophonic recordings only. Identical stere playback features. Less amplifier, speaker, mike. 38 lbs.
91 RU 858. *Only $10 Down.* NET 399.5

MODEL 2010 MATCHING AMPLIFIER-SPEAKER

Quality 10-watt hi-fi amplifier and 8" speaker in case to matc Series 900 recorders. Two required for stereo. Inputs for Tape, T Phono, Tuner. 9x17½x15. For operation from 110-120 v., 60 cyc AC. Shpg. wt., 35 lbs.
91 RU 859. *Only $10 Down.* NET 199.5

COMPLETE STEREO HIGH-FIDELITY MUSIC SYSTEM

Consists of Model 960 stereo recorder and two 2010 amplifie speaker units, above. Less mikes. Shpg. wt., 108 lbs.
20 RZ 148-3. *Only $10 Down.* NET 849.5

Model 601 Broadcast-Quality Stereo High-Fidelity Tape Recorder

only $10 down

MODEL 620P HIGH-FIDELITY AMPLIFIER-SPEAKER

A quality 10-watt amplifier and 8" speaker combination in one case. Two may be used with 601-2 (right). Matching case, 13x16x8". For 110-120 v., 60 cycle AC. Shpg. wt., 28 lbs.
95 RU 980. *Only $5 Down.* NET 189.50

Combine compact design for practical portability with Ampe manufacturing precision. Features include provision for low-i pedance input and output, faster acceleration to playing spee illuminating record safety button and case of rugged Samsonit Separate record and playback amplifiers; direct-reading illuminat VU meter; simultaneous recording and playback.

SPECIFICATIONS: *Speed:* 7½ ips. *Reel Size:* 7" maximum. *Respons* 30-15,000 cps; *Signal-to-Noise Ratio:* over 55 db for full-track; 50 for half-track. *Flutter and Wow:* 0.17%. *Starting Time:* less t 0.2 second. *Fast Forward and Rewind:* 90 seconds for full 7" re *Power Drain:* 61 watts. Less mike. Size, 8x13¾x16½". For 110-1 volts, 60 cycle AC. Shpg. wt., 35 lbs.

95 RZ 978. Dual-Track. *$10 Down.* NET 595.0

95 RZ 979. Full-Track. *$10 Down.* NET .... 595.

95 RZ 982. Dual-Track. For custom mounting. Size: 5x12½x15½
Less case. Shpg. wt., 31 lbs. *$10 Down.* NET .... 545.

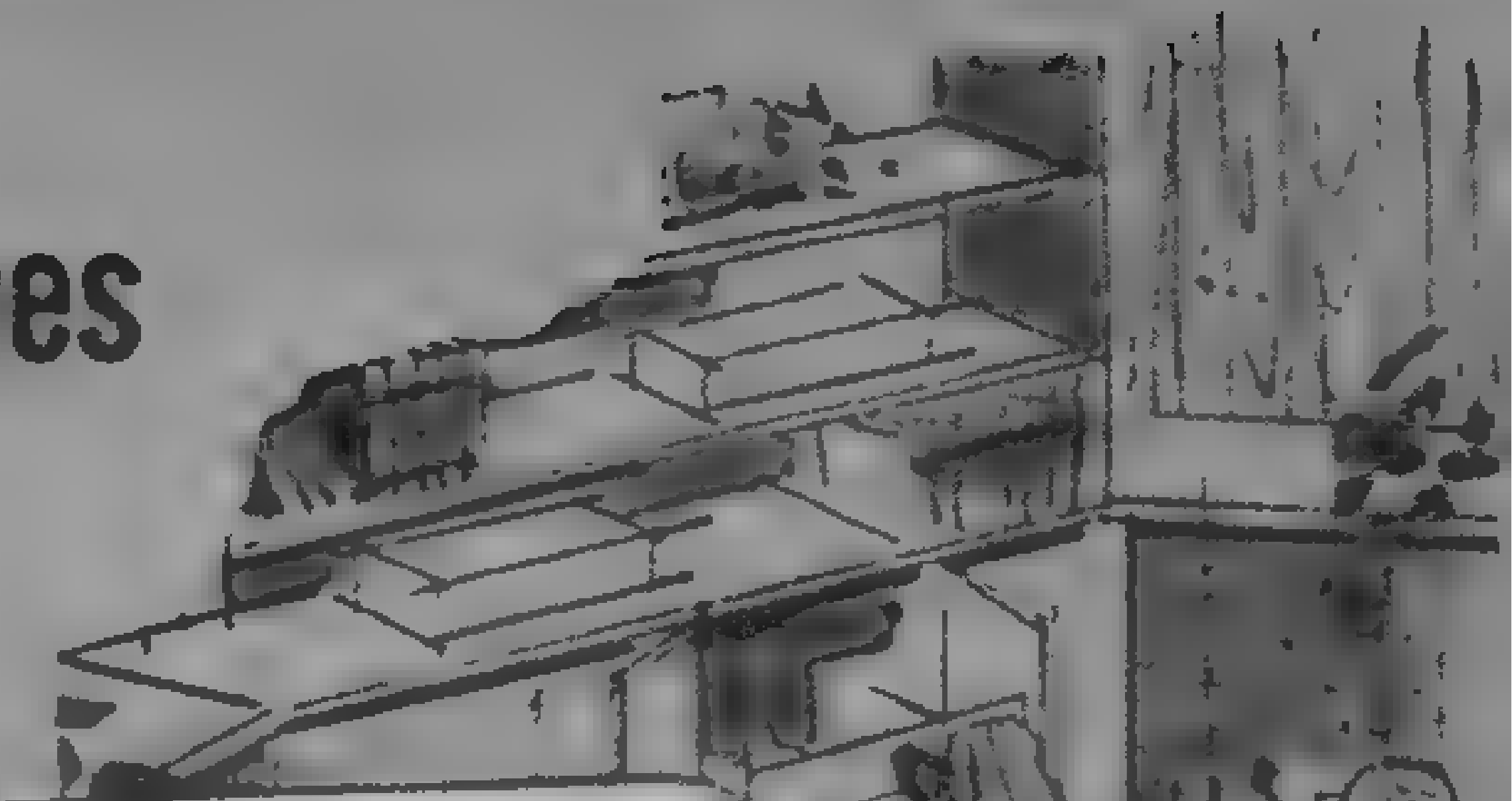
95 RZ 983. Full-Track. For custom mounting. Size: 5x12½x15½".
Less case. Shpg. wt., 31 lbs. *$10 Down.* NET .... 545.

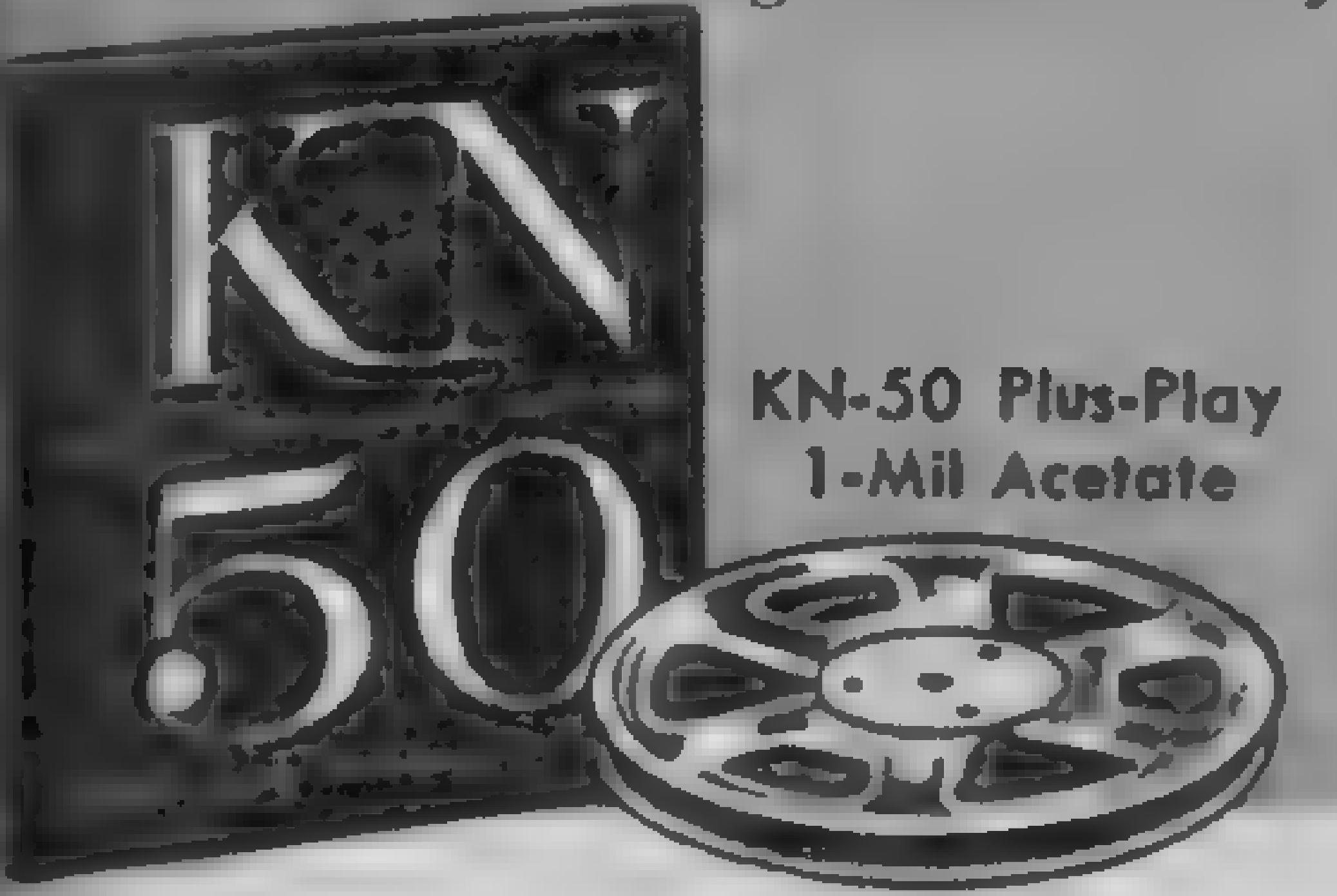
MODEL 601-2 STEREOPHONIC RECORDER. As above, but with ste heads (in-line) dual preamps and meters. 8x13x24½". With ca For 110-120 volts, 60 cycle AC. Shpg. wt., 54 lbs.
91 RZ 775. *Only $10 Down.* NET 995.0

LOW-IMPEDANCE INPUT TRANSFORMER. Plug-in type for use w Series "600". Shpg. wt., ½ lb.
95 R 981. *Only $2 Down.* NET .... 22.

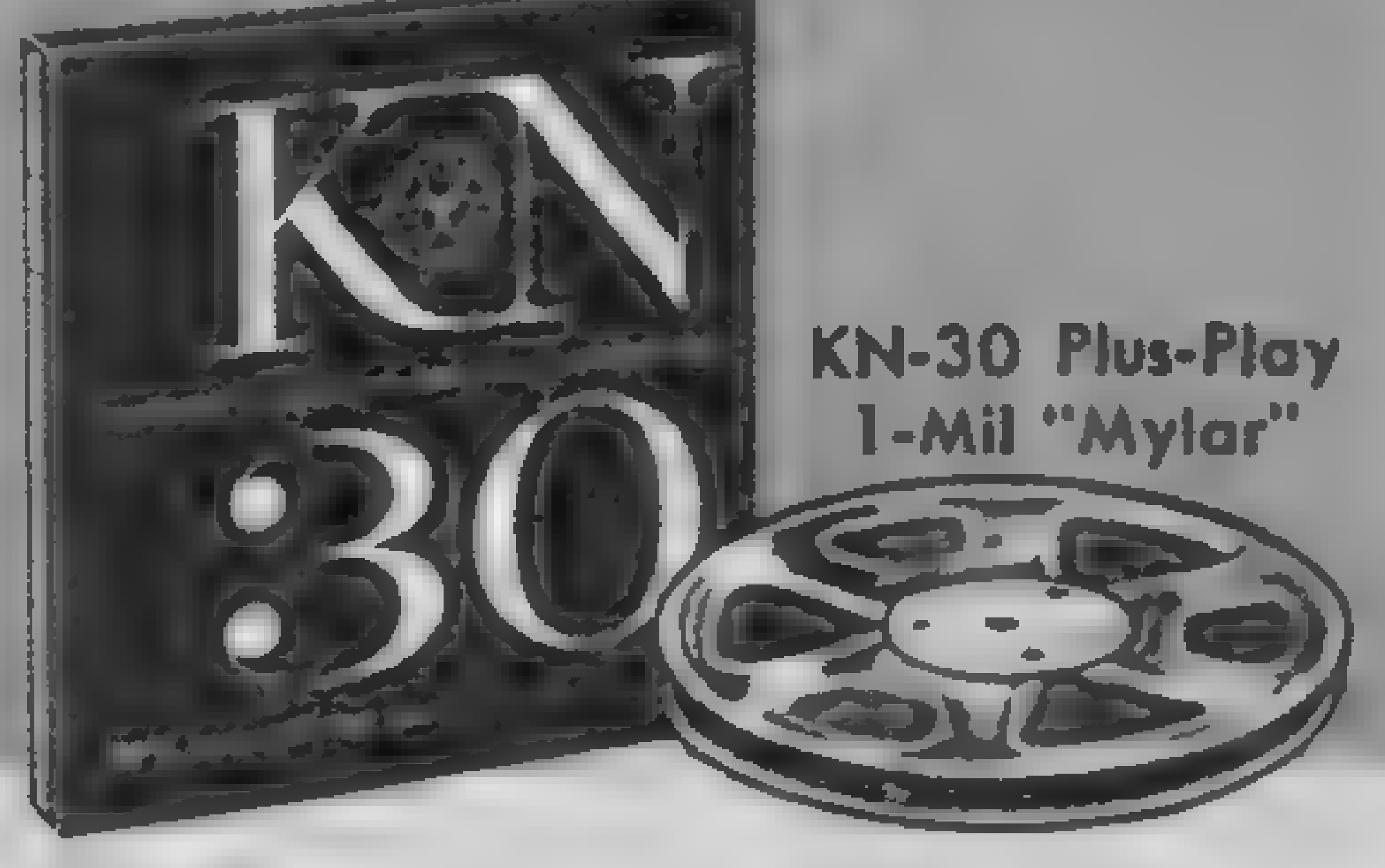
KNIGHT Finest-Quality Recording Tapes

Every reel of Knight recording tape is manufactured to Navy specs W-T-0061 for uniform sensitivity, full frequency response, tensile strength, oxide coating, and resistance to effects of moisture. Furthermore, Knight tape conforms to Allied's high standards—your assurance of optimum performance.





KN-50 Plus-Play
1-Mil Acetate



KN-30 Plus-Play
1-Mil "Mylar"

KN-15 Standard
1½-Mil Acetate

KNIGHT KN-50 PLUS-PLAY 1-MIL "MYLAR"

AS LOW AS $1.73 5-Lot Price

Allied's finest quality recording tape—provides 50% greater recording time than standard tapes—and has Mylar base for extreme strength and break-resistance. Mylar is the most permanent medium yet developed for magnetic recording. Characteristics meet the most critical professional requirements and government specs.

Factory-fresh and splice-free, each reel is sealed in cellophane and packaged in a hinged box suitable for filing. Your cost is far below that of other high-quality tapes. The Mylar base of this outstanding tape provides exceptional reliability, even under adverse conditions—virtually unaffected by extremes in heat, cold and humidity. Mylar makes Knight "Plus-Play" superior to ordinary recording tape.

Stock No.	Footage	Reel Size	Wt., Lbs.	1-4, EACH	5-Up, EACH
R 855	900′	5″	¾	1.92	1.73
R 856	1800′	7″	1½	3.33	2.99

KNIGHT KN-30 PLUS-PLAY 1-MIL ACETATE TAPE

AS LOW AS $1.39 5-Lot Price

One of the most popular recording tapes available today. Offers superior quality, greatly extended playing time (as much as six hours per reel) and genuine savings. Much thinner than standard tape, "Plus-Play" tape is wound 1800 feet to a 7-inch reel, to provide 50% more footage than conventional recording tapes.

The additional length supplied by "Plus-Play" tape permits uninterrupted recordings of entire concerts, conferences, broadcasts, or many other events, on a single tape. Knight "Plus-Play" tape offers maximum fidelity at minimum cost. Thinner base and special coating processes are employed. Uniformly coated with red oxide on cellulose acetate—delivers excellent response. Supplied on transparent molded plastic reels.

Stock No.	Footage	Reel Size	Wt., Lbs.	1-4, EACH	5-Up, EACH
90 R 853	900′	5″	¾	1.55	1.39
90 R 854	1800′	7″	1¼	2.77	2.49

KNIGHT KN-15 STANDARD 1½-MIL ACETATE TAPE

AS LOW AS $1.19 5-Lot Price

Allied's own top-quality acetate-base recording tape—unusually low in cost, and carefully manufactured to fulfill the most critical recording requirements. Delivers outstanding results in professional as well as home recording applications. Rigid manufacturing controls protect the high quality of Knight standard-play tape.

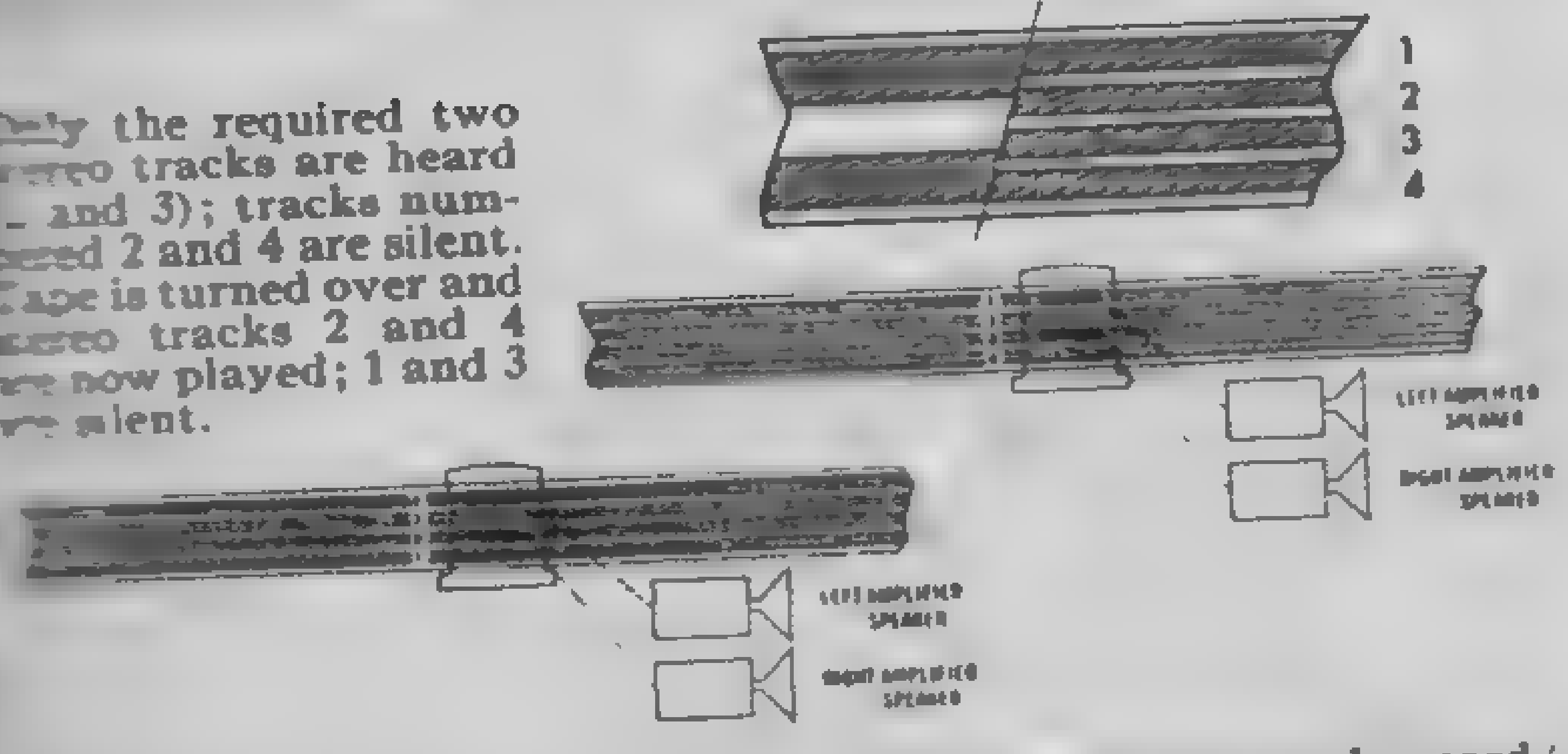
Its pure, red-oxide surface is precision-applied to assure excellent high-fidelity response, noise-free reproduction, uniform output, as well as minimum abrasive action. You can be sure of the exceptional quality of this value-packed recording tape—its performance is comparable with that of any other brand of tape, regardless of price. Guaranteed splice-free for dependable service. Supplied on clear plastic reels.

Stock No.	Footage	Reel Size	Wt., Lbs.	1-4, EACH	5-Up, EACH
90 R 851	600′	5″	½	1.32	1.19
90 R 852	1200′	7″	1	1.88	1.69

Write for prices on Knight recording tape in larger quantities

General Information On
2-TRACK and 4-TRACK
Stereo Tape Recording

Only the required two stereo tracks are heard (1 and 3); tracks numbered 2 and 4 are silent. Tape is turned over and stereo tracks 2 and 4 are now played; 1 and 3 are silent.

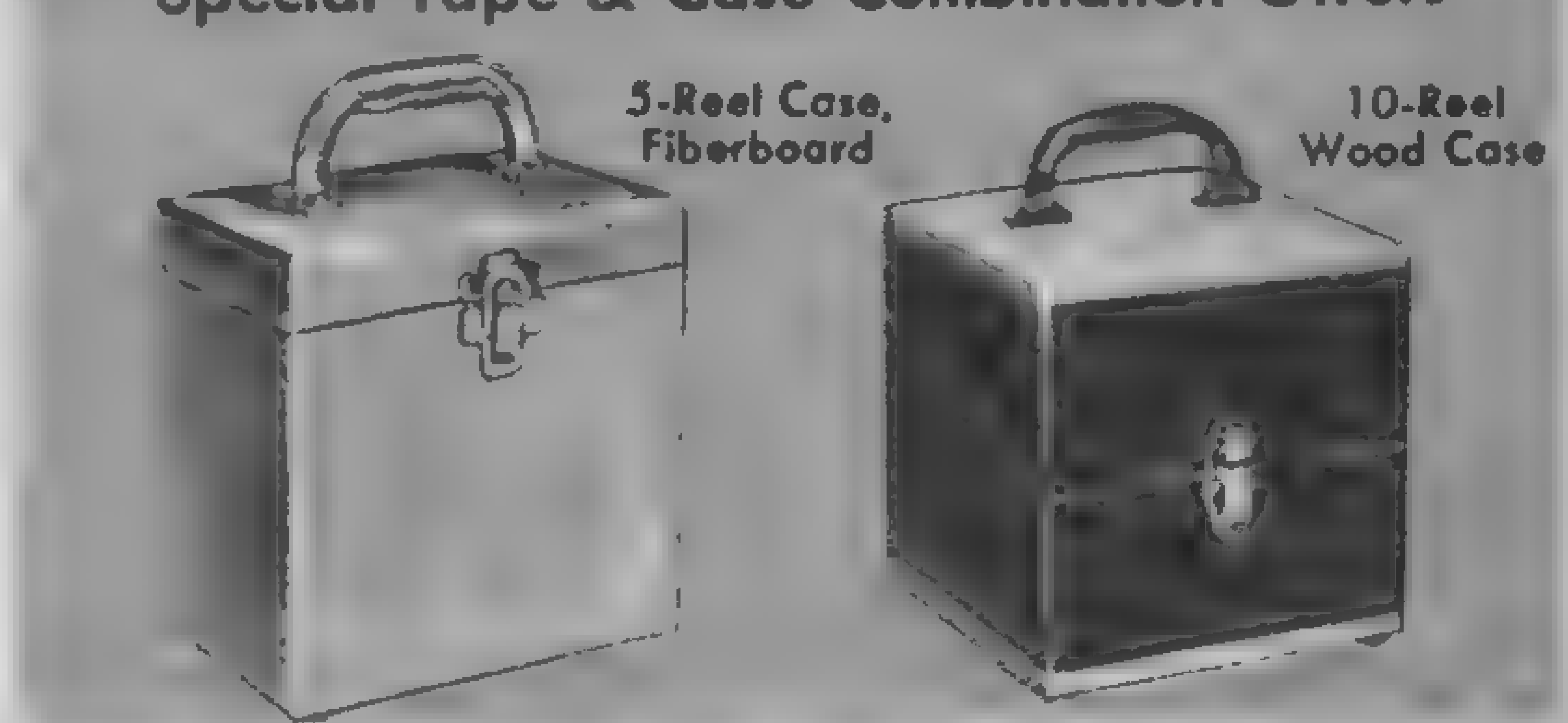


If your tape recorder is equipped with 4-track erase and record/playback heads, you can record monophonically on all four tracks. Two-track heads cannot playback 4-track tape recordings, but 4-track heads can playback 2-track tape recordings.

TAPE PLAYING TIMES

	Reel Size (In.)	Tape Length (Feet)	HALF-TRACK 2-Track Mono, 4-Track Stereo Total Time Both Tracks SPEED (INCHES PER SEC.)			QUARTER-TRACK 4-Track Mono Total Time 4 Tracks SPEED (INCHES PER SEC.)		
			1⅞	3¾	7½	1⅞	3¾	7½
Standard Thickness (1.5 or 1½ mil)	3 4 5 7	150 300 600 1200	½ hr. 1 hr. 2 hrs. 4 hrs.	¼ hr. ½ hr. 1 hr. 2 hrs.	7½ min. ¼ hr. ½ hr. 1 hr.	1 hr. 2 hrs. 4 hrs. 8 hrs.	½ hr. 1 hr. 2 hrs. 4 hrs.	¼ hr. ½ hr. 1 hr. 2 hrs.
Long Play (1 mil)	5 7	900 1800	3 hrs. 6 hrs.	1½ hrs. 3 hrs.	¾ hr. 1½ hrs.	6 hrs. 12 hrs.	3 hrs. 6 hrs.	1½ hrs. 3 hrs.
Extra Play (½ mil)	5 7	1200 2400	4 hrs. 8 hrs.	2 hrs. 4 hrs.	1 hrs. 2 hrs.	8 hrs. 16 hrs.	4 hrs. 8 hrs.	2 hrs. 4 hrs.

Special Tape & Case Combination Offers



5 REELS 1½-MIL ACETATE WITH 5-REEL CASE. Allied's super-value combination offer. Buy five 7″ reels of Knight KN-15 standard-play acetate recording tape (6000 ft.), and receive—at reduced cost—the handy fiberboard carrying case illustrated above. Each reel of tape is individually boxed inside the tape case. Wt., 6 lbs.
90 R 865. ONLY....................9.40

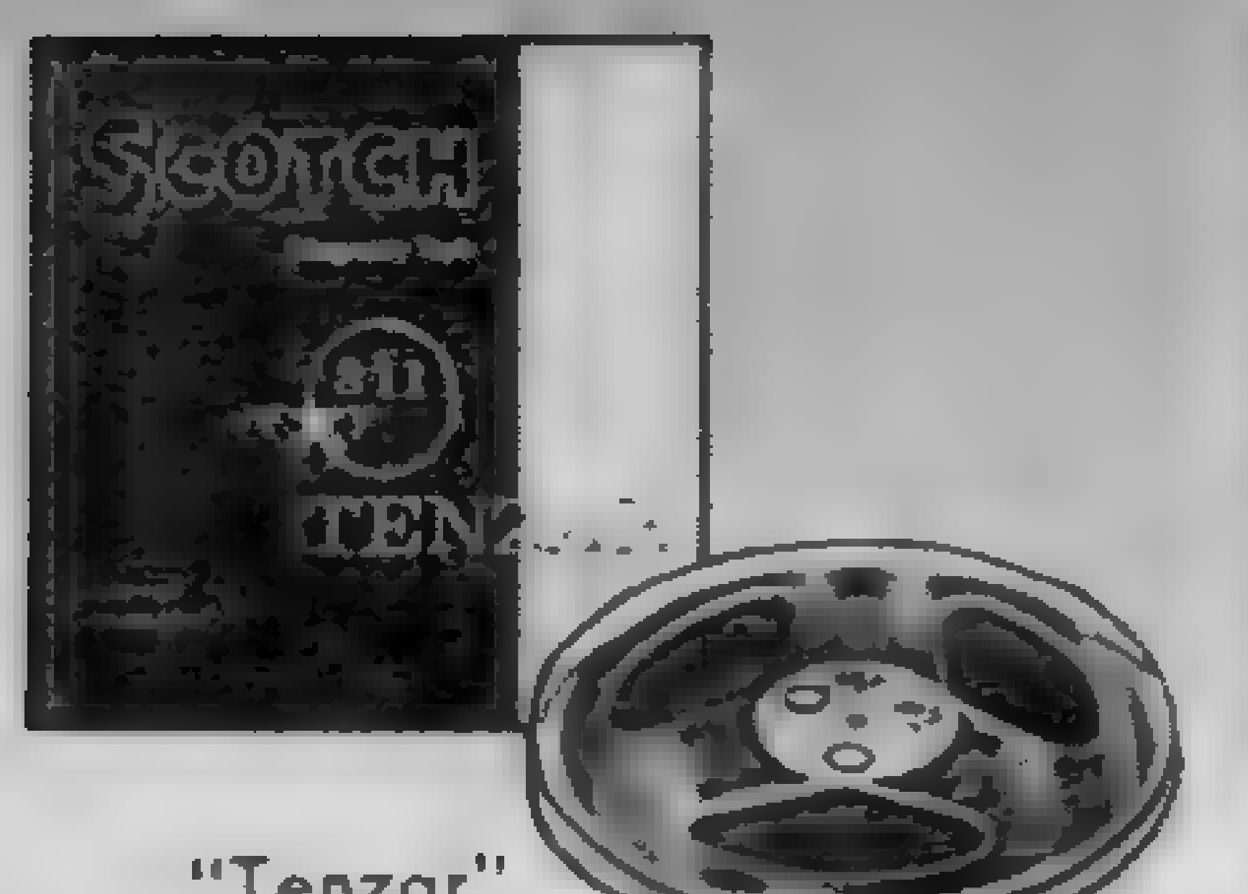
5 REELS 1-MIL ACETATE WITH 5-REEL CASE. Money-saving price on 9000 ft. of superior quality Knight KN-30 1-mil acetate "Plus-Play" recording tape. You save on the five 7″ reels (1800 ft. per reel)—and you save on the case. Guaranteed fresh and splice-free tape—case can also be used for storage. Wt., 6 lbs.
90 R 866. ONLY....................13.40

5 REELS 1-MIL "MYLAR" WITH 5-REEL CASE. Double savings with this offer! Save on five 7″ reels of Knight KN-50 1-mil Mylar tape (1800 ft. per reel)—and save on the tape carrying case. Allied's finest quality tape—provides 50% greater recording time than standard tapes. Extremely strong and break-resistant tool 6 lbs.
90 R 867. ONLY....................15.90

10 REELS 1-MIL ACETATE—FREE 10-REEL CASE. Save on ten 7″ reels of Knight KN-30 "Plus-Play" 1-mil acetate tape—and get the free bonus of a smartly styled, durable, leatherette-covered wood carrying case. You get 18,000 feet of superior-quality tape (as much as 6 hours playing time per reel). Shpg. wt., 14 lbs.
90 R 868. *$2 Down.* ONLY.................24.90

Standard

1-Mil "Mylar"



"Tenzar"

Standard

"AUDIOTAPE" RECORDING TAPE

STANDARD TAPE—1½-MIL ACETATE. Plastic reels except *NARTB aluminum (3" center opening). Av. shpg. wt., 8 oz.

Stock No.	Type	Footage	Reel	List	EACH	Lot Price
96 R 562	151	150′	3"	$0.70	.46	.41†
96 R 561	351	300′	4"	1.35	.88	.79†
96 R 560	651	600′	5"	2.25	1.47	1.32†
96 R 356	1251	1200′	7"	3.50	2.29	2.06†
96 R 357	2551R*	2500′	10½"	10.90	7.12	6.41‡

†NET EACH, 10 or more. ‡ NET EACH, 5 or more.

"LONGER-RECORDING" TAPE—1-MIL ACETATE. 50% more recording time. Plastic reels except *NARTB alum. (3" ctr. opening). 8 oz.

Stock No.	Type	Footage	Reel	List	EACH	Lot Price
92 R 935	941	900′	5"	$3.50	2.29	2.06†
92 R 936	1841	1800′	7"	5.50	3.60	3.23†
92 R 937	3641R*	3600′	10½"	12.85	8.40	7.56‡

†NET EACH, 10 or more. ‡NET EACH, 5 or more.

"LONGER RECORDING" TAPE—1-MIL "MYLAR." 50% more recording time. "Mylar" base. On plastic reels except *NARTB aluminum reel (3" center opening). §Plastic reel in self-mailer carton. Wt., 12 oz.

Stock No.	Type	Footage	Reel	List	EACH	Lot Price
96 R 838	261§	225′	3"	$1.00	.66	.59†
96 R 955	961	900′	5"	3.60	2.35	2.12†
96 R 956	1861	1800′	7"	6.20	4.05	3.65†
96 R 958	3661R*	3600′	10½"	14.40	9.41	8.47‡

†NET EACH, 10 or more. ‡NET EACH, 5 or more.

COLORED BASE TAPE—1½-MIL ACETATE. Same high quality as acetate base (above). Plastic reels. Av. shpg. wt., 8 oz.

No.	Green	No.	Blue	Footage	Reel	EACH	10-Up, EA.
96 R 736	651G	96 R 738	651B	600′	5"	1.47	1.32
96 R 737	1251G	96 R 739	1251B	1200′	7"	2.29	2.06

LOW-PRINT TAPE. Minimizes print-through of signal while tape is in storage. *1½-mil acetate. †1½-mil "Mylar." Av. shpg. wt., 12 oz.

Stock No.	Mfr's Type	Footage	Reel Size	List	1-4, EACH	5-9, EACH	10-UP, EACH
92 R 931	1251-M*	1200′	7"	$4.30	2.80	2.80	2.53
92 R 930	2551R-M*	2500′	10½"	12.50	8.16	7.35	7.35
92 R 932	1271M†	1200′	7"	5.10	3.33	3.33	3.00
92 R 933	2571R-M†	2500′	10½"	13.50	8.82	8.82	7.94

TEMPERED "MYLAR" TAPE. Has twice the strength of conventional ½-mil tape. Plastic reel. Av. shpg. wt., 8 oz.

Stock No.	Type	Reel	Length	List	1-9, EA.	10-Up, EA.
92 R 959	1231T	5"	1200′	$5.45	3.56	3.20
92 R 960	2431T	7"	2400′	9.50	6.20	5.59

TAPE RECORDER REELS. 10½". With box. *3" center. Wt., 8 oz.

Stock No.	Type	Description	List	1-4, EA.	5-Up, EA.
96 R 358	10RB	NARTB aluminum*	$4.00	2.62	2.35
96 R 997	10FS	Fiberglass, EIA adapterless 5/16" center			

"MYLAR" SELF-TIMING LEADER TAPE. 100 ft. of white "Mylar" leader tape. Has spaced markings for timing. Shpg. wt., 5 oz.
92 R 938. List, 55¢. **NET**............................37c

"SCOTCH" RECORDING TAPE

NEW TYPE 311 "TENZAR" TAPE. Extra-tough tape for severest heav duty use requiring continuous play and constant handling. Tear an stretch-resistant; non-drying. Includes "end-of-reel" clip. Wt., 10

Stock No.	Type	Footage	Reel	List	1-11, EACH	12-U EAC
90 R 956	311-6	600′	5"	$2.40	1.60	1.44
90 R 957	311-12	1200′	7"	3.75	2.50	2.25

TYPE 111 STANDARD TAPE—1½-MIL ACETATE. General-purpose ac tate base recording tape of high quality. Supplied on high-streng molded plastic reel, except *aluminum NAB reel (3-inch cent opening). Av. shpg. wt., per reel, 8 oz.

92 R 991	111-1.5	150′	3"	$ .70	.46	.41
92 R 992	111-3	300′	4"	1.35	.88	.79
92 R 993	111-6	600′	5"	2.25	1.47	1.3
92 R 994	111-12	1200′	7"	3.50	2.29	2.0
92 R 995	111-24R*	2400′	10½"	10.90	7.13	6.4

TYPE 190 EXTRA-PLAY TAPE—1-MIL ACETATE. Thin acetate base p vides 50% more playing time on standard size reels. *NAB alum num reel (3" center opening). Av. shpg. wt., 12 oz.

92 R 996	190-9-100G	900′	5"	$3.50	2.29	2.06
92 R 997	190-18-100G	1800′	7"	5.50	3.60	3.23
92 R 998	190-36R-100G*	3600′	10½"	12.85	8.40	7.5

TYPE 150 EXTRA-PLAY TAPE—1-MIL MYLAR. Extra-strong "Myla plastic base tape. Plastic reels except *NAB aluminum 10½" r (3" center opening). Av. shpg. wt., 12 oz.

92 R 900	150-9	900′	5"	$3.60	2.35	2.1
92 R 901	150-18	1800′	7"	6.20	4.04	3.6
92 R 903	150-36R*	3600′	10½"	14.40	9.41	8.4

TYPE 120-12 HIGH-OUTPUT TAPE—1½-MIL ACETATE. 8 to 12 db hig output. 1200′. Plastic 7" reel. Shpg. wt., 12 oz.
92 R 999. 12-UP, EACH......3.24 1-11, NET EACH.......3.6

LOW-PRINT TAPE—1½-MIL ACETATE. Minimizes print-through duri storage. Shpg. wt., 12 oz.

Stock No.	Type	Footage	Reel	List	1-11, EA.	12-Up, E
92 R 917	131-12	1200′	7"	$ 4.40	2.88	2.59
92 R 918	131-24R	2400′	10½"	12.40	8.10	7.29

TYPE 200 TENSILIZED TAPE. Super-strength, long-play tape. Polyes ¾-mil base. Av. shpg. wt., 12 oz.

92 R 471	200-3	300′	3"	1.60	1.05	.94
92 R 934	200-24	2400′	7"	9.50	6.20	5.58

EMPTY PLASTIC REELS. With index box. Av. shpg. wt., 4 oz.

Stock No.	Reel Size	List	1-11, EACH	12-Up, EA
96 R 237	3"	25c	17¢	15¢
96 R 349	4"	55c	37¢	33¢
96 R 236	5"	65c	44¢	39¢
96 R 194	7"	75c	50¢	45¢

ONE-REEL MAILING BOXES. Shpg. wt., 3 oz.

96 R 324	5"	15c	10¢	9¢
96 R 323	7"	20c	13¢	12¢
96 R 322	10½"	30c	20¢	18¢

REEVES SOUNDCRAFT RECORDING TAPE

Standard
1½-Mil
Acetate

"Plus-50"
1-Mil
"Mylar"

COMBINATION OFFERS—REELS OF TAPE IN CHESTS. Get the tape of your choice, plus a convenient case to store it in. Tape chest holds five reels. Size, 8x7¾x7½".

Stock No.	Type	Tape	Reels	Lbs.	List	NET EACH
90 R 963	SC-7	"Red Diamond"	5—1200′	8	$17.50	11.45
96 R 953	LC-7	"Lifetime"	5—1200′	8	21.25	13.87
96 R 952	PLC-7	"Plus-50"	5—1800′	9	29.00	18.96
96 R 959	7STC	Tape Chest Only		4	1.50	.98

"LIFETIME" TAPE—1½-MIL "MYLAR." Micropolished. On plastic re Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Footage	Reel Size	1-9, EA.	10-Up,
96 R 968	L-6	600′	5"	1.73	1.5
96 R 969	L-12	1200′	7"	2.77	2.5

STANDARD TAPE—1½-MIL ACETATE. Micropolished. Acetate b On plastic reels. Av. shpg. wt., 8 oz.

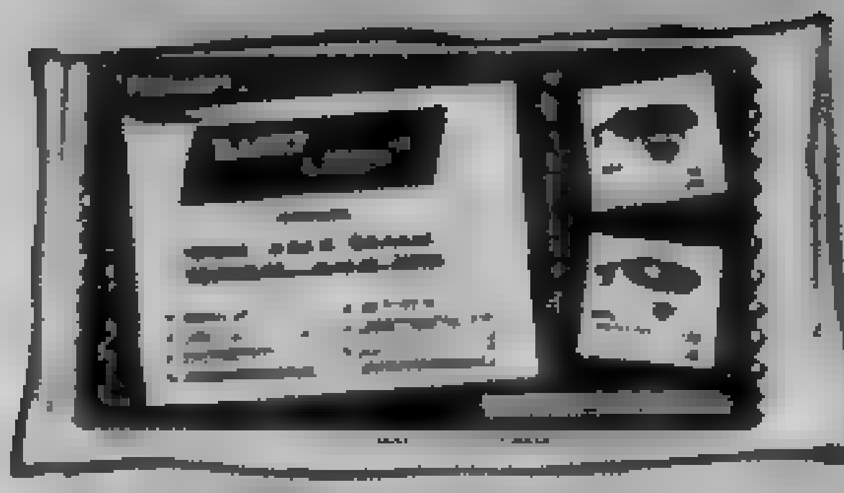
90 R 959	S-1	150′	3"	.41	.3
90 R 960	S-3	300′	4"	.81	.7
90 R 961	S-6	600′	5"	1.37	1.2
90 R 962	S-12	1200′	7"	2.29	2.0

"PLUS-50" TAPE—1-MIL "MYLAR." 50% more footage. Av. wt., 8

92 R 952	PL-2	225′	3"	.62	.5
96 R 972	PL-9	900′	5"	2.22	2.0
96 R 973	PL-18	1800′	7"	3.79	3.4

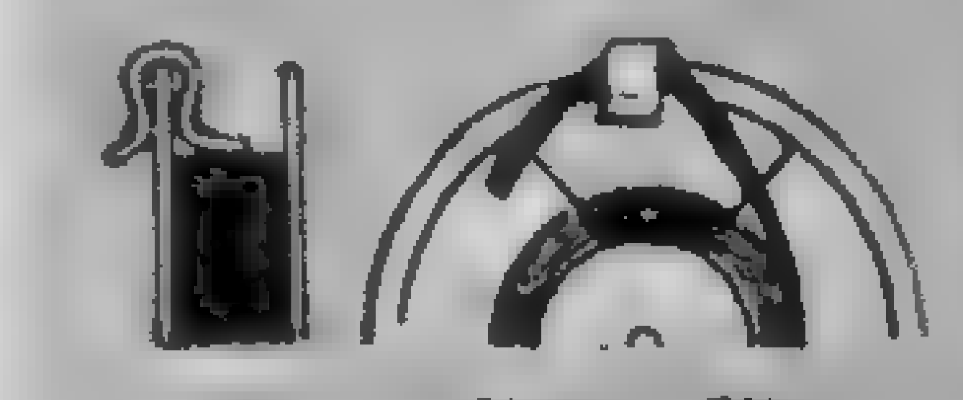
XP-24 "PLUS 100" TAPE—½-MIL "MYLAR". Extra-long play mi polished tape. Requires careful handling. 2400′. 7" plastic reel. 14 oz.
95 R 917, 10-Up, EACH 3.82 NET EACH................4.

OBINS Tape Recording Accessories

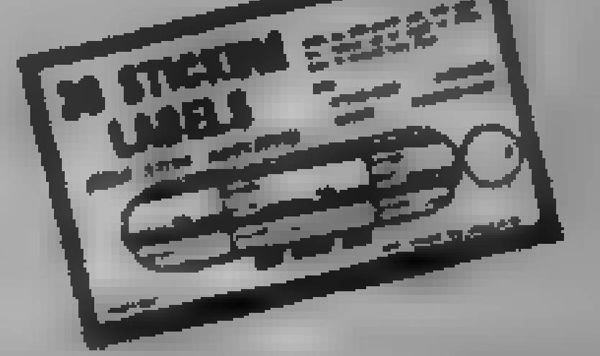


JCT-2 Jockey Cloth

TT-1 Tape Threader



TC-12 Tape Clip



SL-30 Labels

TE-24 Tape Book

HC-2 Head Cleaner

2 JOCKEY CLOTH FOR TAPES. Cleans, ricates and protects tape by depositing a thin film of silicone. Just apply cloth le running tape through player or re- der. Reduces squeal, chatter, and head tape wear. Cloth is washable—may be used. Shpg. wt., 3 oz.
R 988. List, $1.00. NET..........**73c**

2 TAPE CLIPS. Handy clips to keep tape unwinding. In plastic box. Shpg. wt., pkg., 3 oz. 12 per pkg.
R 989. List, 40c. PER PKG.........**29c**

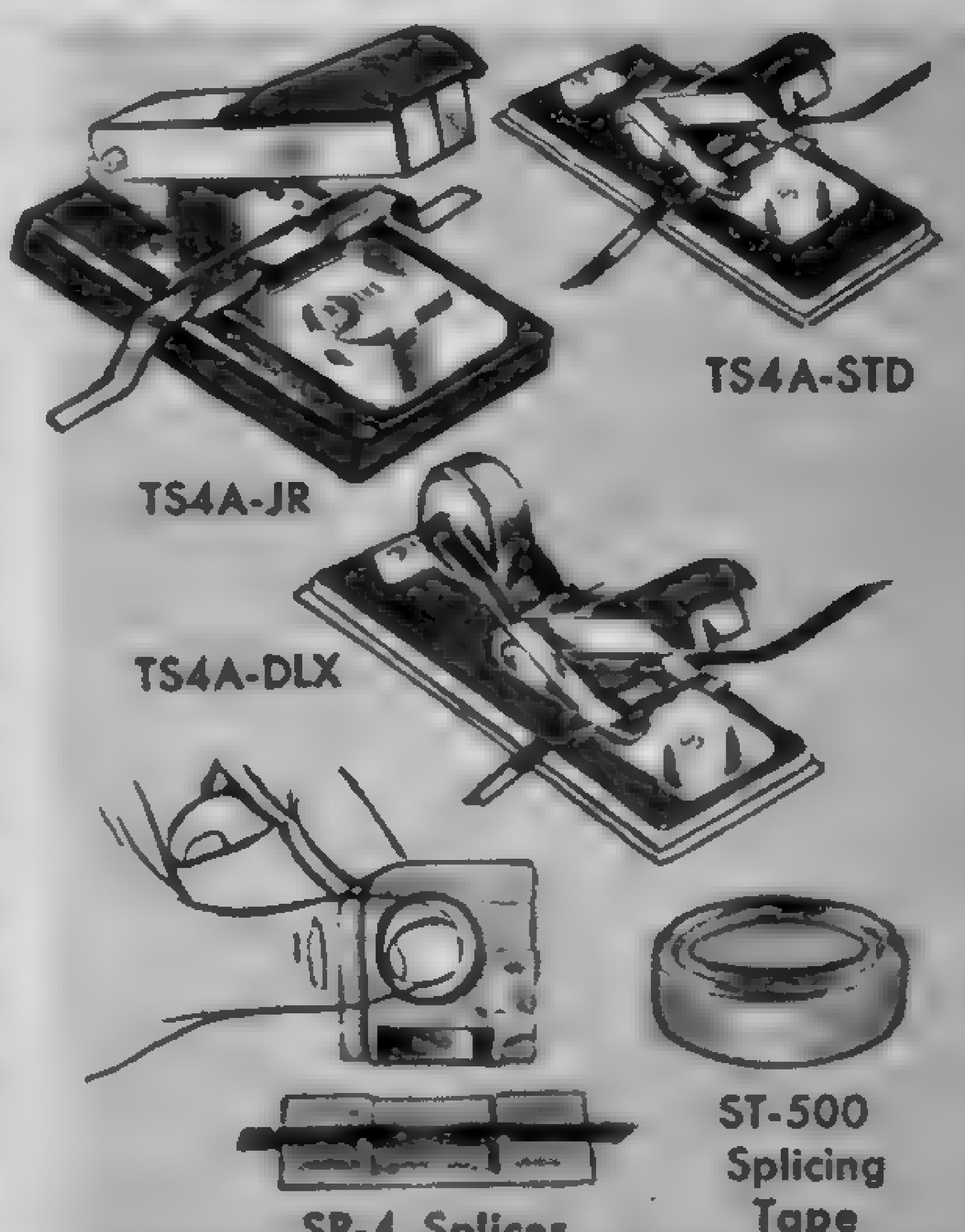
TAPE EDITING AND SPLICING BOOKLET. N. M. Haynes. Written for the profes- and the amateur tape recordist. High- formative, this authoritative booklet you get more use and enjoyment from r tape recorder. Contains a variety of on spliceless editing; dubbing; erasure icks, ticks or "pop"; erase-fading; etc. rated. Size, 6x9". 24 pages.
R 847. Postpaid in U.S.A..........**25c**

TT-1 TAPE THREADER. No more awkward fumbling—place your tape against the reel, slip on threader, turn crank a few times, and tape is securely threaded on the reel. For reels to 7". Shpg. wt., 2 oz.
96 R 713. List, $1.00. NET..........**73c**

SL-30 REEL LABELS. Contains 30 adhesive labels that can be written or typed on, prior to removal from sheet. Shpg. wt., 2 oz.
90 R 929. List, 25c. NET..............**12c**

HC-2 TAPE HEAD CLEANER. A fast, highly efficient solvent for cleaning recording heads. Easily removes dirt, grime, and accumulated oxides from heads—reduces annoying distortion. Bottle cap has attached brush applicator for added convenience. A valuable "must" for every stereo and monophonic tape enthusiast. Complete with instructions. Bottle contains 2 fluid ounces Shpg. wt., 4 oz.
90 R 921. List, $1.00. NET..........**73c**

PROFESSIONAL SPLICES WITH THIS TOP-QUALITY TAPE SLICING EQUIPMENT



A-JR TAPE SPLICER. Compact tape splicer gned for rapid tape editing and repair- Employs replaceable cutter cartridge two operating positions—miter cut trimming cut. First position cuts tape gonally, second position presses splicing over diagonal cut and trims concave tation on either side of splice to pre- binding. Uses ½" splicing tape. With ades. 2x3". Shpg. wt., 7 oz.
R 983. List, $6.50. NET........**4.78**

A-DLX TAPE SPLICER. As above, with at- d splicing tape dispenser, toggle-action down fingers, dust cover and splicing 2¼x5⅜". Wt., 12 oz.
R 984. List, $11.50. NET.......**8.46**

TS4A-STD TAPE SPLICER. Same as Model TS4A-DLX described at left, but less splicing tape and dispenser. Includes dust cover and 3 cutting blades. Shpg. wt., 8 oz.
92 R 985. List, $8.50. NET.........**6.25**

SP-4 "SEMI-PRO" TAPE SPLICER. Small, low-cost, hand-held tape splicer—makes diagonal and concave trim cuts described at left under TS4A-JR. Consists of tape alignment guide and cutting surface, cutting unit, and blade cover. Shpg. wt., 2 oz.
92 R 986. List, $3.50. NET.........**2.57**

ST-500 SPLICING TAPE. Roll of quality splicing tape. ½" wide; 100" length. 2 oz.
95 R 713. List, 50c. NET...........**36c**

DY ROBINS TAPE ACCESSORIES KITS. Contain everything you need for better care of your s and tape heads, and easier tape splicing and editing.

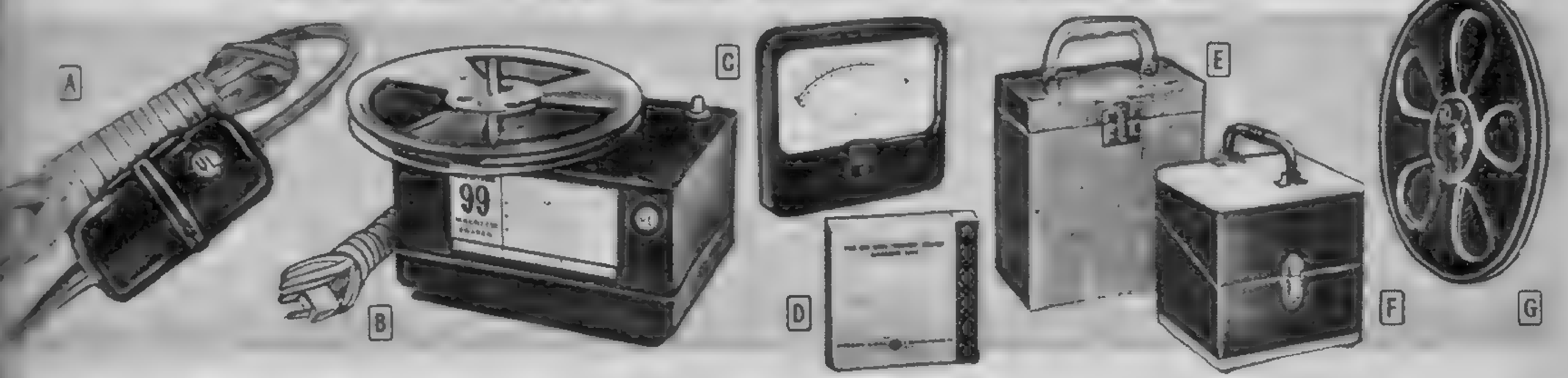
DEL TK-2 KIT. Includes: HC-2 recording head cleaner and JCT-2 chemically treated ckey" cloth for cleaning and lubricating tapes. Shpg. wt., 8 oz.
R 925. List, $2.00. NET..**1.20**

DEL TK-4H KIT. Includes: H4 tape splicer, JCT-2 "jockey" cloth, ST-500 splicing tape. -12 tape clips, and TE-24 tape booklet. Shpg. wt., 1 lb.
R 924. List, $3.50. NET..**2.10**

EL TK-4JR KIT. Includes: TS4A-JR tape splicer, HC-2 recording head cleaner, ST-500 cing tape, TT-1 tape threader, JCT-2 "jockey" cloth, TC-12 tape clips, SL-30 adhesive labels, and TE-24 tape booklet. Shpg. wt., 1½ lbs.
R 923. List, $10.00. NET..**6.45**

EL TK-4STD KIT. As above, but TS4A-STD splicer in place of TS4A-JR. 1½ lbs.
R 648. List, $12.00. NET..**7.95**

SELECTED TAPE RECORDING ACCESSORIES



OBINS MODEL HD-6 TAPE HEAD DEMAGNETIZER. Compact and sy to use. Just place flat surface of demagnetizer pole piece on of head and slowly remove. Neutralizes any residual magnetism. long; 1¼" diameter. For 110 v., 60 cycle AC. 1 lb.
990. List, $10.00. NET..................................**7.35**

W ROBINS MODEL ME-99 BULK TAPE ERASER. Highly efficient d easy to use. Erases an entire reel of tape at one time; accepts ze reel up to 10". Reduces background noise levels of tapes 3 to 6 db below normal erase head levels. Can demagnetize p to ½" wide. Size, 5¼x6¾x3¾". For 110-120 v., 50-60 e AC. Shpg. wt., 8½ lbs.
922. List, $33.00. *Only $2 Down.* NET............ **24.25**

W ROBINS MODEL VU-100 4½" VU METER. Make better recordgs with this precision unit. Helps prevent overload distortion. scale calibrated 0-100 in modulation percentage and −20 to U. Has dual-impedance input. Sensitivity, 200 μa; shunts for 12-v. "zero" VU operation. Mounts in 2¾" dia. hole; depth panel is 1½". Shpg. wt., 1 lb.
930. List, $24.95. NET..................................**15.95**

D **"SCOTCH" TYPE 41-½S SPLICING TAPE.** Coated one side with non-run adhesive. 150". ½" wide, on handy dispenser. Wt., 3 oz.
96 R 232. NET..**34c**

E **5-REEL TAPE CARRYING CASE.** Holds five 7" reels of tape. Fiberboard; plastic handle. 7¾x7⅝x3⅜". Wt., 1 lb.
99 R 172. NET..**1.49**

F **10-REEL TAPE CARRYING CASE.** Stores ten 7" reels. Constructed of wood with brown and white simulated-leather covering. Plastic handle. 8½x8½x8¾". Shpg. wt., 3¼ lbs.
96 RX 580. NET..**5.95**

G **AUDIO COLORED PLASTIC REELS.** Attractive colored plastic reels (less tape) available in popular colors. Choice of 5" and 7" sizes. Supplied in boxes. Av. shpg. wt., 4 oz.

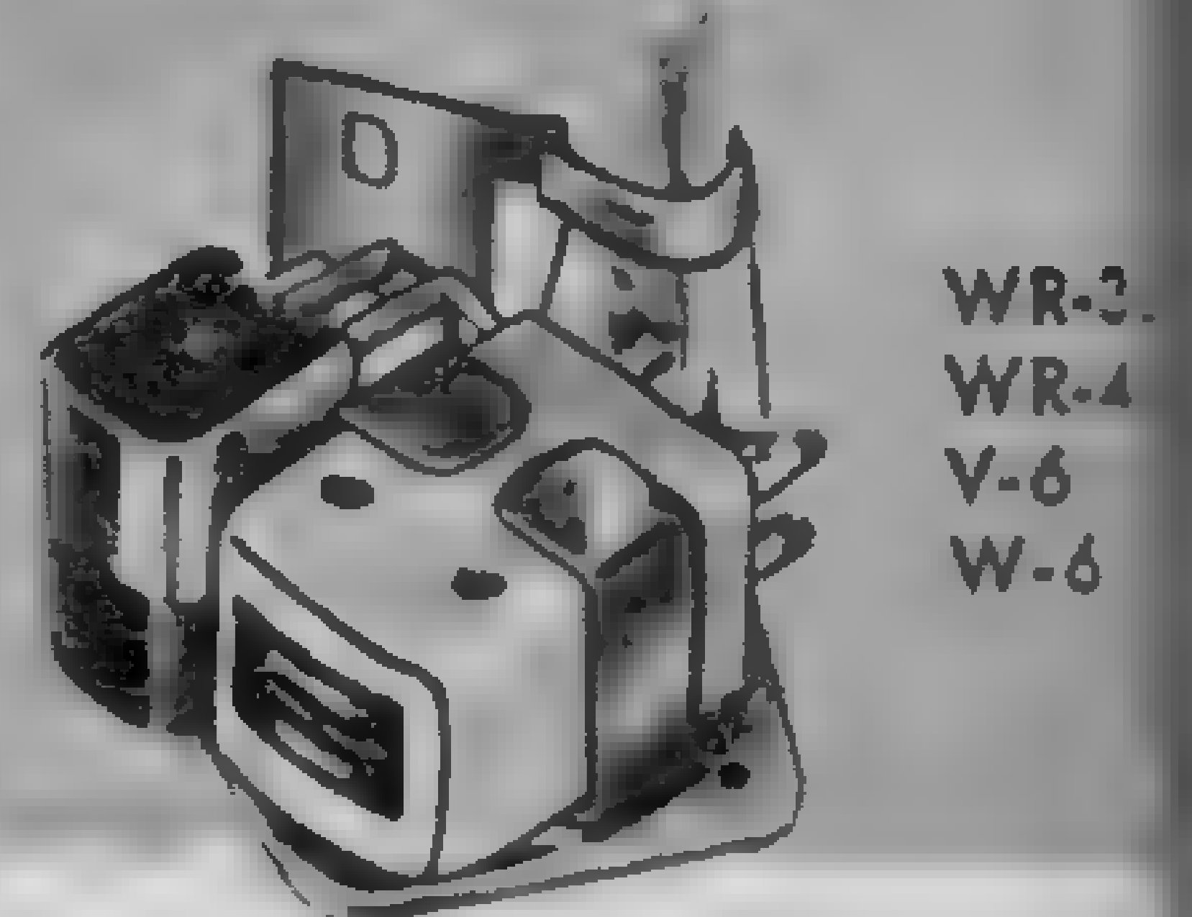
Reel	Stock No.					List	NET EACH	
	Clear	Red	Yellow	Green	Blue		1-9	10-Up
5"	96 R 748	96 R 740	96 R 742	96 R 744	96 R 746	60¢	39¢	35¢
7"	96 R 749	96 R 741	96 R 743	96 R 745	96 R 747	75¢	49¢	44¢

Nortronics ...For Better Recording

SW-80 RECORD/PLAY SWITCH. Extremely convenient control center for use with any stereo R/P head and RA-100 recording amplifier listed below. Provides instant control of stereo and monophonic record and playback operations on either 2 or 4 tracks. Selects either tracks one and three or tracks two and four—no need to disconnect cables from equipment of system. Handy for track selection of more than two tracks when employing multiple track, sound-on-sound recording techniques; ideally suited for recording special effects quickly and easily. Five pushbutton controls: Record, Upper, Add, Lower and Play. Record and play interlock to prevent accidental erasure. Input signals may be monitored without recording. Allows mixing both outputs for stereo-monophonic comparison. 2⅝x5⅜x4⅞". Shpg. wt., 2 lbs.
90 R 900. *Only $2 Down.* **NET**........................25.50

MODEL PL-100 PLAYBACK AMPLIFIER. Quality playback amplifier designed to match any high-impedance magnetic tape head. The basic unit you will need for playing stereo tapes is one of the stereo tape heads listed below. PL-100 units can be used in pairs with a stereo head or with any stereo phono cartridge. Outputs for connection to a speaker, or to the high-level input of a basic amplifier. No soldering required—a screwdriver is all you need. *Low-level Inputs:* tape head, magnetic phono cartridge. *High-level Input:* tuner or ceramic cartridge. *Outputs:* 4, 8, 16 ohms; 1v. cathode followers. *Equalization:* continuously variable, with NAB and RIAA. *Power Output:* 3 watts, push-pull triodes. *Response:* 30-15,000 cps. ±2 db. 2% harmonic distortion. 2⅝x5x8⅜". For operation from 110-120 volts, 60-cycle AC. Shpg. wt., 6 lbs.
92 R 980. *Only $2 Down.* **NET**........................46.50

RA-100 RECORDING AMPLIFIER. Universal amplifier—can be adjusted for use with any tape head. To record stereo tapes, you will need one of the stereo tape heads listed below and two RA-100 units. The same head can be employed for both stereo record and playback by disconnecting it from the RA-100's and plugging it into the playback amplifying system. Supplies audio power, bias voltage and erase head power. Has full NAB equalization, VU meter and monitor jack. No soldering required. *Low-level Input:* mike, tape head or magnetic phono cartridge *High-level Input:* tuner or ceramic cartridge. *Outputs:* audio and 65 kc bias to recording head (currents adjustable), high (10K to 20K) or low (20 to 30 ohms) impedance to erase head. −55 db signal-to-noise. 2⅝x5⅜x8". For 110-120 v., 60-cycle AC. Shpg. wt., 6 lbs.
92 R 981. *$5 Down.* **NET**........................57.50



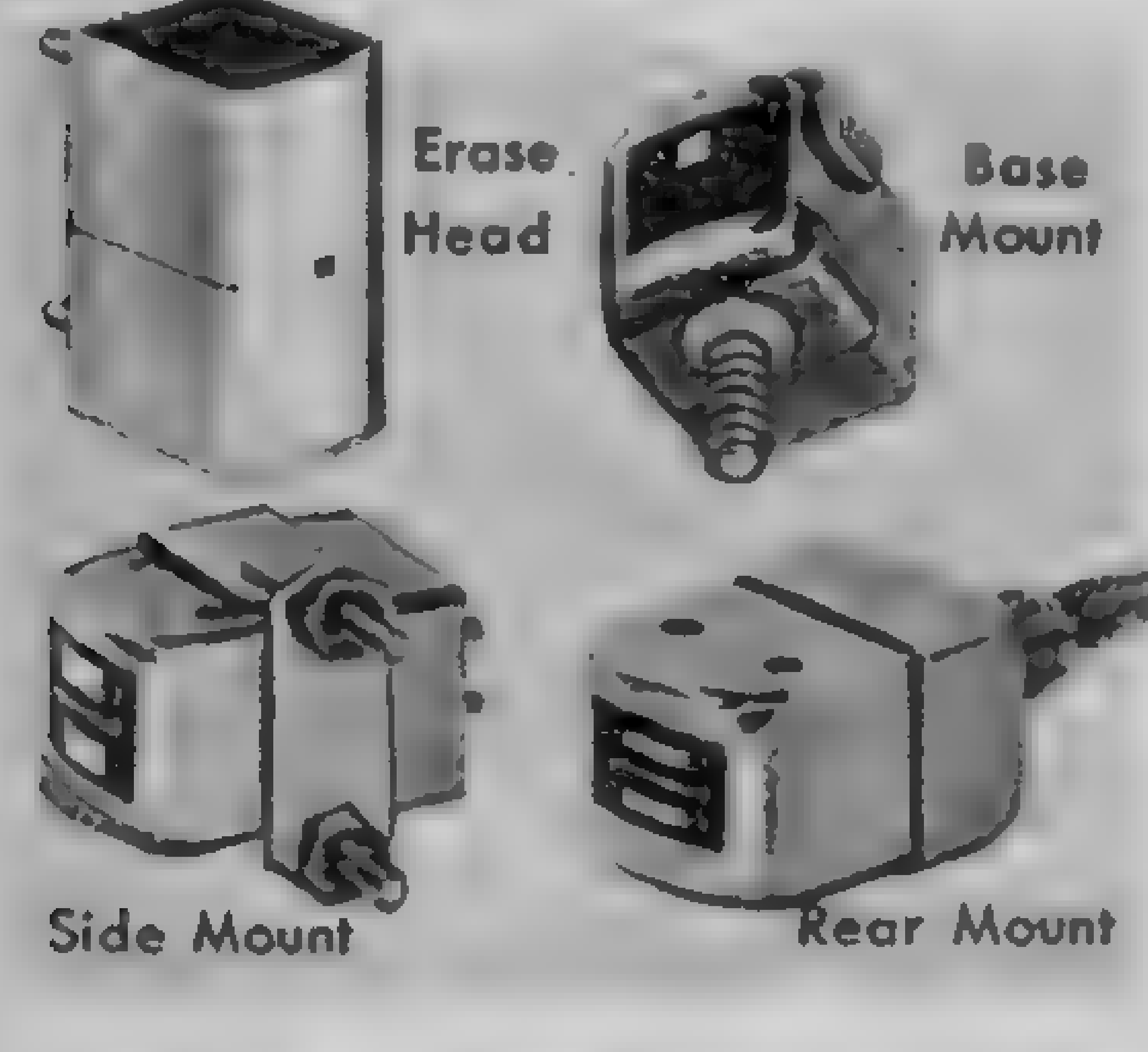
CONVERSION KITS

MODEL WR-35. 4-track stereo conve kit for all Revere and Wollensa track stereo tape recorders. Kit inc 4-track replacement head and Shifter which permits playing track tapes also. Does not affect a of recorder to record/play monop ically. Shpg. wt., 12 oz.
90 RC 938. *$2 Down.* **NET**...25

MODEL WR-40. 4-track stereo conve kit for all Revere and Wollensak m phonic recorders. Includes 4-track head, monophonic erase head, Shifter and all cables. Wt., 12 oz.
90 RC 937. *$2 Down.* **NET**...32

MODEL V-6. Convenient conversio for use with all V-M 2-track tap corders. Adapts recorders for both 4-track stereo playback and m phonic record. Shpg. wt., 6 oz.
90 RC 939. *$2 Down.* **NET**...25

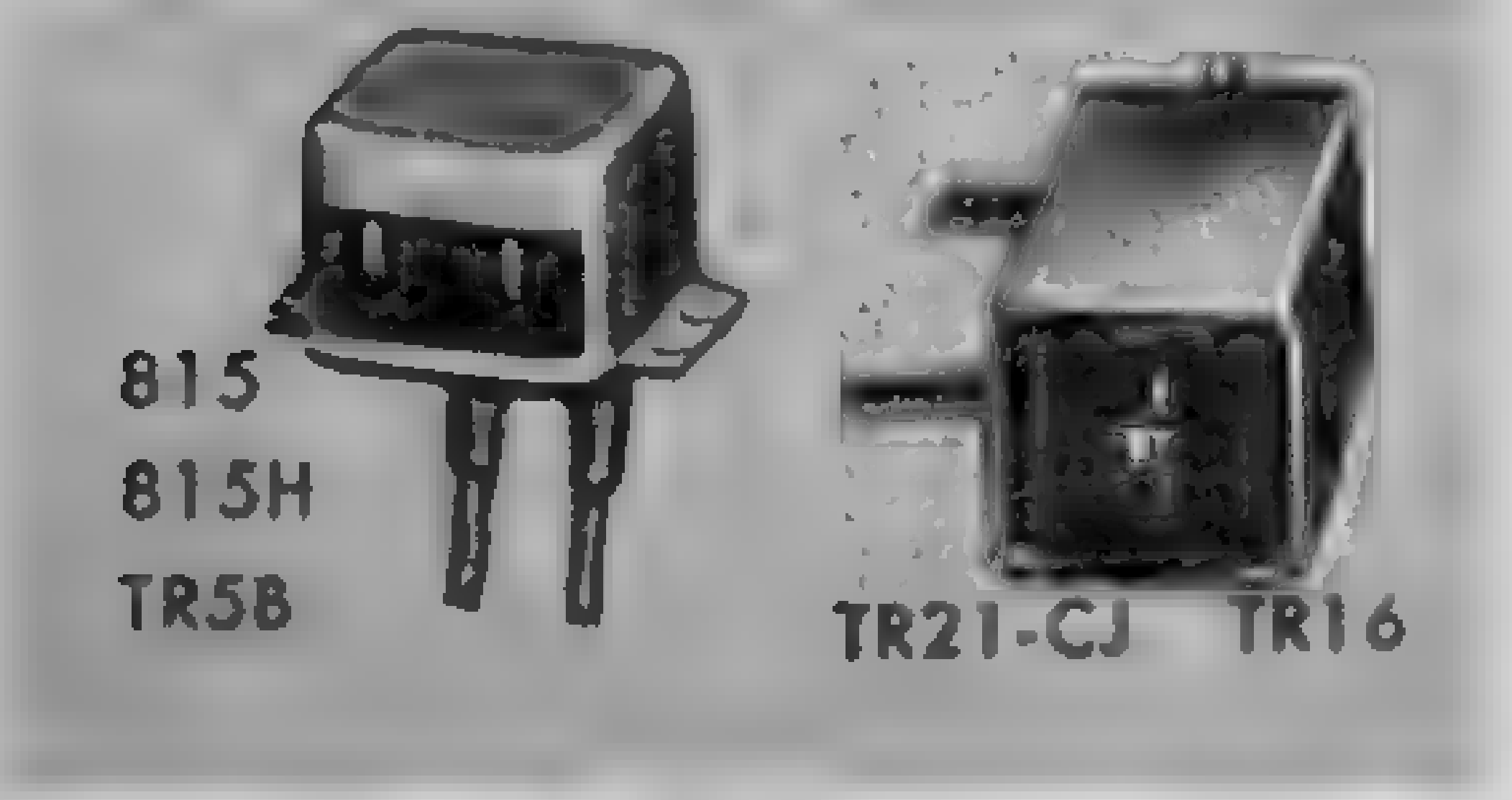
MODEL W-6. Stereo conversion kit Webcor Series 2000 (except 2020). and 2900 tape recorders. Conver stereo playback; retains monoph record and play. Has convenient Shifter for playback of 2 and 4- stereo tapes. Shpg. wt., 12 oz.
90 RC 940. *$2 Down.* **NET**...25.



2 AND 4-TRACK STEREO AND MONOPHONIC TAPE HEADS

Professional-type tape recorder heads for general replacement or modernization app tions. Feature laminated core design for superior response and sensitivity characteri lapped for maximum uniformity. All heads listed below are high impedance for ge applications. Response of stereo heads: 30-15,000 cps, 50 db cross-talk rejection; monop ic heads: 30-13,000 cps. All erase heads have double gap giving 60 db erasure. Availab choice of base mount, side mount or rear mount—in either 2 or 4 track units. Complete instructions. Av. shpg. wt., 6 oz.

Base Mount Stock No.	Side Mount Stock No.	Rear Mount Stock No.	Mfr's Type	Description of Head	N E
90 RC 931	90 RC 932	90 RC 933	TLB-2	4-Track stereo r/p	21
90 RC 904	90 RC 905	90 RC 906	SE-50-1	4-Track stereo erase	12
90 RC 934	90 RC 935	90 RC 936	TLA-3	2-Track stereo r/p	23
90 RC 910	90 RC 911	90 RC 912	SE-100-2	2-Track stereo erase	12
90 R 913	90 R 914	90 R 915	SLS-1	2-Track mono r/p	8
90 R 916	90 R 917	90 R 918	ME-100-2	2-Track mono erase	7

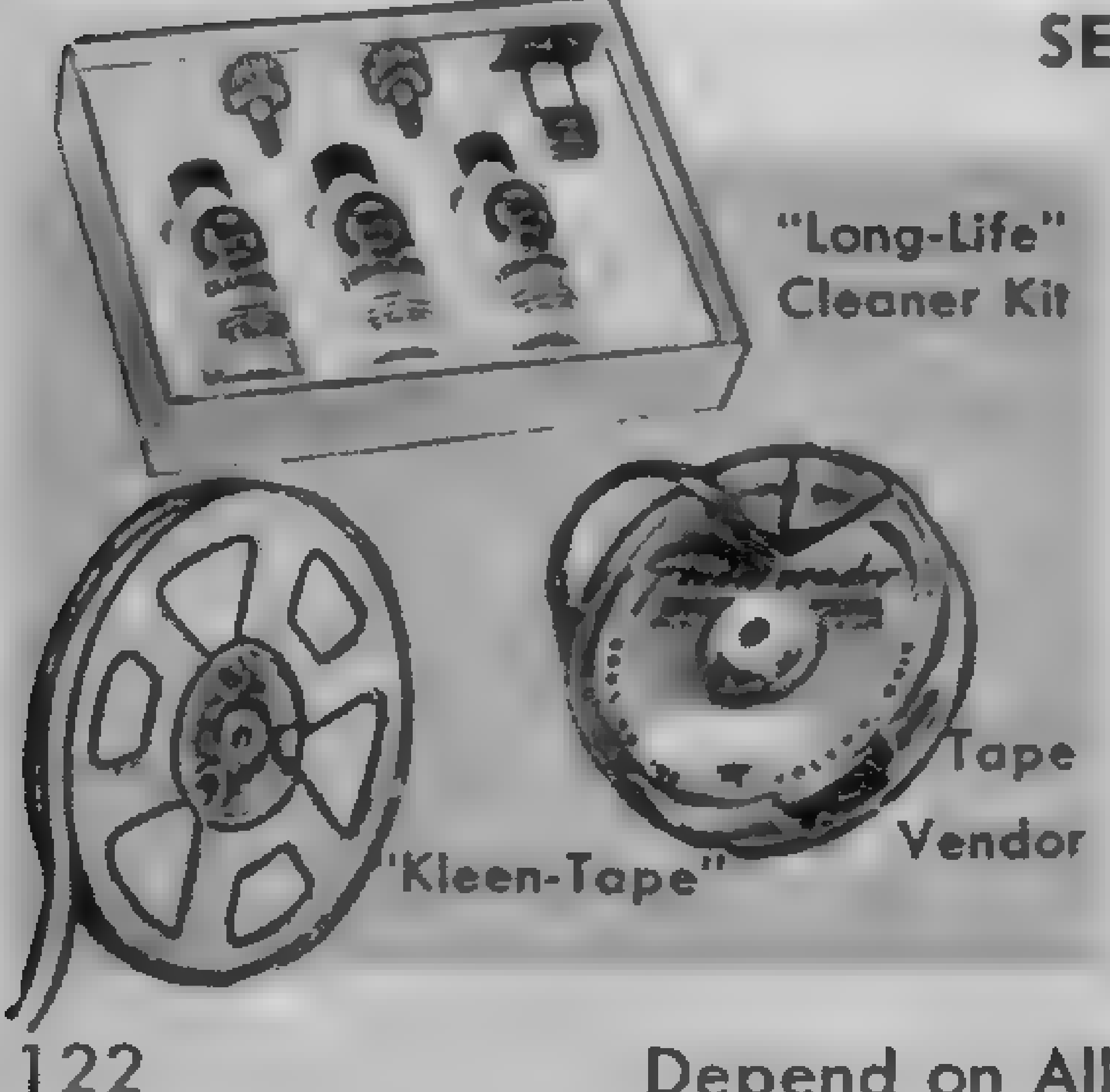


SHURE Exact-Replacement Tape Recorder Heads

Quality tape recorder heads for modernization or replacement use. If in doubt as to correct unit to select, send the make, model and serial number of your recorder to Allie the proper replacement data. 815, 815H and TR5B are upper track record, playback e type; others, 0.093" upper-track record, playback type. *Has Cinch plug and 14" le

Stock No.	Type	Coil Imp.	Replaces Older Type	Oz.	List	N
65 R 366	815	Low	TR5, TR5D, TR5H	4	$15.00	8
65 R 584	815H	High	TR5C, TR5K	4	15.00	8
92 R 982	TR21C-J	High	TR16A, 817	6	14.00	8
65 R 586	TR5B*	Low	TR5B	10	17.00	9
65 R 413	TR16	High	....	6	9.00	5

SELECTED TAPE CARE ACCESSORIES



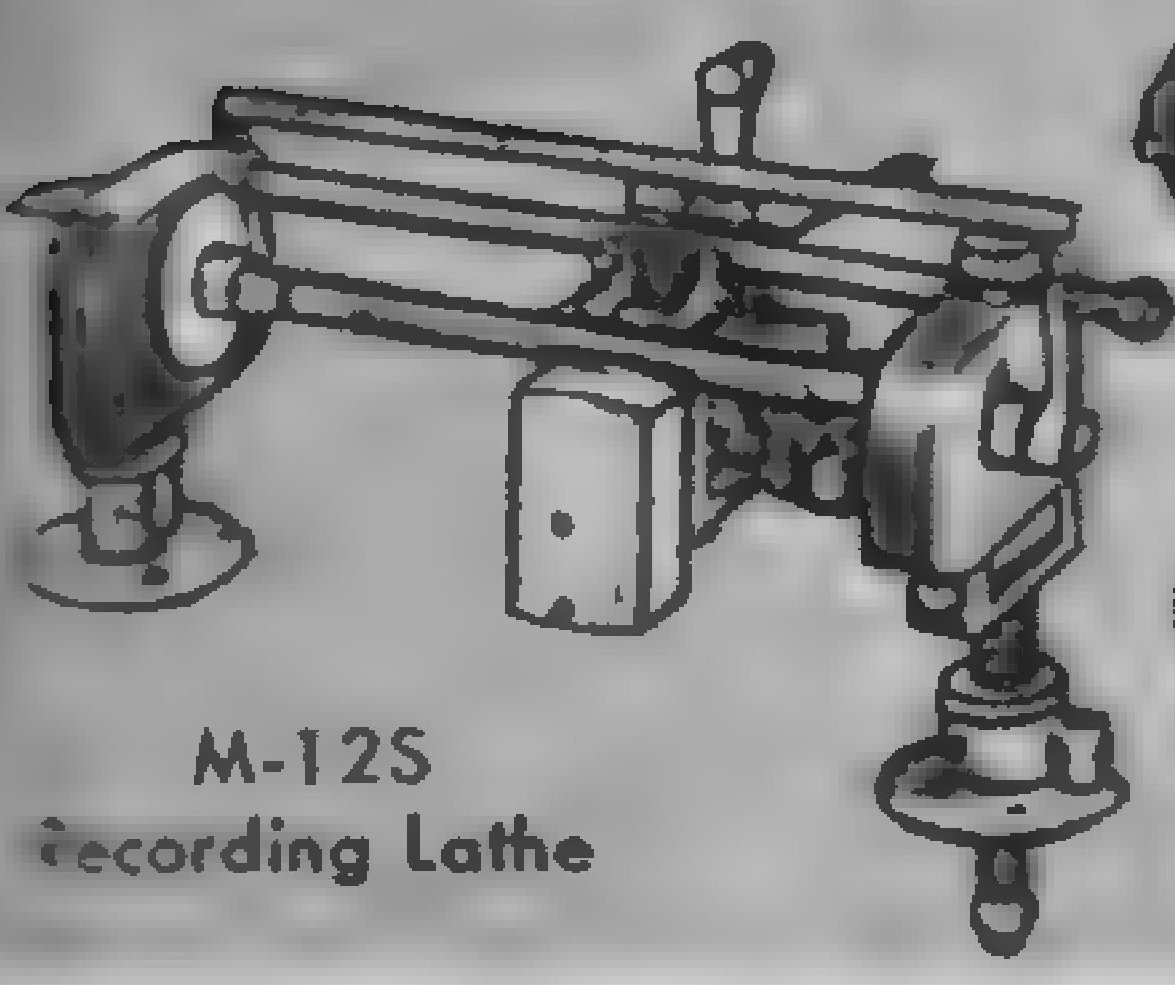
"LONG LIFE" TAPE CLEANER KIT. Consists of one bottle each of tape head cleaner, tape lubricant and tape conditioner. Tape conditioner fluid with tower applicator condi the tape automatically as you play it on the machine. Capillary wick applicators dis cleaner, lubricant or conditioner uniformly. In plastic bottles. Shpg. wt., 1 lb.
92 R 732. **NET**........................3.

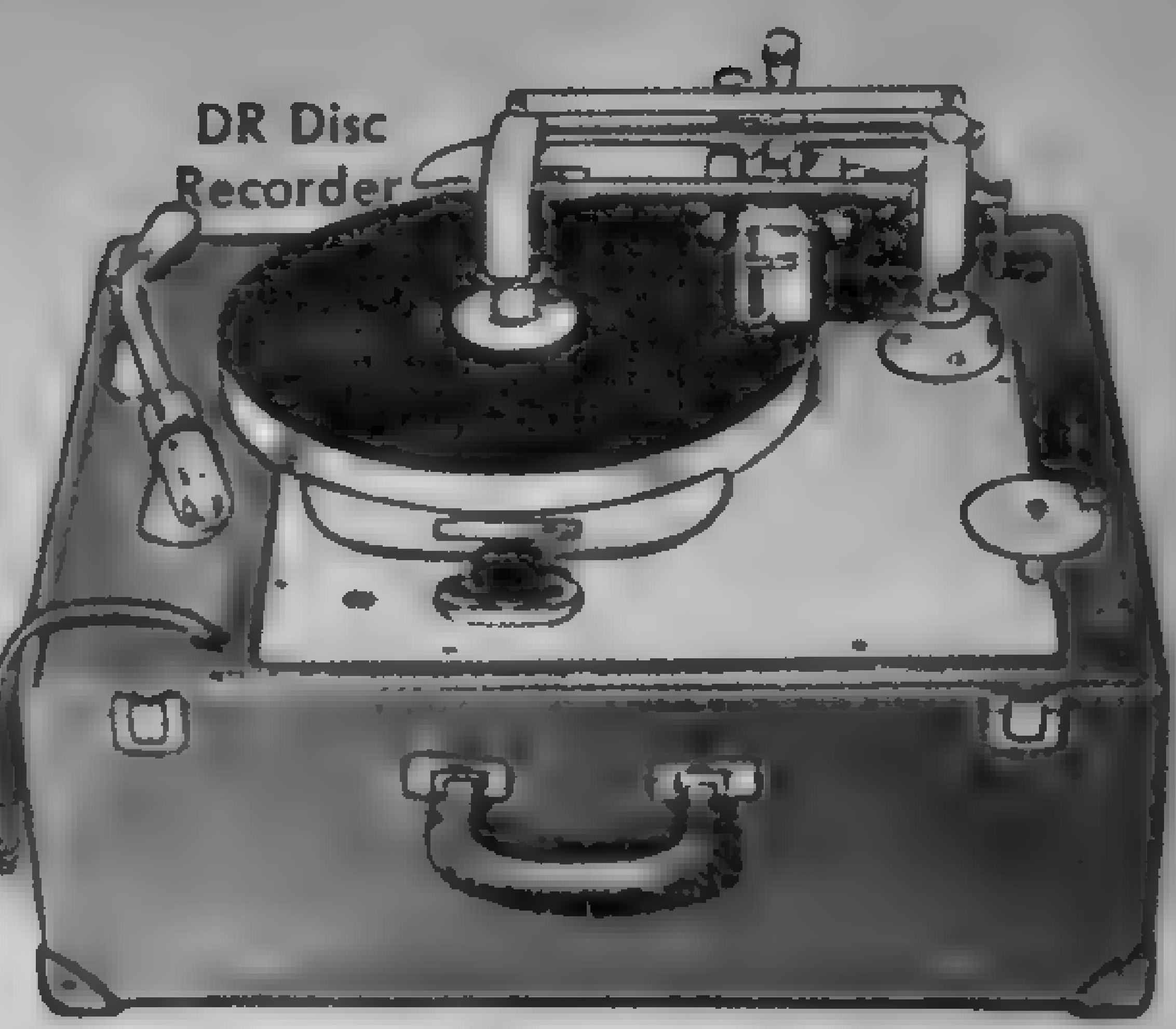
"KLEEN-TAPE." Allows fast, efficient cleaning of tape recorder heads without removing cover. Consists of a tough tape, impregnated with special formula cleaner. Just put re recorder, thread, and let tape run through. 5" reel. Shpg. wt., 4 oz.
91 R 846. List, $2.95. **NET**........................1.

COUSINO MODEL U-310C TAPE VENDOR. Plays tape-recorded music or messages continu Fits all 3¾-ips recorders—plays up to 12 minutes as supplied; 24 minutes with Mo loop. Reel moves in clockwise rotation. Complete with tape. Shpg. wt., 1½ lbs.
91 R 848. **NET**........................9.

91 R 849. **MODEL U-310CC.** As above, but counter-clockwise rotation. **NET**.......9

Disc-Recorders and Accessories





-KUT M-12S OVERHEAD RECORDING LATHE. Used in Model . Interchangeable with M-12. *Less head.* 20 lbs.
U 745. *Only $5 Down.* NET........................150.00

-KUT RH-5 CUTTING HEAD. For M-12S lathe, above. 8 ohms. wt., 1 lb.
C 434. *Only $5 Down.* NET........................115.00

-KUT M-12S-210 MICROGROOVE LEADSCREW. For Model S. above. 210 lines per inch. Shpg. wt., 1 lb.
743. *Only $2 Down.* NET........................44.95

-KUT M-12S-240 MICROGROOVE LEADSCREW. As above, except nes per inch. Shpg. wt., 1 lb.
744. *Only $2 Down.* NET........................44.95

-KUT TR-43H 12" RECORDING TURNTABLE. 33⅓ and 78 rpm. num. Tapped for M-12S lathe. Hysteresis-synchronous motor. 45 rpm idler; less cutting head. 21 lbs.
Z 749. *Only $5 Down.* NET........................149.95

C TYPE X-26 CRYSTAL CUTTING HEAD. High impedance; re- to 6 kc. Flange for Wilcox-Gay, Knight, G. I. units. Con- to output tube plate or 60,000 ohm transformer sec. Requires . 150 v. (rms) drive. 1⅜x⅝x3¼". 24" leads. 1 lb.
C 125. NET........................7.53

C TYPE M41-8 MAGNETIC CUTTING HEAD. 8 ohms; connects di- to amplifier. 7 kc response. Requires 3 v. (rms). 1 lb.
C 128. NET........................7.53

AUDIODISC PROFESSIONAL RECORDING BLANKS

h-coated on both sides of alumi- base. Red Label discs exceed the exacting needs for highest quality sional recordings. Yellow Label are excellent for all types of general work in studios and schools; Label for home recording. Have igh-quality lacquer as profession- , but on thinner aluminum base. center hole for 45-rpm records.

ock No.	Size	Label	Base	Wt., Ea.	Lbs., Pkg.	Std. Pkg.	NET EACH	
							Single Lots	Std. Pkg.
085	7"*	Red	.050"	5 oz.	5	25	.91	.82
069	8"	Red	.040"	5 oz.	5	25	.71	.65
070	10"	Red	.040"	6 oz.	8½	25	1.01	.91
071	12"	Red	.050"	9 oz.	13½	25	1.67	1.50
X 072	16"	Red	.050"	1 lb.	25	25	3.01	2.70
089	8"	Yellow	.040"	5 oz.	5	25	.61	.55
090	10"	Yellow	.040"	6 oz.	8½	25	.81	.72
091	12"	Yellow	.050"	9 oz.	13½	25	1.30	1.18
092	16"	Yellow	.050"	1 lb.	25	25	2.42	2.18
065	6½"	Blue	.027"	3 oz.	6½	50	.32	.29
066	8"	Blue	.027"	4 oz.	7½	50	.46	.41
067	10"	Blue	.027"	5 oz.	10½	50	.66	.59

RECORDIST ECONOMY RECORDING DISCS

ection of economy priced discs for quality home and semi-pro- l recordings. All discs have aluminum base except Blue which has a paper bond base. All are cellulose acetate coated. abel discs are semi-professional units for recording music, , etc. Purple Label discs are well-suited for test cuts, equip- adjustments, etc. All discs listed in the table below are aced.

	Size	Label	Base	Wt., Ea.	Std. Pkg.	Wt., Std. Pkg.	NET EACH	
							Single Lots	Std. Pkg.
25	6"	Blue	......	3 oz.	6	½ lb.	25¢	15¢
40	6½"	Red	.021"	3 oz.	5	½ lb.	30¢	27¢
41	8"	Red	.021"	4 oz.	5	¾ lb.	40¢	36¢
42	10"	Red	.021"	4 oz.	5	1 lb.	60¢	54¢
43	12"	Red	.021"	6 oz.	5	2½ lbs.	73¢	66¢
195	6½"	Purple	.012"	3 oz.	5	½ lb.	23¢	21¢
196	8"	Purple	.012"	4 oz.	5	¾ lb.	33¢	30¢
197	10"	Purple	.012"	4 oz.	5	1 lb.	47¢	42¢

D LABELS. Gummed record labels with spaces for title, artist, . Shpg. wt., per pkg., 2 oz. 50 per pkg.
520. 4 or more Pkgs., EA...31c NET PER PKG.......35c

REK-O-KUT DR DISC RECORDER. Professional cutter with M12S overhead recording lathe. Operates at 33⅓ and 78 rpm; has idler and adapter for 45 rpm. Makes masters from 6" to 13¼". Accepts all standard vertical mounting cutting heads. Has 120 line lead-screw; interchangeable with leadscrews to 270 lines (see left). Can be hand cranked for run-in spiral grooves. Hysteresis-synchronous motor. Calibrated timing scale. Model S-120 arm with dual sapphire magnetic pickup plays up to 12" records. With RH-5 cutting head; 50-13,000 cps (left). Uses standard short-shank needle. 7x10x20½". For 105-125 v., 60 cycle AC. Shpg. wt., 45 lbs.
93 RZ 437. *$10 Down.* NET........................475.00

REK-O-KUT R8B RECORDING AMPLIFIER. For making professional recordings with recorder, above. Response, 20-20,000 cps at 20-watt output. Distortion: harmonic, 0.32% at 1000 cps at full output; intermodulation, 0.825%. 4 inputs: mike, tape and phono mixing, tuner. Outputs: speaker and cutter, 4, 8 and 16 ohms; monitor, 2000 ohms. VU meter. In portable carrying case. 5¼x19x6½". For 110-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.
93 RU 438. *$10 Down.* NET........................225.00

93 RZ 439. REK-O-KUT IMPERIAL II DISC RECORDER. Consists of DR cutter and R8B amplifier. 70 lbs. *$10 Down.* NET........695.00

BOGEN VP-17X TRANSCRIPTION PLAYER

An extremely versatile combination of player, amplifier and speaker in a single portable enclosure. This deluxe unit has a built-in, high-quality amplifier, plus microphone input with separate gain control—makes an excellent public address system. Ideal for schools, clubs, churches, etc. Incorporates outstanding Bogen B50-16 turntable—features continuously variable speed from 16 to 86 rpm. Plays all monophonic recordings and transcriptions up to 16" with splendid sound quality and minimum record wear. Lever has convenient lock-in positions for quick adjustment to 16⅔, 33⅓, 45 and 78 rpm recordings. Heavy-duty, 4-pole motor and carefully balanced turntable reduce wow, hum and rumble to an extremely low level. Precision built arm is equipped with the popular G.E. variable reluctance cartridge with dual sapphire styli for playing all types of recordings. Quality, 12" Alnico V speaker is mounted in the removable lid of the carrying case; has 25 ft. hook-up cable. Two jacks are provided for external speakers. Separate bass and treble controls; scratch and noise filters for best possible sound quality from all recordings. In attractive, highly durable ⅜" plywood luggage-type carrying case. Microphone frequency response, 50 to 10,000 cps; phono and radio, 40 to 12,000 cps. 12⅝x17x16¼". For 110-120 v., 50-60 cycle AC. Shpg. wt., 40 lbs. *$5 Down.*
95 RU 959. List, $181.90. NET........................136.43

DISC CUTTING NEEDLES

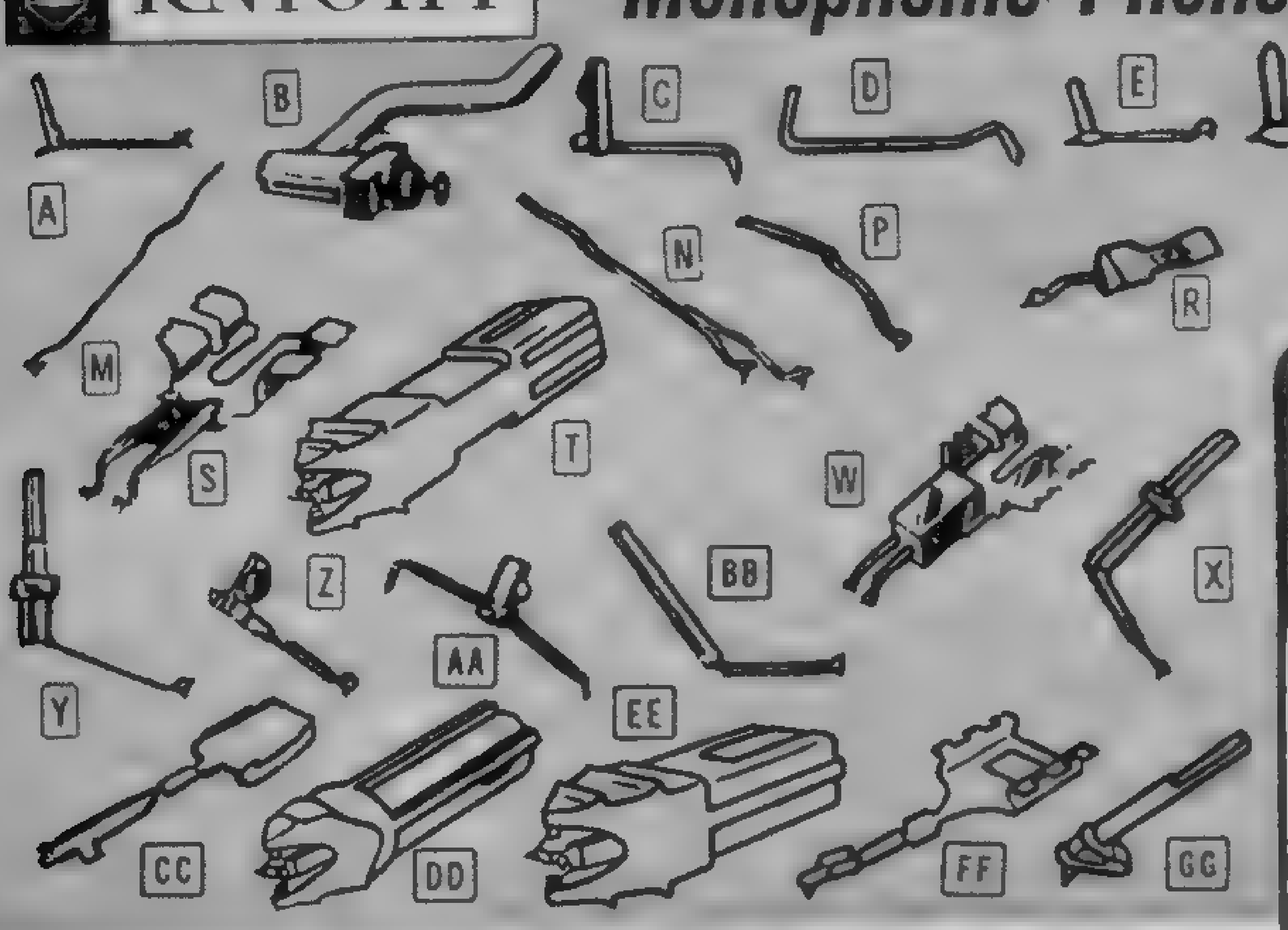
AUDIOPOINTS. High-quality recording needles. For all professional and non-professional recorders. Types 14, 20 and 34 have 87° included angle. All types have .003" tip radius except Type No. 20, .0005". Shpg. wt., 2 oz.

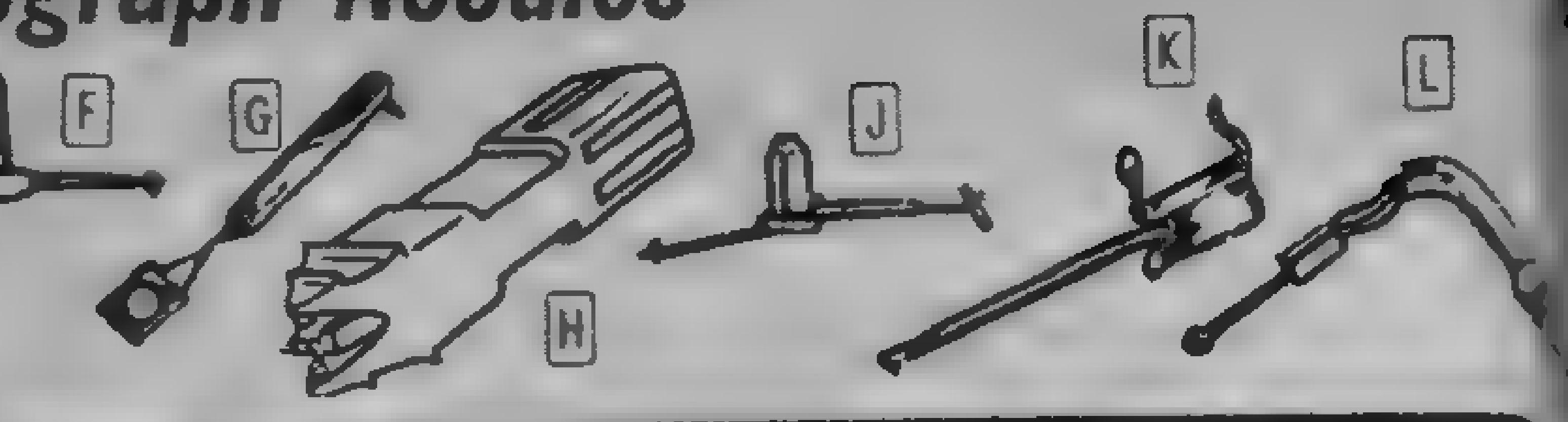
Stock No.	Mfr's Type	Description	NET EACH
65 R 960	14	Sapphire, short dural shank	4.85
65 R 967	20	As above, for microgroove	
65 R 961	14	Sapphire, long dural shank	
65 R 966	20	As above, for microgroove	
65 R 962	202	Sapphire, short brass shank	3.88
65 R 963	202	Sapphire, long brass shank	
65 R 964	34	Stellite, short brass shank	1.47
65 R 965	34	Stellite, long brass shank	

KNIGHT STEEL CUTTING NEEDLES. Short shank. Have .003" tip. Average cutting life, 20 minutes. Shpg. wt., 3 oz.
65 R 803. Pkg. of 5. NET........................59c

KNIGHT SAPPHIRE CUTTING NEEDLE. Precision-ground and highly polished. Short shank. Has .003" tip. Av. life, 5 hrs. 2 oz.
65 R 800. NET EACH........................3.88

KNIGHT Monophonic Phonograph Needles





EXACT-REPLACEMENT NEEDLES

A wide selection of popular, top quality monophonic replacement needles at lowest cost. All are precision-made from carefully selected materials according to rigid Knight specifications. All have sapphire tips, except *osmium. Letters or numbers, following the word "Series" in the listings cover all cartridges whose type numbers begin with these letters or numbers. Av. shpg. wt., 2 oz.

FOR ASTATIC CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EACH
68 R 362	A-67	A	94-TB, 405, 406, Series: 62, 64, 66, 68	Std.	1.27
68 R 363	A-67LP	A		MG	1.27
68 R 364	A-672	A		All	1.27
68 R 365	A-68	B	Series: 57-T	Twin	1.89
68 R 366	A-71	B	Series: 55-T, GCD, 409	Twin	1.89
68 R 367	A-70*	C	Series: 14L3, 15L3	Std.	.79
68 R 368	A-70LP*	C		MG	.79
68 R 369	A-702*	C		All	.79
68 R 370	A-73	BB	LT-3D, LT-4, LT-4D, LT-4D1, LT-AG	Std.	1.27
68 R 371	A-73LP	BB		MG	1.27
68 R 372	A-732	BB		All	1.27
68 R 373	A-74	D	Series: 402, 51, 53, 59, GC, MG	Std.	1.27
68 R 374	A-74LP	D		MG	
68 R 375	A-742	D		All	
68 R 376	A-75	E	10L3, 11L3, Series AC, ACD, 40, 41, 42, 90	Std.	
68 R 377	A-75LP	E		MG	
68 R 378	A-752	E		All	
68 R 379	A-81	F	Series: CAC, CQ, LQD, QT 36, 38, 44, 46, 48; 403J; Magnavox 560052	Std.	1.27
68 R 380	A-81LP	F		MG	1.27
68 R 381	A-812	F		All	1.27
68 R 382	CRA-55LP	G	Series: 310, 312, 414, 420, 422, 424	MG	1.27
68 R 383	CRA-55	G		Std.	1.27
68 R 499	A-41	H	81T	Twin	2.06
68 R 483	A-43	T	89T	Twin	2.06

FOR ELECTRO-VOICE CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EACH
68 R 618	E-36	DD	E-V 56	Twin	2.06
68 R 621	E-37	EE	E-V 76	Twin	2.06
68 R 384	E-90	M	10,12,14,30,32,33,34,36,40,42, 43,44,46,80,82,84,86,96, Admiral 409A13-1	Std.	1.27
68 R 385	E-90LP	M		MG	1.27
68 R 386	E-902	M		All	1.27
68 R 387	E-91	N	16TT, 22TT	Twin	1.89

FOR SHURE CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EACH
68 R 397	JPS-30	P	P30, P37, P57, P70, P71, P72, P72V, P73, P76, P76V, P77, P79, P81, P81AD, P85, P88, 89, P94, PN30, PC41V, PC42; Series W21, W22, W23, W26, W60, W61, W65, W65B, W66, W68, WC22	Std.	1.27
68 R 398	JPS-30LP	P		MG	
68 R 399	JPS-312	P		All	
68 R 320	JPS-32	R	W31AR, W36B, WC24, WC31AR, WC33B WC36B, PC9, PC10, PC11, PC40	Std.	1.27
68 R 321	JPS-32LP	R		MG	1.27
68 R 322	JPS-322	R		All	1.27
68 R 741	JPS-39	W	WC-6, PC-6, PC-7	Twin	2.54
68 R 323	JPS-35	S	PC2, PC-3, P7, P8, P9, W9, WC10	Twin	1.89
68 R 324	JPS-36	S	PC4, PC5, ML-44	Twin	2.54

FINEST QUALITY DIAMOND NEEDLES

For added hours of enjoyable record listening. These diamond needles are precision-polished for greatest record protection and long-run economy. Retain shape for up to 1000 playing hours! Fit same cartridges as sapphire units listed on this page. Twin tips are standard sapphire for 78's and diamond MG for LP's. Any sapphire needle can be supplied with diamond tip. Shpg. wt., 2 oz.

Diamond Needle		Fig.	For	Equivalent Sapphire	NET EACH
Stock No.	Type No.				
68 R 733	A-67LPD	A	Astatic	A-67LP	3.49
68 R 700	A-68SD	B	Astatic	A-68	
68 R 734	A-74LPD	D	Astatic	A-74LP	
68 R 701	A-75LPD	E	Astatic	A-75LP	
68 R 702	A-81LPD	F	Astatic	A-81LP	
68 R 482	A-41SD	H	Astatic	A-41	4.95
68 R 484	A-43SD	T	Astatic	A-43	4.95
68 R 703	E-90LPD	M	E-V	E-90LP	3.49
68 R 619	E-36SD	DD	E-V	E-36	4.95
68 R 622	E-37SD	EE	E-V	E-37	4.95
68 R 704	M-50SD	J	Magnavox	M-50	3.49
68 R 737	PH-13SD	AA	Philco	PH-13	
68 R 705	CRA-55LPD	G	Ronette	CRA-55LP	
68 R 472	CRA-57LPD	CC	Ronette	CRA-57LP	
68 R 706	JPS-30LPD	P	Shure	JPS-30LP	
68 R 736	JPS-35SD	S	Shure	JPS-35	3.49
68 R 707	JPS-36SD	S	Shure	JPS-36	
68 R 708	M-70LPD	X	RCA	M-70LP	
68 R 709	M-74LPD	Y	RCA	M-74LP	
68 R 710	S-60LPD	K	Sonotone	S-60LP	
68 R 711	S-61SD	L	Sonotone	S-61	3.49
68 R 712	S-66SD	L	Sonotone	S-66	
68 R 485	VA-29LPD	FF	Vaco	VA-29LP	

FOR RCA CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EAC
68 R 337	M-70	X	9890, 38598, 39550, 39851, 39919, 70332, 70338, 70339, 72551, 74067	Std.	1.2
68 R 339	M-70LP	X		MG	
68 R 341	M-74	Y	74625, 75475, 75575, 76318, 77779	Std.	
68 R 342	M-74LP	Y		MG	

FOR PHILCO CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EAC
68 R 389	M-60LP	Z	45-1609, 45-1612	MG	1.2
68 R 742	PH-13	AA	76-4649; 425-0009, 425-0014	Twin	1.8

FOR VACO CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EAC
68 R 253	VA-29	FF	P45	Std.	1.2
68 R 254	VA-29LP	FF	P45	MG	1.2
68 R 255	VA-292	FF	S-45	Twin	1.2
68 R 486	J-352*	GG	M-50	All	.7

FOR RONETTE CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EAC
68 R 383	CRA-55	G	Studio O, Studio P, RA-284, TO-284 Series TO-222, TO-400, 7447, DT-60, RA-395	Std.	1.2
68 R 382	CRA-55LP	G		MG	
68 R 474	CRA-57	CC	DC-422	Std.	
68 R 473	CRA-57LP	CC	DC-500	MG	

FOR MAGNAVOX CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EAC
68 R 388	M-50	J	560133, 560133-4, 560151-5, 560151-6, 560158-1	Twin	1.8

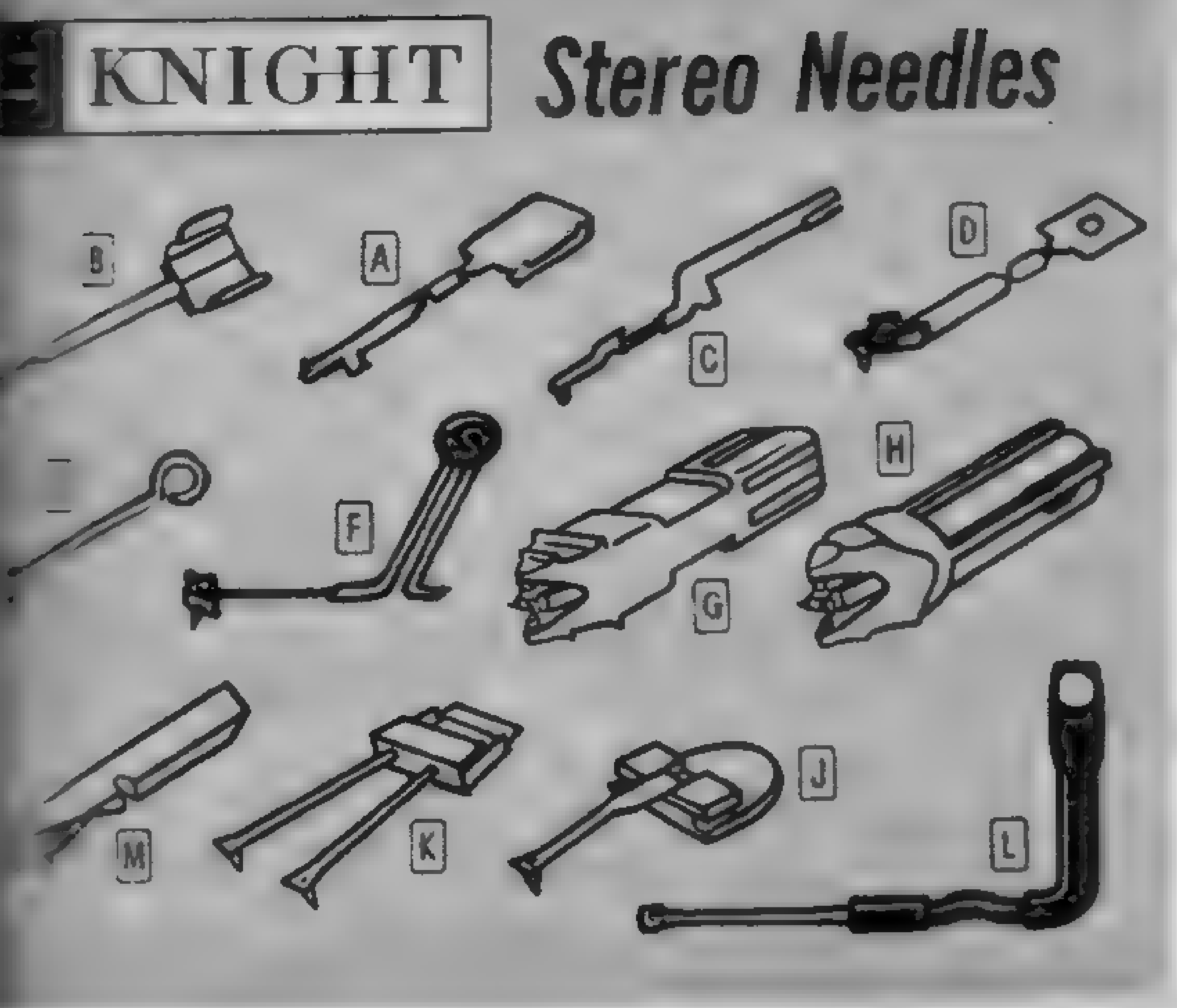
FOR SONOTONE CARTRIDGES

Stock No.	Mfr's Type	Fig.	Fits Cartridge Numbers	Tip	NET EAC
68 R 343	S-60LP	K	Series 3P	MG	1.
68 R 344	S-61	L	Series 3T	Twin	2.
68 R 345	S-63LP	K	Series 1P	MG	1.4
68 R 346	S-632	K		All	1.4
68 R 347	S-66	L	Series 2T; 7T; W-9980; Magnavox560161-1;RCA78748	Twin	2.

IF YOUR NEEDLE IS NOT LISTED . . .

Allied stocks exact replacement needles for any domestic or foreign-make cartridge. If yours is not listed, write us. Include cartridge or needle number and specify tip radius. Standard .003" for 78's; .001" for microgroove LP's; .002" for all records. Twin tips are .003" and .001". Indicate sapphire, diamond, dual, etc.

KNIGHT Stereo Needles



Top-quality stereo replacement needles at low cost. All are milled to a .0007" radius to assure fine performance. Dual sapphire needles include tip for playing 78-rpm records. In dual diamond-sapphire types, the sapphire tip is for 78's and the diamond for stereo. Single diamond types are for stereo only. Shpg. wt., 2 oz.

DUAL NEEDLES—SAPPHIRE

Stock No.	Mfr's Type	Fig.	For Cartridge Number	NET EACH
R 749	CRA-57X	A	Ronette BF-40	1.27
R 752	E-98X	B	Electro-Voice 26DST, 21-D	1.27
R 495	S-71X	L	Sonotone 8T4, 8T4A	2.06
R 756	CRA-55X	D	BSR TC-8S/TC-8SH	1.27
R 491	A-44X	G	Astatic 13T	3.95
R 493	E-46X	H	Electro-Voice 66	2.95
R 497	M-77X	K	RCA 106770A, 106771A	2.06
R 487	J-47X	J	Jensen-53/Euphonic E-1	1.27

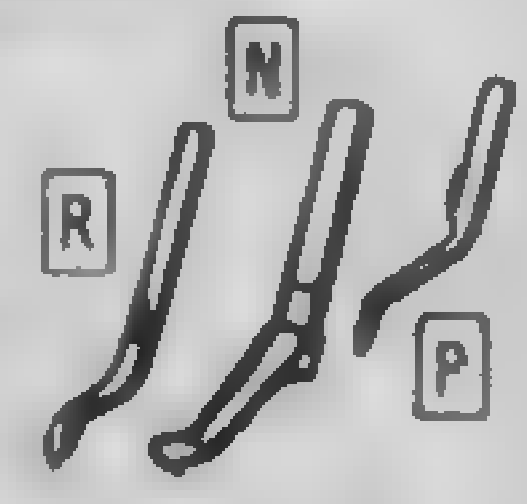
DUAL NEEDLES—DIAMOND AND SAPPHIRE

Stock No.	Mfr's Type	Fig.	For Cartridge Number	NET EACH
R 496	S-71XSD	L	Sonotone 8T4-8T4A	3.49
R 762	W60-XSD	E	Webster Electric	3.49
R 763	W61-XSD	F	Webster Electric	3.49
RC 492	A-44XSD	G	Astatic 13TX	6.95
RC 494	E-46XSD	H	Electro-Voice 66DS	6.95
R 498	M-77XSD	K	RCA 106770A, 106771A	3.49
R 488	J-47XSD	J	Jensen-53/Euphonic E-1	3.49

SINGLE NEEDLE—DIAMOND

Stock No.	Mfr's Type	Fig.	For Cartridge Number	NET EACH
R 750	CRA-57XD	A	Ronette BF-40	3.49
R 753	E-98XD	B	Electro-Voice 26DST, 21-D	3.49
R 760	CS-1XD	C	Columbia	3.49
R 757	CRA-55XD	D	BSR TC-8S/TC-8SH	3.49
R 761	W59-XD	D	Webster Electric	3.49
RC 489	JPS-40XD	M	Shure M7D	6.95
RC 490	JPS-41XD	M	Shure M3D	13.25

CONVENTIONAL SHANK PHONOGRAPH NEEDLES



long-lasting, carefully economy-priced phono ...les are designed to fit phonograph cartridges ...pped with screw-type ...k. All of these top-per... needles have "flat on shank for proper positioning. *As... indicated nylon needles—have flexible material from tip to shank to reduce ...p of annoying record scratch. Sap...-tipped needles recommended for mini... ...cord wear—tip holds proper shape ...nger than osmium types. Av. shpg.

	Type No.	Fig.	Tip material	Tip size	NET
	-253*	N	Sapphire	Standard	1.27
		R	Osmium	Standard	.59
	-252*	N	Sapphire	All-purpose	1.27
	-152*	N	Osmium	All-purpose	.79
	52	P	Osmium	All-purpose	.79
	-251*	N	Sapphire	Microgroove	1.27
	-252	P	Sapphire	All-purpose	1.27

Proper Care Means Less Wear

Keep Your Hi-Fi Records and Record Playing Equipment in Top Condition

No matter how costly your hi-fi music system, its performance is no better than the condition of your records and your record playing equipment. That's why it's so important to check your record changer or turntable periodically and to always safeguard your record collection from dust and wear. By selecting from the low-cost accessories below, you're assured of maximum enjoyment from your system. You'll find that music sounds better—and records last longer, too.

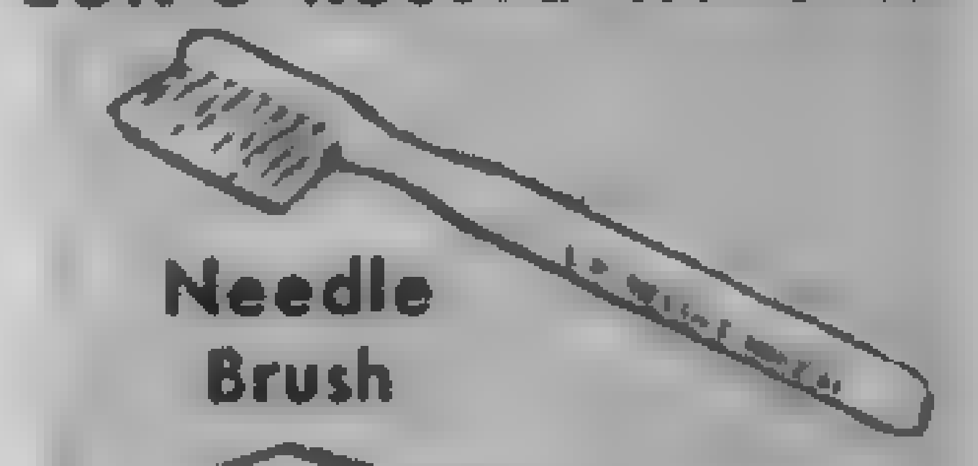
ESK-3 Record Kare Kit

ROBINS DELUXE-ENGINEERED RECORD KARE KIT—ESK-3. A complete kit of cleaning and maintenance accessories for the music lover who wants to get the most out of his stereo or monophonic hi-fi records. Contains stylus pressure gauge that determines at what weight arm is tracking; turntable level to insure that turntable is not tilted; stylus microscope to check needle condition; record cleaning cloth; automatic needle brush; record brush; and arm lift. Shpg. wt., 1 lb.

89 R 119. NET............3.67

STAR PHONO NEEDLE BRUSH. The safe, easy way to keep your phonograph needle free of harmful noise-producing lint particles. Durable plastic brush has sturdy nylon bristles that gently remove foreign substances without endangering the stylus. By protecting your needle, you're assured of keeping these substances from being transfered to the grooves of your records. Increases record life. Shpg. wt., 2 oz.

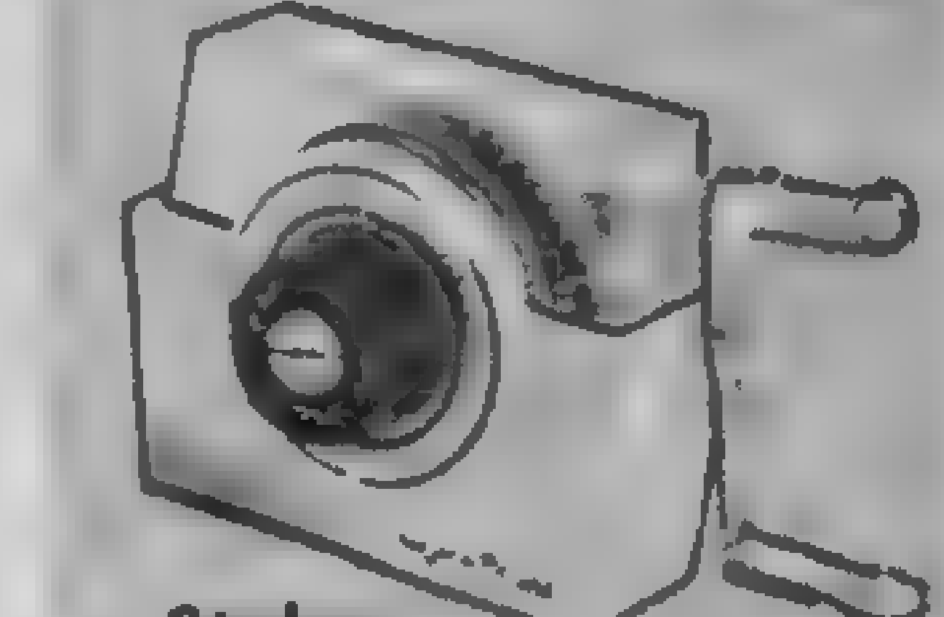
59 R 949. NET.............79c



Needle Brush

GARRARD STYLUS PRESSURE GAUGE. Accurately measures weight exerted by pick-up arm at the stylus. Markings in 1-gram intervals to 15 grams. All moving parts are lightweight, sealed for accuracy. 5 oz.

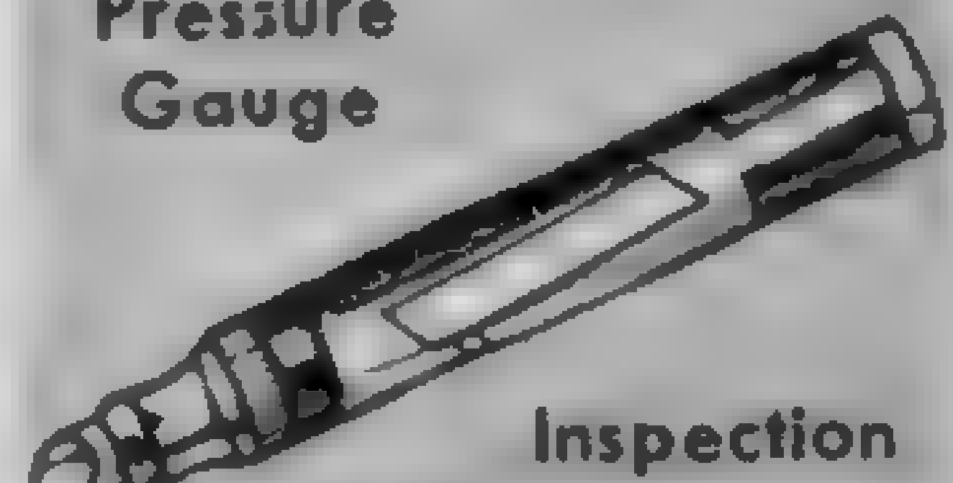
59 R 947. NET............2.95



Stylus Pressure Gauge

STYLUS INSPECTION MICROSCOPE. For checking stylus tip to detect imperfections and signs of wear. Approximately 75-power magnification. Has groove for centering stylus tip in microscope field. Metal barrel; adjustable lens. 3¾" long x ½" dia. Imported from Japan. 8 oz.

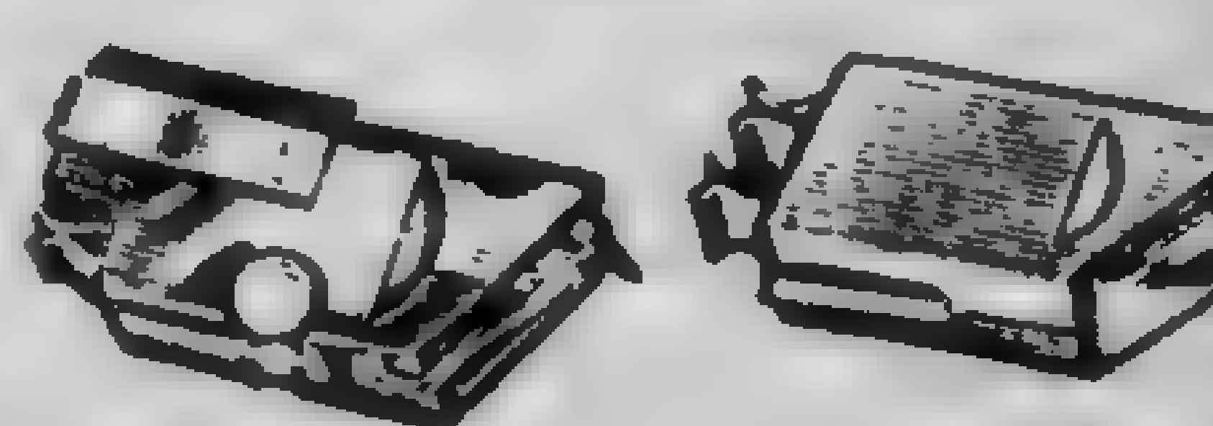
65 RC 440. NET...........1.39



Inspection Microscope

Many Other Useful Record Care Accessories are Listed in this Catalog—See Index

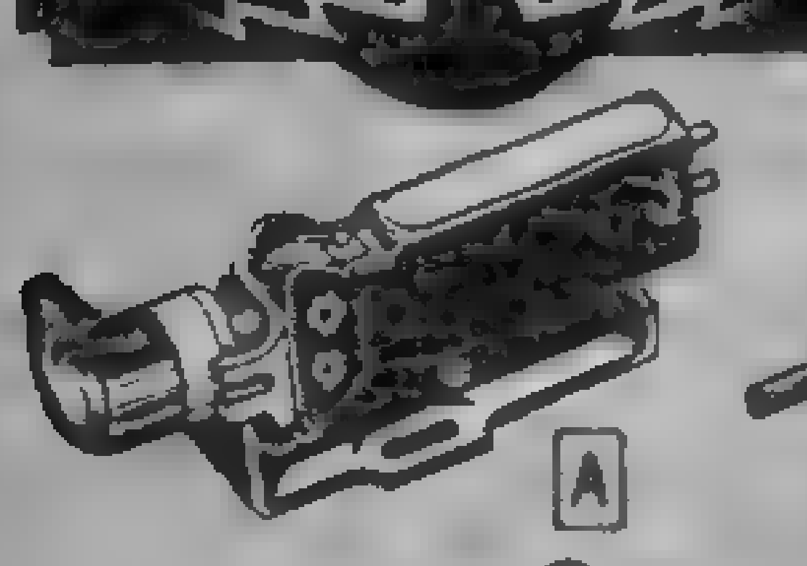
MONOPHONIC NEEDLE-CARTRIDGE UNITS FOR ZENITH ARMS

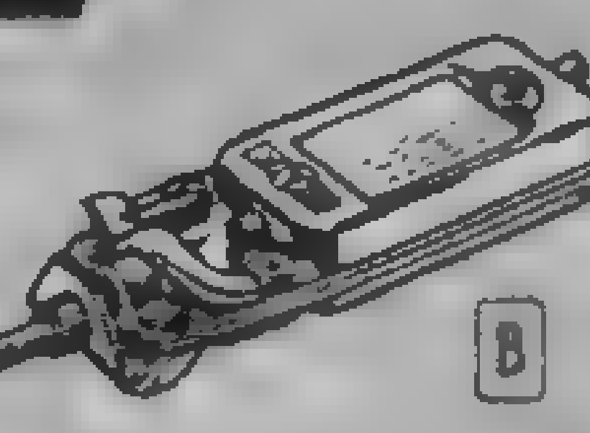


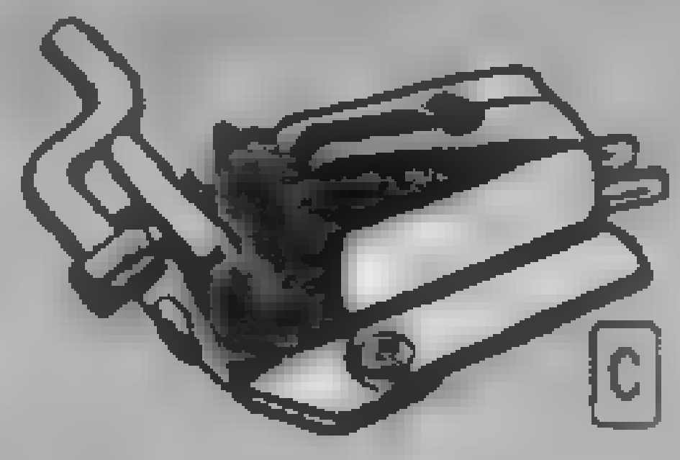
Duotone direct replacement plug-in type needle-cartridge assemblies for Zenith "Cobra Arm" phonographs. Each is a complete assembly with unitized construction—stylus is coupled directly to inductive element. At the time it is necessary to change needle, an entirely new cartridge is required. High compliance and light tracking force minimizes needle talk and record wear; delivers smooth, wide-range frequency response. Performance is unaffected by extremes in temperature or humidity. Each of the models is available with choice of diamond or sapphire stylus. Sapphire for general use; diamond gives up to 1000 hours of playing time. Either type of stylus is for use with 16⅔, 33⅓, 45, or 78-rpm records. Av. shpg. wt., 4 oz.

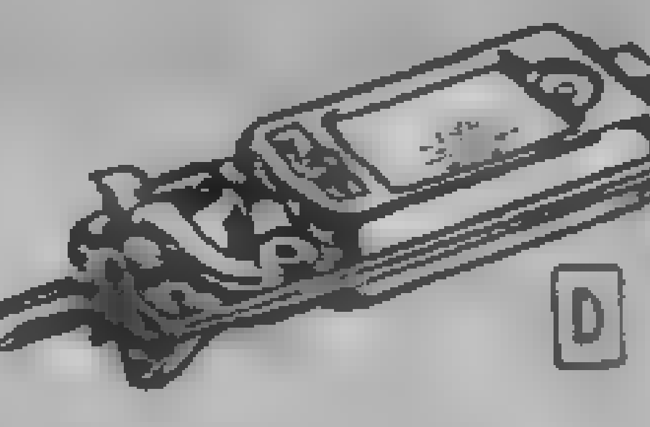
Stock No.	Mfr's Type	Stylus	NET EACH	Stock No.	Mfr's Type	Stylus	NET EACH
68 R 229	S-15780	Sapphire	2.55	68 RC 234	142-72	Diamond	9.00
68 RC 230	S-15780	Diamond	9.00	68 R 235	142-71, 142-74	Sapphire	3.67
68 R 231	S-15222	Sapphire	2.55	68 RC 236	142-71, 142-74	Diamond	9.00
68 RC 232	S-15222	Diamond	9.00	68 RC 237	142-76, 142-77	Sapphire	5.52
68 R 233	142-72	Sapphire	3.67	68 RC 238	142-76, 142-77	Diamond	11.00

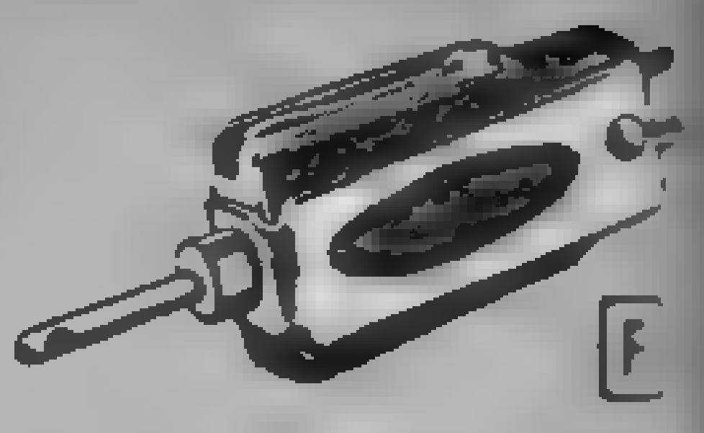
ASTATIC Crystal and Ceramic Replacement Cartridges

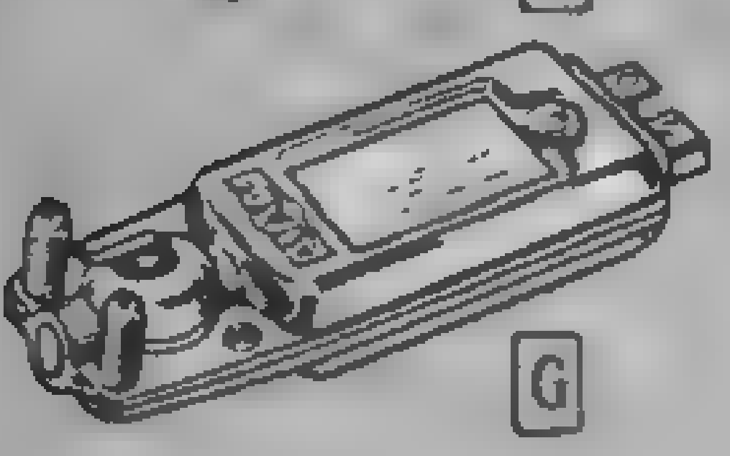


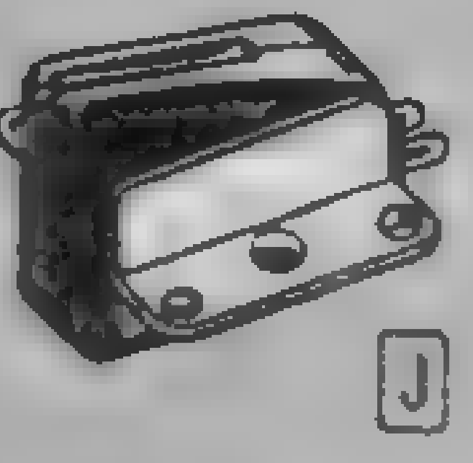


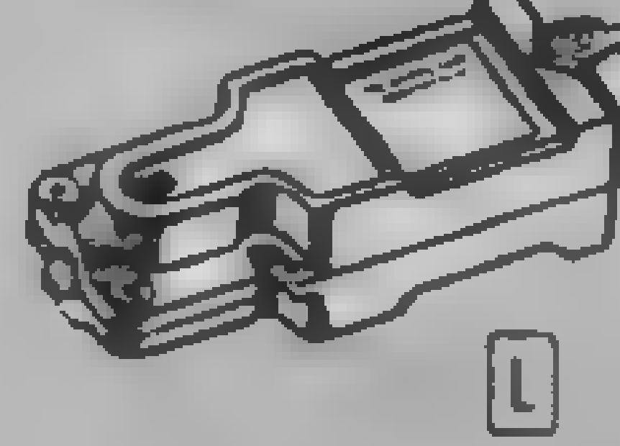


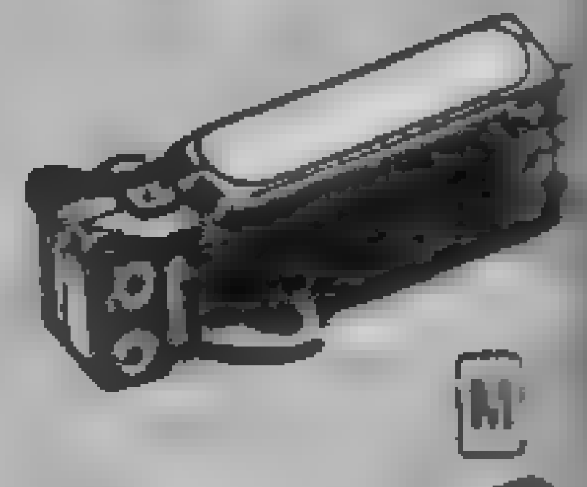


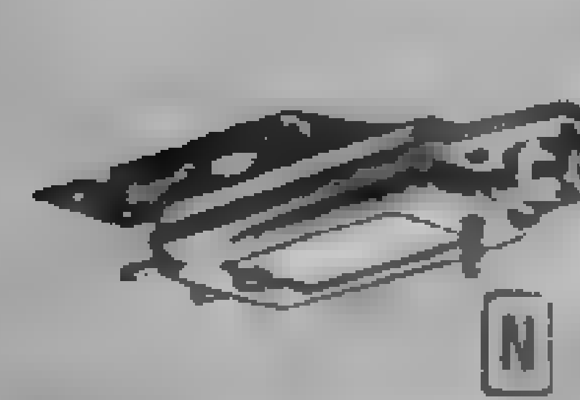


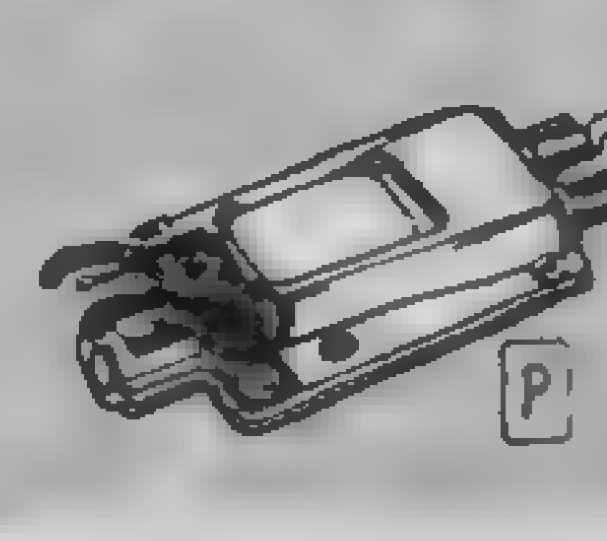


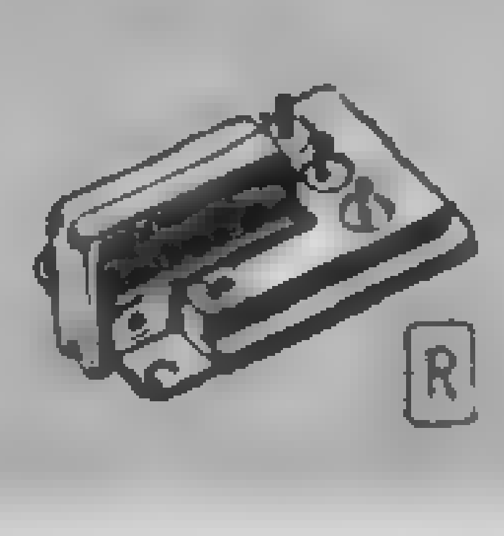


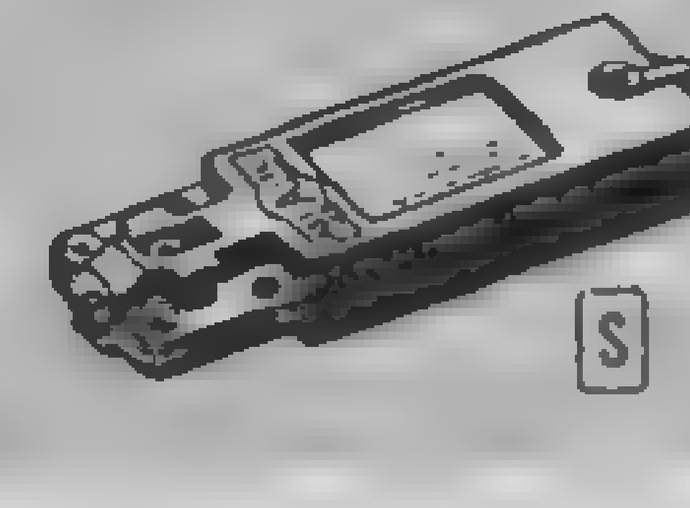


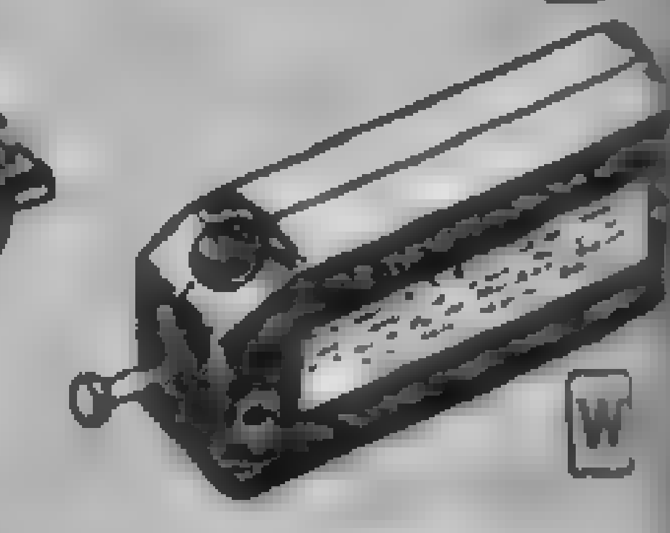












TURNOVER CARTRIDGES

High quality dual-needle cartridges for 78, 45, 33⅓ and 16⅔ rpm records. Crystals are specially treated to resist heat and humidity. All have sapphire needles; .001″ for microgroove records and .003″ tip for standard records. *Ceramic type—all others are Rochelle-salt crystal. †Sub-miniature. ‡Less bracket. Av. shpg. wt., 4 oz.

Stock No.	Model	Fig.	Replaces Astatic	Volts	CPS	List	NET
65 R 240	40-TB	A	ACD-1 series ACD-2 series, 11L3	1.0	50-6000	$8.45	4.97
68 R 766	64-TS‡	B	64-T(M)S	3.0	50-5000	6.95	4.09
65 R 576	57-T*	C	57-TJ series	0.7	30-15,000	9.50	5.59
65 R 236	62-TY	D	LQD-1 series	1.0	50-7000	7.95	4.67
65 R 013	66-TS	D	66-T(M)S, 68-TS	3.0	50-5000	7.25	4.26
65 R 577	66-TY‡	D	LT-4D1, 14L3-DM, 15L3-DM, 6-T(M)Y, 68-T(M)Y	3.0	50-5000	6.50	3.82
61 R 300	310-T‡	E		3.0	30-11,000	5.45	3.20
61 R 302	312-TS	F		0.75	30-13,000	6.45	3.79
61 R 303	420-TS-TB	F		3.0	30-11,000	5.45	3.20
61 R 304	422-TS-TB	F		0 75	30-13,000	5.95	3.50
61 R 305	424-TS‡	F		3.0	30-11,000	6.50	3.82
61 R 313	41-TB	A	ACD-C-1 series, ACD-C-2 series	0 6	50-5000	10.00	5.88
61 R 314	55-T	C	GCD series	0.7	30-15,000	7.95	4.67
61 R 310	118-TS†	F		0 75	30-13,000	6.45	3.79
61 R 311	120-TS†	F		3.0	30-11,000	6.45	3.79
61 R 312	124-TS†	F		3.0	30-11,000	6.45	3.79
68 R 767	314-TS‡	F		3.0	30-11,000	5.45	3.20
68 R 656	316-TS	F		0.75	30-13,000	5.95	3.50
68 R 768	405‡*	C	F-21 (Webster)	3.0	30-5000	7.95	4.67
68 R 769	406‡	D	F-22 (Webster)	3.0	30-5000	7.95	4.67
68 R 770	409*	C	409A11 (Admiral)	0.7	30-15,000	9.50	5.59
68 R 771	426-TS‡	F	A-204 (Webster)	3.0	30-11,000	7.50	4.41

ALL-GROOVE CARTRIDGES

Have .002″ sapphire needle, except † .002″ osmium. §Less needle—have screw-type chuck for conventional needle. *Ceramic element, all others Rochelle-salt crystal. Av. shpg. wt., 4 oz.

68 R 773	414-2	E	(Ronette)	3.0	30-11,000	$4.45	2.62
68 R 774	416-2	E	(Ronette)	0 75	30-13,000	5.45	3.20
65 R 559	16§	G	16L3, 17L3	3.5	50-5000	3.95	2.32
65 R 229	22§	G	L-29, L-92-33, 18L3	3.0	50-5000	3.95	2.32
61 R 316	28§	L	M-22, M-23	3.5	50-6500	3.95	2.32
65 R 242	40-2	M	AC-AG series	1.0	50-10,000	6.50	3.82
65 R 571	51-2*	J	GC-AG series	0.7	30-10,000	7.40	4.35
68 R 772	106§	N	(Webster)	3.5	50-5000	4.95	2.91
65 R 097	66-2†	G	LT-2M, LT-5AG, 68-2 14L-AGM, 15L3-AGM	3.0	50-5000	4.95	2.91
61 R 306	310-2	K	....	3.0	30-11,000	4.95	2.91

STEREO-MONOPHONIC CARTRIDGES

Series 70 Crystal Stereo Conversion Cartridges. All have .0007″ and .003″ sapphire styli; 18 db separation; 2 volt output; 50-10,000 cps response. *With mounting brackets. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Replacement For	List	NET
68 R 793	70TS	BB	Astatic 120TS, VM 7447A	7.25	4.26
68 R 792	74TS	BB	Astatic 314TS	7.25	4.26
68 R 791	*76TS-TB	CC	Ronette T1, Ronette OV1	7.95	4.67

AA **Stereo Plug-in Cartridge Assemblies.** Ceramic element-styli assemblies. 25 db channel separation; 0.5 v. output; 20-15,000 cps response. Fit 7/16 to ½″ mtg. Av. wt., 3 oz.

Stock No.	Type	Description	List	NET
68 R 794	11T7	Two .0007″ sapphires; less bracket	6.95	4.09
68 R 218	11T7B	Two .0007″ sapphires; with bracket	7.95	4.67
68 R 226	13T	.0007″, .003″ sapphires; less brkt.	6.95	4.09
68 R 219	13TB	.0007″, .003″ sapphire tips; with brkt.	7.95	4.67
68 R 227	13TBX	.0007″ diamond, .003″ sapphire; with brkt.	11.95	7.02
68 R 228	13TX	.0007″ diamond, .003″ sapphire; less brkt.	10.95	6.44
68 R 657	13AT	.0007″, .003″ sapphires; less brkt.	7.95	4.67
68 RC658	13ATX	.0007″ diamond, .003″ sapphire; less brkt.	13.95	8.20
68 R 659	9-7B	.0007″ sapphire; with bracket	7.25	4.26
68 RC660	9-7BX	.0007″ diamond; with bracket	13.25	7.79

MICROGROOVE CARTRIDGES

Carefully-constructed for dependable performance. All are crys type, except *ceramic type, unaffected by heat and humidity. W .001″ sapphire needle for 45 and 33⅓ rpm long-playing records. specially treated crystal to resist heat and moisture. Needle p sure, 10 grams, except ‡8 grams. †6 grams. Av. shpg. wt., 4

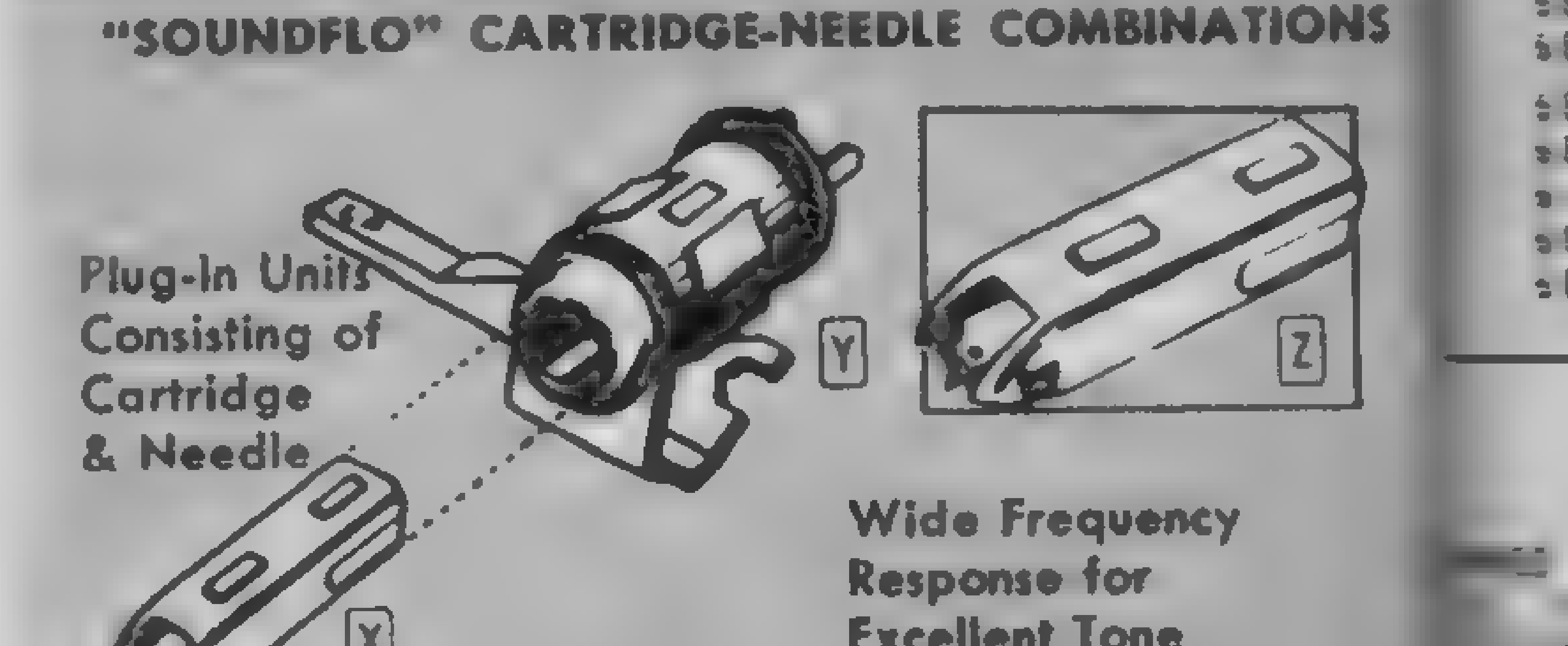
Stock No.	Type	Fig.	Replaces Astatic	Volts	CPS	List	N
65 R 241	40-1†	H	AC series	1.0	50-10,000	6.50	3.
65 R 234	51-1*	J	GC series	0.7	30-15,000	7.40	4.
61 R 325	62-1	P	62-1-M	3.0	50-50,000	4.95	2.
68 R 655	310-1‡	K		3.0	30-11,000	4.95	2.
61 R 307	414-1‡	E		3.0	30-11,000	4.45	2.

STANDARD-GROOVE CARTRIDGES

All are high-output crystal types, except *ceramic type—unaffec by heat or moisture. All models use .003″ needles. §With osm. needle. All others are supplied less needle; have screw-type ch. for conventional needle. A complete listing of quality needle located elsewhere in this section. Av. shpg. wt., 4 oz.

68 R 765	66-3	G	Series R30	3.0	50-5000	$4.95	2.
65 R 158	2	W	B-2 (Magnavox)	2.5	50-4000	9.00	5.
65 R 156	4	S	L-22A, L-26A, L-27A	1.4	50-4500	4.45	2.
65 R 153	6	S	L-40A, L-41A	0.6	50-4500	4.45	2.
65 R 226	12	T	L-10, L-12	4.0	50-5000	4.45	2.
65 R 227	12-U	T	L-12U	1.25	50-5000	4.95	2.
65 R 163	24	S	L-25A, series L-70 L-71, L-75, L-76	1.0	50-4000	4.95	2
65 R 165	26	S	L-46A, L-50A, L-72A	3.5	50-4000	4.95	2.
65 R 231	32	S	L-24A, L-36A, L-82A, L-92, L-92A, 34	3.5	50-5000	4.45	2
65 R 149	402*§	R	402A	0.7	50-10,000	7.95	4

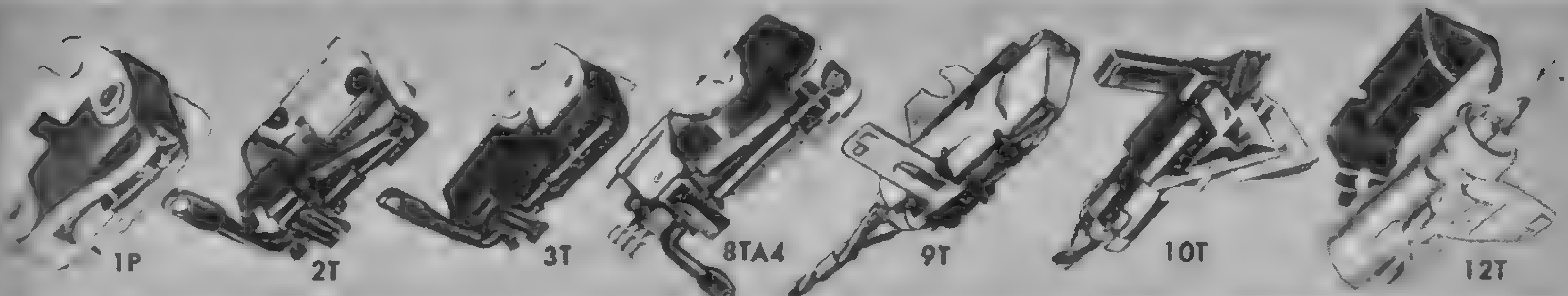
"SOUNDFLO" CARTRIDGE-NEEDLE COMBINATIONS


Plug-in Units Consisting of Cartridge & Needle
Y
Z
X
Wide Frequency Response for Excellent Tone

Astatic "Soundflo" ceramic cartridges. Precision engineered high compliance; assures excellent transient response and low tortion. Frequency response: 30 to 15,000 cps. Tracking forc grams. Cylindrical-shaped housing accommodates "plug-in" placement cartridge-needle combination. Flip-over moun bracket allows quick change to proper stylus; .001″ for LP's, .0 for 78's. Type 91T replaces Webster V8-1D, Webcor A1919, 76S; Type 91TX, Webster V8-2D, Webcor A-1920, E-V 76DS; T 93T, E-V 56S, Webster V8-1, Zenith 142-80; Type 93TX, 56DS, Webster V8-1D, Zenith 142-83. "S" indicates sapphire D—diamond tip. *With mtg. bracket and turnover holder. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Tip	Volts	List	N
61 R 308	81TB*	Z&Y	S-.001″, S-.003″	1.0	$4.95	2
61 R 309	81T	Z	S-.001″, S-.003″	1.0	3.95	2
61 R 317	81TX	Z	D-.001″, S-.003″	1.0	7.95	4
61 RC 318	81TBX*	Z&Y	D-.001″, S-.003″	1.0	8.95	5
68 R 661	89-1	Z	S-.001″	1.3	4.25	2
68 RC 662	89-1D	Z	D-.001″	1.3	10.25	6
61 R 321	89-T	Z	S-.001″, S-.003″	1.3	4.95	2
61 R 322	89TB*	Z&Y	S-.001″, S-.003″	1.3	5.95	3
61 RC 323	89TX	Z	D-.001″, S-.003″	1.3	10.95	6
61 RC 324	89TBX*	Z&Y	D-.001″, S-.003″	1.3	11.95	7
68 R 775	91T	X	S-.001″, S-.003″	1.0	3.95	2
68 RC 776	91TX	X	D-.001″, S-.003″	1.0	9.95	5
68 R 777	93T	Z	S-.001″, S-.003″	1.0	3.95	2
68 RC 778	93TX	Z	D-.001″, S-.003″	1.0	9.95	5

SONOTONE *Stereo & Monophonic Replacement Cartridges*



MONOPHONIC CARTRIDGES

cartridges ideally suited for exact replacement in many phonos. Require no preamplification or equalization. Ceram- truction provides protection against the effects of heat and e and prevents pickup of annoying hum from nearby mag- lds. All have high compliance for precision tracking. Types fix "D" in type number have diamond styli; types with S" have sapphire styli; types with suffix "SD"are dual styli ith one sapphire and one diamond stylus. All have 1 volt except *0.5 volt output. For ½" to ⅝" mtg. centers, except racket for narrow pickup arms. Shpg. wt., 3 oz.

SERIES 1P SINGLE-NEEDLE CARTRIDGES

No.	Type	Styli	List	NET
615	1P-1S	.001"	$7.50	4.41
523	1P-2S	.002"	7.50	4.41
C 350	1P-1D	.001"	16.50	9.70

SERIES 2T TURNOVER CARTRIDGES

533	2T-S	S-.001", S-.003"	$8.50	5.00
C 844	2T-SD	D-.001", S-.003"	17.50	10.29
528	2T-LB-S†	S-.001", S-.003"	8.50	5.00
C 353	2T-LB-SD†	D-.001", S-.003"	17.50	10.29

SERIES 3 WIDE-RANGE CARTRIDGES

C 857	3P-1S*	S-.001"	$10.50	6.17
C 928	3P-1D*	D-.001"	17.50	10.29
C 929	3T-S*	S-.001", S-.003"	12.50	7.35
C 948	3T-SD*	D-.001", S-.003"	18.50	10.88

SONOTONE REPLACEMENT NEEDLES

gh quality replacement needles for Sonotone cartridges. Have long playing life; provide excellent tonal characteristics. Letter "S" indicates sapphire; "D" indicates amond. *Indicates stereo types. Shpg. wt., 2 oz.

Stock No.	Type	Tip	For	List	NET
68 R 319	N1P-1S	S-.001"	Series 1P	$2.50	1.47
65 R 534	N2T-S	S-.001", S-.003"	Series 2T	3.50	2.06
65 RC 529	N2T-SD	D-.001", S-.003"	Series 2T	11.50	6.76
68 R 317	N3P-1S	S-.001"	Series 3	3.00	1.76
68 RC 316	N3P-1D	D-.001"	Series 3	11.00	6.47
68 R 318	N3T-S	S-.001", S-.003"	Series 3	3.50	2.06
68 RC 315	N3T-SD	D-.001", S-.003"	Series 3	11.50	6.90
R 361	N7T-S	S-.001", S-.003"	Series 7T	3.50	2.06
68 R 217	N8T-S*	S-.0007", S-.003"	Series 8TA4	3.50	2.06
68 RC 209	N8T-SD*	D-.0007", S-.003"	Series 8TA4	11.50	6.90

E-V Replacement Cartridges

ES 20 STEREO-MONOPHONIC CARTRIDGES. Feature low distor- high channel separation. "S" indicates sapphire; "D"— d. 7/16" to ½" mtg. centers. §Turnover type styli. Wt., 3 oz.

No.	Type	Fig.	Styli	Output	List	NET
C 784	21S	...	.0007S	500 mv	$9.50	5.59
C 867	21D	...	.0007D	500 mv	15.00	8.82
C 783	21MS	A	.0007S	20 mv	12.50	7.35
C 794	21MD	A	.0007D	20 mv	18.00	10.58
C 782	26ST§	B	.0007S/.003S	500 mv	10.50	6.17
C 799	26DST§	B	.0007D/.003S	500 mv	16.50	9.70
C 781	26MST§	...	.0007S/.003S	20 mv	13.50	7.94
C 745	26MDST§	.	.0007D/.003S	20 mv	19.50	11.57

ES 60 "POWER POINT" CARTRIDGES. Provide wide range with distortion. "S" indicates sapphire; "D"—diamond. Track- : 2-8 grams. Require holding mechanism listed below, at t., 4 oz.

No.	Type	Styli	Fits	List	NET
27	61	.0007S/.0007S	PFT-3	5.95	3.50
C 728	61DS	.0007D/.0007S	PFT-3	12.95	7.61
29	66	.0007S/.003S	PT-3	5.95	3.50
C 730	66DS	.0007D/.003S	PT-3	12.95	7.61

ES 100 "POWER POINT" CARTRIDGES. Five—contact types ng high capacity elements for improved bass response. high compliance and low tracking force. "S" indicates e; "D"—diamond. Supplied with PT-5 mount. Wt., 3½ oz.

670	101	.0007S/.0007S	PT-5	5.95	3.57
C 671	101DS	.0007D/.0007S	PT-5	12.95	7.77
72	106	.0007S/.003S	PT-5	5.95	3.57
C 673	106DS	.0007D/.003S	PT-5	12.95	7.77

STEREOPHONIC CARTRIDGES

High-quality ceramic cartridges for both stereo and monophonic records. Ideal for replacement use and for converting monophonic phonos to stereo operation. Feature low distortion, excellent response, high channel separation, and high vertical and lateral compliance. Mount on standard 7/16" to ½" centers. Series "8TA4" offers extremely high compliance; will track in professional arms with as little as 3 grams pressure. Series "9T" has snap-in and snap-out needle assembly; has jack-in type terminal plug for easy replacement of cartridge. Series "10T" has plug-in type cartridge-styli construction; supplied with mtg. brackets. Shpg. wt., 4 oz.

SERIES 8TA4 TURNOVER CARTRIDGES 0.3 volt output.

Stock No.	Type	Styli	List	NET
68 RC 764	8TA4-S	.0007" and .003" sapphires	14.50	8.54
68 RC 795	8TA4-S-77	Two .0007" sapphires	14.50	8.54
89 RC 211	8TA4-SD	.0007" diamond; .003" sapphire	17.50	10.29

SERIES 9T SUPER CARTRIDGE. 0.25 volt output.

68 RC 663	9T-S	.0007" and .003" sapphires	16.50	9.70
68 RC 664	9T-SD	.0007" diamond; .003" sapphire	19.50	11.47
68 RC 665	9TS-77	Two .0007" sapphires	16.50	9.70

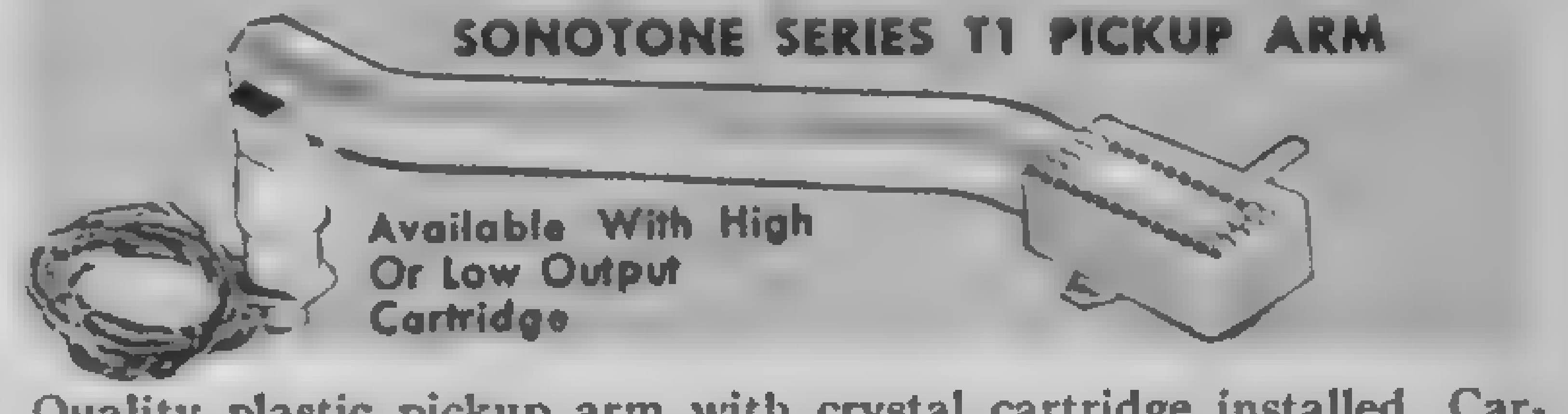
SERIES 10T PLUG-IN CARTRIDGES. 0.5 volt output.

68 R 356	10T2-S	.0007" and .003" sapphires	6.45	3.79
68 RC 358	10T2-SD	.0007" diamond; .003" sapphire	13.45	7.91
68 R 357	10T2-S77	Two .0007" sapphires	6.45	3.79
68 RC 359	10T2-SD77	.0007" diamond; .0007" sapphire	13.45	7.91

SERIES 12T CRYSTAL CARTRIDGE. *2.5 v. output; †1 v. output.

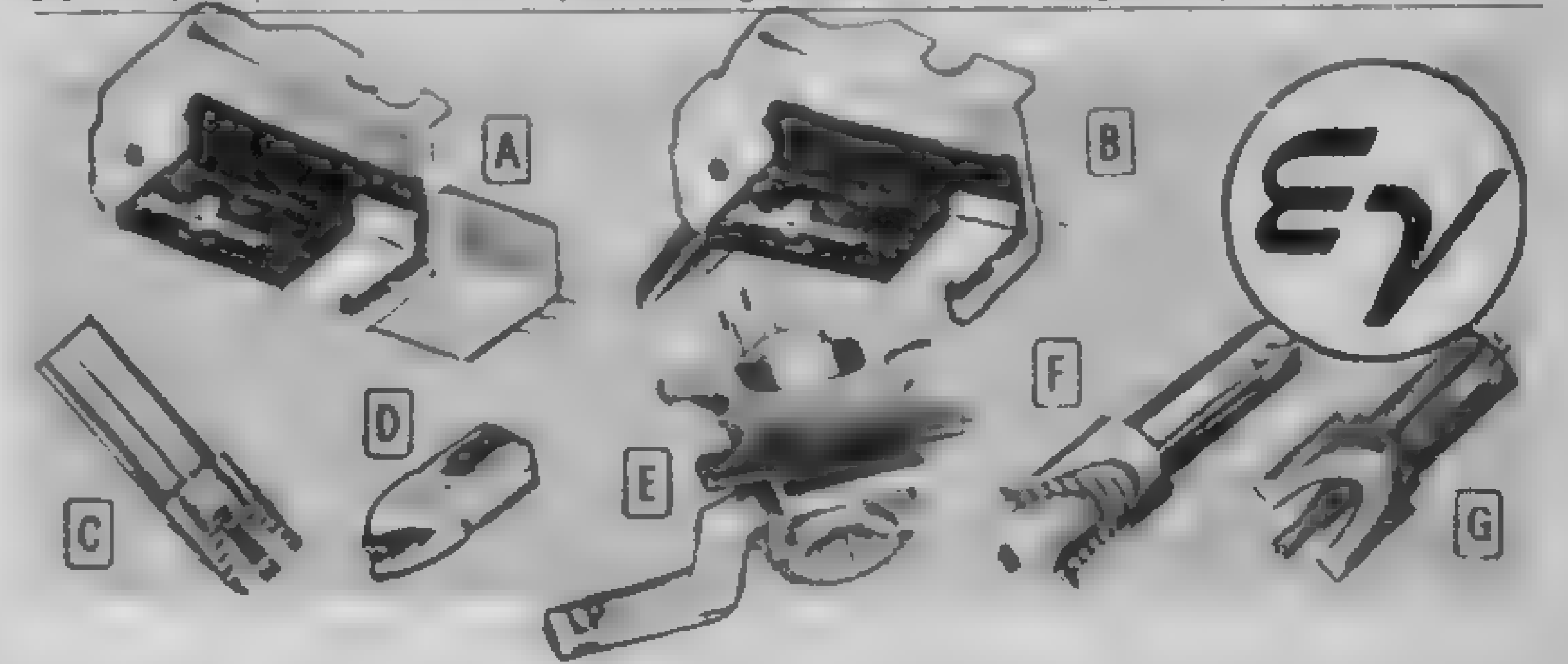
68 R 666	12TH-S*	.0007" and .003" sapphires	6.45	3.79
68 R 667	12TH-S77*	Two .0007" sapphires	6.45	3.79
68 R 668	12TL-S†	.0007" and .003" sapphires	6.45	3.79
68 R 669	12TL-S77†	Two .0007" sapphires	6.45	3.79

SONOTONE SERIES T1 PICKUP ARM



Quality plastic pickup arm with crystal cartridge installed. Cartridge has .0007" and .003" sapphire styli. Shpg. wt., 4 oz.

Stock No.	Type	Description	List	NET
68 R 631	T81-12THS	Gray plastic; high output	$7.45	4.38
68 R 632	T81-12TLS	Gray plastic; low output	7.45	4.38
68 R 633	T11-12THS	Brown plastic; high output	7.45	4.38
68 R 634	T11-12TLS	Brown plastic; low output	7.45	4.38



C **SERIES 50 "POWER POINT" TRANSDUCERS.** Miniaturized ceramic cartridges. Require PFT-3 holding mechanism, below. "S" indicates sapphire; "D"—diamond. 3 oz.

Stock No.	Type	Code	Styli	List	NET
65 R 518	51-1	Red	(2) S-.001"	$3.95	2.32
65 R 444	52-2	Green	(2) S-.002"	3.95	2.32
65 R 448	53-3	Black	(2) S-.003"	3.95	2.32
65 R 509	56	Blue	S-.001", S-.003"	3.95	2.32
65 RC 464	56DS	Orange	D-.001", S-.003"	9.95	5.85

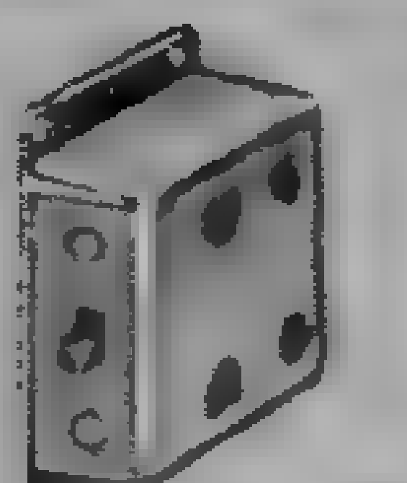
D **SERIES 76 "POWER POINT" TRANSDUCERS.** Monophonic. For Webcor phonos. "S"—sapphire; "D"—diamond. 3 oz.

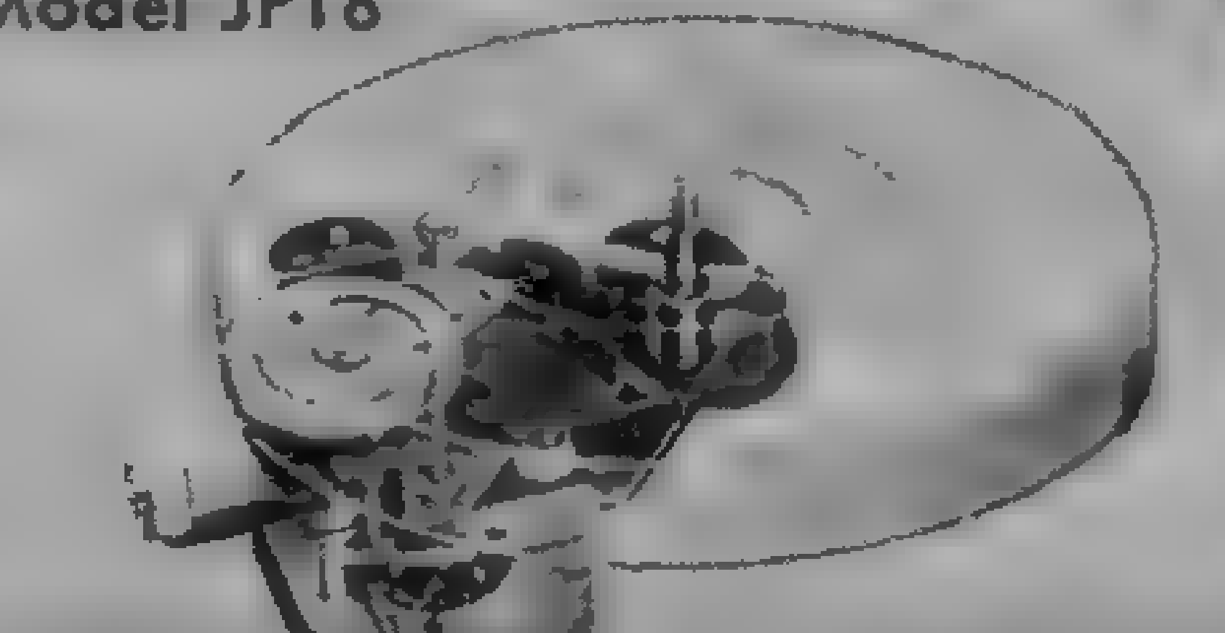
65 R 598	76S	White	S-.001", S-.003"	$3.95	2.32
65 RC 599	76DS	Pink	D-.001", S-.003"	9.95	5.85

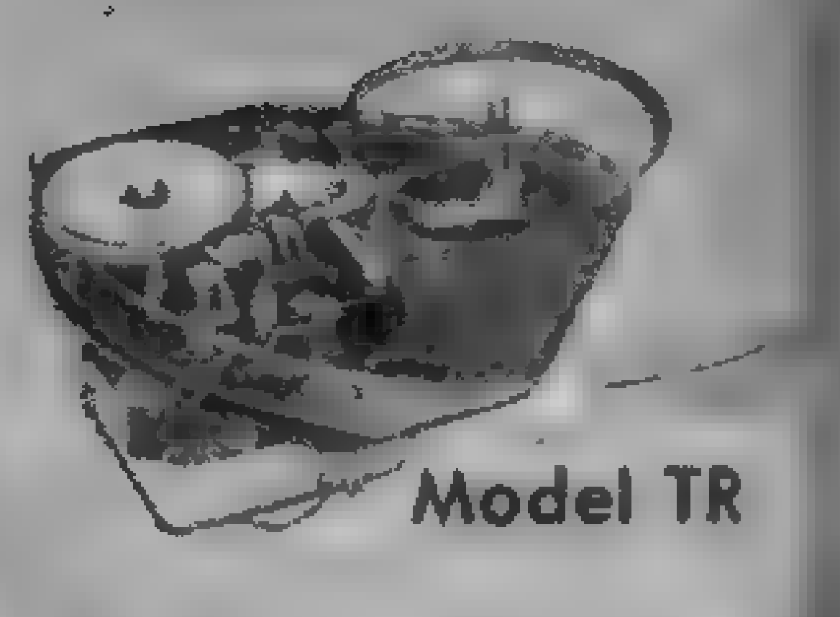
E **HOLDING MECHANISM.** Accommodate "Power Point" cartridges. Have 7/16", ½" and ⅝" mtg. hole centers. ½ oz.

Stock No.	Type	For Models	List	NET
68 R 731	PT-3	56, 56DS, 66, 66DS	$1.00	.59
68 R 732	PFT-3	51-1, 52-2, 53-3, 61, 61DS	1.00	.59

Recording Tape and Phono Accessories







Protect your 5" and 7" reels of tape in convenient-tape storage chests—see RCA listings, below.

RCA ACETATE-BASE TAPE. Quality magnetic tape for critical recording applications. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Tape Footage	Reel Size	Mils	List	NET EACH 1-11	NET EACH 12-UP
92 R 963	289C1	900'	5"	1	$3.50	2.29	2.06
90 R 954	284C1	600'	5"	1½	2.25	1.47	1.32
90 R 958	286C1	1800'	7"	1	5.50	3.60	3.23
90 R 951	285C1	1200'	7"	1½	3.50	2.29	2.06

RCA "MYLAR"-BASE TAPE. Superior magnetic recording tape on a "Mylar" base. For use under adverse recording conditions—virtually unaffected by extremes in cold, heat and humidity. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Tape Footage	Reel Size	Mils	List	NET EACH 1-11	NET EACH 12-Up
92 R 967	252C1	1200'	5"	½	$4.55	2.97	2.68
92 R 968	253C1	900'	5"	1	3.60	2.35	2.12
92 R 969	254C1	600'	5"	1½	4.10	2.68	2.41
90 R 955	287C1	2400'	7"	½	7.85	5.34	4.61
92 R 971	258C1	1800'	7"	1	6.20	4.05	3.65
92 R 972	259C1	1200'	7"	1½	6.65	4.34	3.91

RCA TAPE STORAGE CASES. (Not illus.) Handy bookshelf-type cases for storage of your tape reels. Chip-board construction; gold-stamped, simulated leather covering. Holds 5 reels. Shpg. wt., ½ lb.

Type 501C1. For 5" reels. 5⅝x4³⁄₁₆x5⅜".
92 R 961. List, $1.28. **NET**..........**75c**

Type 502C1. For 7" reels. 7⅝x4³⁄₁₆x5⅜".
92 R 962. List, $1.40. **NET**..........**82c**

RCA 202W1 PHONO SWITCH. For using either of two record players or changers with one radio or amplifier. Slide switch. With plugs. Shpg. wt., 6 oz.
69 R 506. List, $5.65. **NET**........**2.50**

RCA 240X1 PHONO SWITCH. For operation of record players through radios that do not have a phono input. With plug, cable and instructions. 6 oz.
69 R 505. List, $3.35. **NET**.........**1.96**

ALLIANCE JPT8. 3-speed phono motor with 8" turntable. Constant-speed, 2-pole motor. Plays 33⅓, 45 and 78 rpm records. Speed selector moves idler to position for desired speed. Rubber shock-mounted motor. With 45-rpm record adapter. Mounts in 4⅜x5¼" cutout. Requires 2½" below base plate. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 3½ lbs.
85 R 440. List, $10.95. **NET**.......**6.44**

MODEL JPQ8. As above, but 4 speeds.
85 R 442. List, $13.50. **NET**.......**7.94**

GENERAL INDUSTRIES SS. Low-cost phono motor with 8" turntable. Induction-type, 2-pole motor features oilless bearings and balanced rotor. 33⅓, 45 and 78 rpm. With speed indicator dial, 45 rpm adapter. 3¹⁵⁄₁₆x4¹³⁄₃₂x4¾" without turntable. 2¹⁵⁄₃₂" below mtg. plate. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
85 R 276. List, $10.95. **NET**.......**6.57**

85 R 277. **SS-4.** As above, but has 4th speed (16⅔ rpm). List, $11.75. **NET**...**7.05**

GENERAL INDUSTRIES DSS. (Not illus.) 3-speed phono motor with 10" turntable—features a 4-pole, shaded-pole motor, oilless bearings, and a dynamically balanced rotor. Plays 33⅓, 45 and 78 rpm records. With 45-rpm record adapter and "On-Off" switch. 4⅜x6⅝x6¹⁄₁₆". Requires 2²¹⁄₃₂" below mtg. plate. For 110-120 volts, 60 cycle AC. Shpg. wt., 6½ lbs.
85 R 275. List, $25.75. **NET**.......**15.45**

GENERAL INDUSTRIES TR. 3-speed phono r
tor with 9" turntable. Has constant-spe
2-pole motor. Speeds of 33⅓, 45 and
rpm from separate pulleys, which diseng
from motor in "off" position. Includes sp
indicator, 45-rpm record adapter. 3
5¾x5¾". Requires 1⅞" below mount
plate. For operation from 110-120 v.,
cycle AC. Shpg. wt., 4 lbs.
96 R 367. List, $12.45. **NET**.......**7.**

**GENERAL INDUSTRIES BATTERY-OPERA
PHONO MOTORS.** (Not illustrated.) Sele
ed phono motors that operate on four fl
light cells (listed below). 2-pole encl
motor has self-lubricating bearings. T
BX has neutral "off"—shift lever can
placed on either side of the turntable. 6
4½x2¾". Require 2" space below
surface. Shpg. wt., 1 lb.

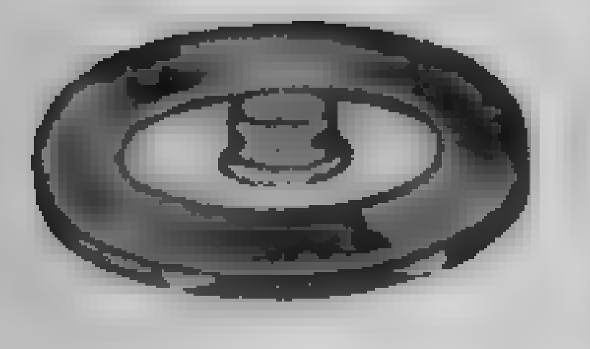
Type BX. For 45, 33⅓, 16⅔ rpm.
85 R 203. **NET**..................**10.**

Type BX-45. For 45 rpm only.
85 R 204. **NET**..................**8**

TYPE 2 BURGESS BATTERY. For use with T
BX and Type BX-45 phono motors, ab
Four required. Shpg. wt., 6 oz.
53 J 009. **NET EACH**...............**1**

ASTATIC KR314-T. Lightweight, bala
pickup arm, supplied complete with
output crystal and turnover cartridge. I
for replacement in manual record pla
Installs quickly and easily—no alterat
are required on the record player. Turn
mechanism permits instant selection
either .003" standard or .001" microgro
sapphire needles. Ivory finish. 8½"
Shpg. wt., 1 lb.
61 R 326. **NET**..................**4.**

Selected Walsco Phonograph Replacement Parts



To select parts, check the Walsco numbers obtained from the reference list with the descriptive table. When ordering, give Stock No., Walsco number and description. 3 oz.

REFERENCE LIST

Mfr's. and Models — **Walsco Type No.**

Admiral (Idler wheel Part No. G400A57) For Models RC150, -160, -160A, -161, -161A, -170, -170A, -180, -181, -200..........1434
(For idler with Part No. G400A59 or G400A-279) RC150, -160, -160A, -161, -161A, -200, -210, -211, -212, -220, -221, -222, -320, -321, -322, -500, -550..........1432

Collaro (Idler wheel Part No. 3199 (54-36)) RC54, -440, -456, TC340, -340E, -540, 3RC531, -532, TSC-640, -740, -840....1449

Garrard RC80..........1416, 1444
T, TA..........1445
RC88, -98, Mark II, -121, 121/II, Model T Mark II..........1479

G. E. (Idler wheel RMW-043) P-6........1432
(Idler wheel Part No. RMW-056) For Models P8, -10..........1438
(Idler wheel Part No. RMW-053) For Models P8, -10, -17..........1437
P12, -13..........1433
P14, -15, -16.........1432, 1460, 1461, 1462
P15..........1414, 1415
P17..........1463, 1464, 1465

Motorola VM3RC....1432, 1460, 1461, 1462
W4RC..........1437, 1438
(Replaces idlers with Part Nos. 49R484327 and 49R484328)
S5RC..........1432
(Replaces idlers with Part No. 49R484329)
S5RC..........1434

Philco M7, -8..........1434
M9C, -12C..........1432
M12C, -20, -24A, -26, -28..........1415
M22, -24A, -26, -28..........1435

Mfr's. and Models — **Walsco Type No.**

RCA (For idler with Part No. 76750) 15E, 15F-1, RP197 and RP198 series..........1432, 1460, 1461, 1462
(Idler wheel Part No. 78508) RP168 and RP190 Series..........1447
CRP-19A-1..........1432
RP205/107 motor..........1466
RP205/190 series motors..1490-01, 1495-01
6EMP1, -2..........1433

Silvertone (Idler wheel Part No. K-3481) For Models 101.211, -.212, 488.216.........1434
(Idler wheel Part No. K-3352) For Models 101.211, -.212, 488.216..........1487
(Idler wheel Part No. R-46350 or R-49655) For 101.211, -.212, -.761-2, -.761-3, -.762, -.762-2, -.762-3, -.763, 488.216, -.218....1432
(Idler wheel Part No. R-49662) 101.762, -.763..........1434
488.218..........1452, 1460, 1461, 1462
488.219..........1414, 1432

VM 100A, 105, 150, 406, 407, 802, 959...1414
155, 556, 560, 565, 1200, 1225, 1250, 1275, 1285..........1453
400D, 402D, 404, 405, 800D..........1433
625..........1447
406, 407, 920, 990.........1460, 1461, 1462
(Replaces idler with Part No. 2772) 406, 407, 802, 910, 935, 936, 950, 951..........1432
(Replaces idler with Part No. 3481) 950, 951..........1434
920, 990..........1452
(For units with 45-rpm pulley with Part No. 3140) 950, 951..........1460, 1461, 1462
(For units with 45-rpm pulley with Part No. 3483) 950, 951..........1466, 1467, 1468
(For units with take-up belt with Part No. 8034) 700, 701, 710, 710A, 711, 711A, 714 and 750A..........1409-04

Webcor 7, 18, 50, 56, 70, 78, 79, 80, 81, 100, 101, 106, 109, 110, 133, 146, 148, 156, 178, 180, 181, 246, 256, 288, 346, 356..........1437
100, 101, 106, 109, 110, 346, 356..........1463, 1464, 1465
114, 121, 122, 123, 124, 125, 126, 127, 129,

Mfr's. and Models — **Walsco Type**

Webcor (Cont'd)
134, 150, 246, 256, 333, 1024, 1121,
1123, 1124, 1126, 1127, 1133, 1137,
1139, 1150..........
(Index finger cushion with Part No. 24
100 Series, 110, 114, 121 Series and
Series..........

Stock No.	Walsco Type	Description	NET EACH
43 N 425	1409-04	Take-Up Belt	1.
43 N 401	1414	Belt (small)	.17
43 N 402	1415	Belt (large; tire in some units)	.15
43 N 426	1419	Finger Index Cushion	.18
43 N 406	1432	Idler Wheel	.
43 N 388	1433	Idler Wheel	.
43 N 389	1434	Idler Wheel	.
43 N 390	1435	Idler Wheel	.
43 N 408	1437	Idler Wheel; 78	1.
43 N 409	1438	Idler Wheel; 33⅓	1.
43 N 412	1447	Idler Wheel	.
43 N 434	1449	Idler Wheel	1.
43 N 435	1452	Idler Wheel	.
43 N 391	1479	Idler Wheel	1.
43 N 392	1487	Idler Wheel	.
43 N 393	1490-01	Idler Wheel	.
43 N 432	1444	Inter Wheel	1.
43 N 433	1445	Inter Wheel	1.
43 N 394	1453	Idler Pulley	1.
43 N 415	1462	33⅓ rpm Pulley	.
43 N 418	1465	33⅓ rpm Pulley	1.
43 N 421	1468	33⅓ rpm Pulley	.
43 N 395	1495-01	33⅓ rpm Pulley	.
43 N 414	1461	45 rpm Pulley	.
43 N 417	1464	45 rpm Pulley	1.
43 N 420	1467	45 rpm Pulley	.
43 N 413	1460	78 rpm Pulley	.
43 N 416	1463	78 rpm Pulley	1.
43 N 419	1466	78 rpm Pulley	.

RCA Quality Receiving Tubes

RCA RADIOTRONS—THE GREAT NAME IN ELECTRONIC TUBES

- **Finest Premium-Quality Tubes—All Types in Stock**
- **May Be Assorted for Quantity-Price Savings**
- **Always Freshest Stocks—Full 1-Year Guarantee**
- **Buy Tubes on Allied's Easy Payment Plan**

e can be sure of complete satisfaction when you order tubes from ied. We will replace any tube that does not give efficient ormance for 12 months from date of purchase. This does not ly to burned-out or broken tubes. *Not made by RCA—other known brands supplied. *Purchasers of tubes in lots of 15 or more y obtain RCA's Receiving Tube Manual at no extra cost—ask for* k No. 37 K 575. Av. shpg. wt. per tube, 4 oz.; per 10, 2½ lbs.

ACT NOW!

Take advantage of our convenient Time Payment Plan—purchase all of the receiving tubes you need from Allied on Easy Time Payments—Minimum order, $20. Only $2 down on orders from $20 to $50.

Tube Type	List Price	NET EACH In Quantities of: 1 to 5	6 to 49	50 or More
4/6FG6	$2.95	1.65	1.44	1.30
4	2.15	1.20	1.05	.94
G	2.35	1.31	1.15	1.03
3	3.40	1.90	1.66	1.49
GT	3.50	1.96	1.72	1.55
GT	3.70	2.07	1.81	1.63
F4*	4.45	2.49	2.18	1.96
X2	3.05	1.70	1.49	1.34
GT	2.90	1.62	1.43	1.29
GT	3.60	2.01	1.76	1.58
5	2.20	1.23	1.08	.97
GT/1B3GT	2.90	1.62	1.43	1.29
GT	3.05	1.70	1.49	1.34
3	2.90	1.62	1.43	1.29
GT*	2.90	1.62	1.43	1.29
[illegible]	2.90	1.62	1.43	1.29
GT*	2.90	1.62	1.43	1.29
5	3.50	1.96	1.72	1.55
4*	4.45	2.49	2.18	1.96
6	4.10	2.29	2.01	1.81
4	4.45	2.49	2.18	1.96
5*	4.05	2.26	1.98	1.78
C6	4.10	2.29	2.01	1.81
5	4.25	2.37	2.08	1.87
3	4.25	2.37	2.08	1.87
5	4.05	2.26	1.98	1.78
4	3.95	2.21	1.94	1.75
5	3.95	2.21	1.94	1.75
5GT	3.65	2.04	1.79	1.61
GT*	4.05	2.26	1.98	1.78
5	2.55	1.43	1.25	1.12
A*	3.10	1.73	1.52	1.37
4	3.65	2.04	1.79	1.61
[illegible]	2.55	1.43	1.25	1.12
4	2.40	1.34	1.18	1.06
4	2.35	1.31	1.15	1.03
5	2.05	1.15	1.00	.90
[illegible]	4.05	2.26	1.98	1.78
2	2.00	1.12	.98	.88
A	3.05	1.70	1.49	1.34
B	3.05	1.70	1.49	1.34
3	6.95	3.89	3.41	3.06
4A	4.05	2.26	1.98	1.78
4B*	4.05	2.26	1.98	1.78
*	2.90	1.62	1.43	1.29
4	2.55	1.43	1.25	1.12
4A*	2.55	1.43	1.25	1.12
5	2.80	1.56	1.37	1.23
5*	2.80	1.56	1.37	1.23
5	2.00	1.12	.98	.88
*	2.75	1.54	1.35	1.21
[illegible]	3.60	2.01	1.76	1.58
[illegible]	3.40	1.90	1.66	1.49
4A	4.05	2.26	1.98	1.78
5	1.85	1.03	.91	.82
3	2.15	1.20	1.05	.94
3	1.75	.98	.86	.77
[illegible]	6.20	3.46	3.04	2.74
5*	2.15	1.20	1.05	.94
5	2.30	1.29	1.13	1.02
5*	2.25	1.26	1.10	.99
4	2.55	1.43	1.25	1.12
6	3.05	1.70	1.49	1.34
3	2.80	1.56	1.37	1.23
6	2.35	1.31	1.15	1.03
5	2.35	1.31	1.15	1.03
3	2.25	1.26	1.10	.99
5*	2.35	1.31	1.15	1.03
5	2.55	1.43	1.25	1.12
[illegible]	2.45	1.37	1.20	1.08

Tube Type	List Price	NET EACH In Quantities of: 1 to 5	6 to 49	50 or More
3CY5	$2.85	1.59	1.40	1.26
3DK6	2.40	1.34	1.18	1.06
3DT6	2.20	1.23	1.08	.97
3EA5*	2.85	1.59	1.40	1.26
3ER5*	3.00	1.68	1.47	1.32
3LF4	4.20	2.35	2.06	1.85
3Q4	2.75	1.54	1.35	1.21
3Q5GT	3.60	2.01	1.76	1.58
3S4	2.45	1.37	1.20	1.08
3V4	2.35	1.31	1.15	1.03
4AU6	2.15	1.20	1.05	.94
4BC5	2.35	1.31	1.15	1.03
4BC8	4.05	2.26	1.98	1.78
4BN6	3.05	1.70	1.49	1.34
4BQ7A	4.00	2.23	1.96	1.76
4BS8	3.85	2.15	1.89	1.70
4BU8	2.80	1.56	1.37	1.23
4BX8*	3.45	1.93	1.69	1.52
4BZ6	2.25	1.26	1.10	.99
4BZ7	4.05	2.26	1.98	1.78
4CB6	2.30	1.29	1.13	1.02
4CS6	2.35	1.31	1.15	1.03
4CY5*	2.85	1.59	1.40	1.26
4DE6	2.65	1.48	1.30	1.17
4DT6	2.25	1.26	1.10	.99
4EW6	2.35	1.31	1.15	1.03
5AM8	3.30	1.84	1.62	1.46
5AN8	3.55	1.98	1.74	1.57
5AQ5	2.20	1.23	1.08	.97
5AS4A	2.10	1.17	1.03	.93
5AS8	3.50	1.96	1.72	1.55
5AT8	3.25	1.82	1.59	1.43
5AU4*	3.40	1.90	1.66	1.49
5AV8	4.05	2.26	1.98	1.78
5AW4*	2.80	1.56	1.37	1.23
5AZ4	2.65	1.48	1.30	1.17
5B8	4.15	2.32	2.03	1.83
5BE8	3.30	1.84	1.62	1.46
5BK7A	3.40	1.90	1.66	1.49
5BQ7A	4.00	2.23	1.96	1.76
5BR8	3.30	1.84	1.62	1.46
5BT8	3.30	1.84	1.62	1.46
5BW8*	3.40	1.90	1.66	1.49
5CG8	3.25	1.82	1.59	1.43
5CL8A	3.15	1.76	1.54	1.39
5CM8	3.55	1.98	1.74	1.57
5CQ8	3.35	1.87	1.64	1.48
5CU4*	3.25	1.82	1.59	1.43
5CZ5	3.05	1.70	1.49	1.34
5DH8*	4.05	2.26	1.98	1.78
5EA8*	3.15	1.76	1.54	1.39
5EU8*	3.20	1.79	1.57	1.41
5FV8*	3.15	1.76	1.54	1.39
5J6	2.80	1.56	1.37	1.23
5T4	8.70	4.86	4.26	3.83
5T8	3.40	1.90	1.66	1.49
5U4G	2.10	1.17	1.03	.93
5U4GA*	2.10	1.17	1.03	.93
5U4-GB	2.10	1.17	1.03	.93
5U8	3.30	1.84	1.62	1.46
5V3	3.65	2.04	1.79	1.61
5V4GA	3.30	1.84	1.62	1.46
5V6GT	2.20	1.23	1.08	.97
5X4G	2.95	1.65	1.44	1.30
5X8	3.30	1.84	1.62	1.46
5Y3GT	1.75	.98	.86	.77
5Y4GT	2.45	1.37	1.20	1.08
5Z3	3.00	1.68	1.47	1.32

RECEIVING TUBES CONTINUED ON NEXT PAGE

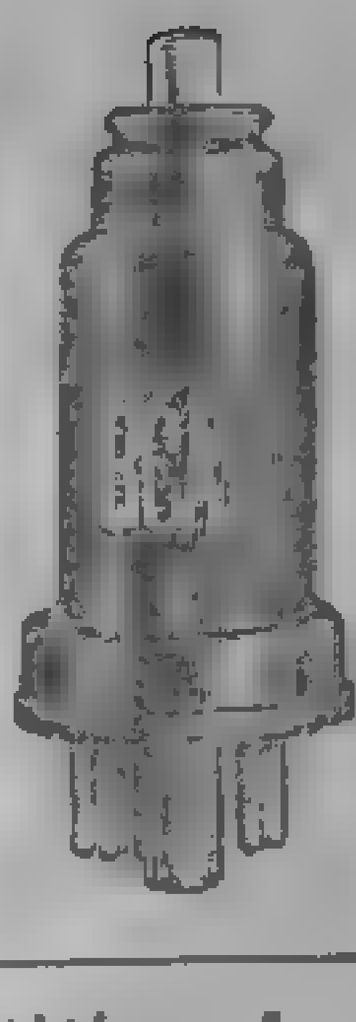
RCA Receiving Tubes (Cont'd)

QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Tube Type	List Price	NET EACH In Quantities of:		
		1 to 5	6 to 49	50 or More
6Z4	$5.25	2.93	2.57	2.31
6A7	5.10	2.85	2.50	2.25
6A8	5.80	3.24	2.84	2.56
6A8GT	4.75	2.65	2.33	2.10
6AB4	2.15	1.20	1.05	.94
6AB5/6N5	4.05	2.26	1.98	1.78
6AB7	6.05	3.38	2.76	2.66
6AC5GT	4.80	2.68	2.35	2.11
6AC7	4.85	2.71	2.38	2.14
6AD7G	6.50	3.63	3.19	2.87
6AF3	2.90	1.62	1.43	1.29
6AF4	4.00	2.23	1.96	1.76
6AF4A	4.00	2.23	1.96	1.76
6AF6G	3.70	2.07	1.81	1.63
6AG5	2.60	1.45	1.27	1.14
6AG7	5.90	3.30	2.89	2.60
6AH4GT	3.30	1.84	1.62	1.46
6AH6	4.60	2.57	2.25	2.03
6AK5	4.20	2.35	2.06	1.85
6AL5	1.85	1.03	.91	.82
6AL7GT	5.75	3.21	2.82	2.54
6AM4	5.90	3.30	2.89	2.60
6AM8A	3.25	1.82	1.59	1.43
6AN4	4.95	2.77	2.43	2.19
6AN8	3.50	1.96	1.72	1.55
6AN8A*	3.50	1.96	1.72	1.55
6AQ5A	2.15	1.20	1.05	.94
6AQ6	2.20	1.23	1.08	.97
6AQ7GT	4.00	2.23	1.96	1.76
6AR5	2.60	1.45	1.27	1.14
6AS5	2.40	1.34	1.18	1.06
6AS8	3.30	1.84	1.62	1.46
6AT6	1.90	1.06	.93	.84
6AT8A	3.20	1.79	1.57	1.41
6AU4GTA	3.35	1.87	1.64	1.48
6AU5GT	4.30	2.40	2.11	1.90
6AU6	2.10	1.17	1.03	.93
6AU6A*	2.10	1.17	1.03	.93
6AU8	3.50	1.96	1.72	1.55
6AU8A*	3.50	1.96	1.72	1.55
6AV5GA	3.80	2.12	1.86	1.67
6AV6	1.65	.92	.81	.73
6AW8A	3.55	1.98	1.74	1.57
6AX4GT	2.65	1.48	1.30	1.17
6AX4GTB*	2.65	1.48	1.30	1.17
6AX5GT	2.90	1.62	1.43	1.29
6AX8	3.50	1.96	1.72	1.55
6AZ8	4.20	2.35	2.06	1.85
6B4G*	15.00	8.40	7.30	6.60
6B7*	3.70	2.07	1.81	1.63
6B8	5.55	3.10	2.72	2.45
6BA6	2.00	1.12	.98	.88
6BA7	3.65	2.04	1.79	1.61
6BA8A	3.70	2.07	1.81	1.63
6BC4	4.90	2.74	2.40	2.16
6BC5	2.30	1.29	1.13	1.02
6BC7	3.80	2.12	1.86	1.67
6BC8	3.95	2.21	1.94	1.75
6BD6	2.30	1.29	1.13	1.02
6BE6	2.20	1.23	1.08	.97
6BF5	3.55	1.98	1.74	1.57
6BF6	1.80	1.01	.88	.79
6BG6G	6.50	3.63	3.19	2.87
6BH6	2.70	1.51	1.32	1.19
6BH8	3.45	1.93	1.69	1.52
6BJ6	2.60	1.45	1.27	1.14
6BJ7	2.95	1.65	1.44	1.30
6BJ8	2.90	1.62	1.43	1.29
6BK4	7.50	4.18	3.68	3.31
6BK5	3.50	1.96	1.72	1.55
6BK7B	3.40	1.90	1.66	1.49
6BL7GTA	3.95	2.21	1.94	1.75
6BN4	2.50	1.40	1.23	1.11
6BN4A	2.50	1.40	1.23	1.11
6BN6	3.05	1.70	1.49	1.34
6BN8	2.70	1.51	1.32	1.19
6BQ5	2.35	1.31	1.15	1.03
6BQ6GTB/6CU6	4.35	2.43	2.13	1.92
6BQ7A	3.95	2.21	1.94	1.75
6BR8A	3.50	1.96	1.72	1.55
6BS8	3.75	2.10	1.84	1.66
6BU8	2.80	1.56	1.37	1.23
6BW4	2.05	1.15	1.00	.90
6BW8*	3.30	1.84	1.62	1.46
6BX7GT	4.00	2.23	1.96	1.76
6BY5GA	4.20	2.35	2.06	1.85
6BY6	2.30	1.29	1.13	1.02
6BY8	2.85	1.59	1.40	1.26

Tube Type	List Price	NET EACH In Quantities of		
		1 to 5	6 to 49	50 or Mo
6BZ6	$2.25	1.26	1.10	.99
6BZ7	4.00	2.23	1.96	1.76
6BZ8	4.45	2.49	2.18	1.96
6C4	1.85	1.03	.91	.82
6C5	3.15	1.76	1.54	1.39
6C5GT	2.90	1.62	1.43	1.29
6C6	4.80	2.68	2.35	2.11
6C8G	5.10	2.85	2.50	2.25
6CA4	1.95	1.09	.96	.86
6CA5*	2.50	1.40	1.23	1.11
6CB5A	7.50	4.18	3.68	3.31
6CB6A	2.25	1.26	1.10	.99
6CD6GA	5.80	3.24	2.84	2.56
6CE5*	2.35	1.31	1.15	1.03
6CF6	2.55	1.43	1.25	1.12
6CG7	2.45	1.37	1.20	1.08
6CG8A	3.15	1.76	1.54	1.39
6CH8	3.60	2.01	1.76	1.58
6CK4	2.80	1.56	1.37	1.23
6CL6	3.75	2.10	1.84	1.66
6CL8A	3.15	1.76	1.54	1.39
6CM6	2.55	1.43	1.25	1.12
6CM7	2.75	1.54	1.35	1.21
6CM8	3.55	1.98	1.74	1.57
6CN7	2.60	1.45	1.27	1.14
6CQ8	3.30	1.84	1.62	1.46
6CR6	2.40	1.34	1.18	1.06
6CS6	2.35	1.31	1.15	1.03
6CS7	2.95	1.65	1.44	1.30
6CU5	2.30	1.29	1.13	1.02
6CU8	3.65	2.04	1.79	1.61
6CW4	4.45	2.49	2.18	1.96
6CX8	3.65	2.04	1.79	1.61
6CY5	2.75	1.54	1.35	1.21
6CY7	2.95	1.65	1.44	1.30
6CZ5	3.00	1.68	1.47	1.32
6D6	4.35	2.43	2.13	1.92
6DA4	2.70	1.51	1.32	1.19
6DB5*	2.70	1.51	1.32	1.19
6DC6	3.00	1.68	1.47	1.32
6DE4	2.80	1.56	1.37	1.23
6DE6	2.80	1.56	1.37	1.23
6DE7	2.95	1.65	1.44	1.30
6DG6GT	2.55	1.43	1.25	1.12
6DK6	2.35	1.31	1.15	1.03
6DN6	6.25	3.49	3.06	2.75
6DN7	3.50	1.96	1.72	1.55
6DQ5	7.65	4.27	3.75	3.37
6DQ6A	4.15	2.32	2.03	1.83
6DQ6B*	4.10	2.29	2.01	1.81
6DR7	2.95	1.65	1.44	1.30
6DS5	2.70	1.51	1.32	1.19
6DT5	3.05	1.70	1.49	1.34
6DT6	2.15	1.20	1.05	.94
6DT8	3.75	2.10	1.84	1.66
6E5	3.00	1.68	1.47	1.32
6EA5*	2.80	1.56	1.37	1.23
6EA7*	3.50	1.96	1.72	1.55
6EA8	3.15	1.76	1.54	1.39
6EB5*	2.90	1.62	1.43	1.29
6EB8	3.70	2.07	1.81	1.63
6EH5	2.35	1.31	1.15	1.03
6EH8	3.15	1.76	1.54	1.39
6EM5	3.05	1.70	1.49	1.34
6EM7	3.40	1.90	1.66	1.49
6ER5	3.00	1.68	1.47	1.32
6ES5*	2.80	1.56	1.37	1.23
6EU8*	3.15	1.76	1.54	1.39
6EV5*	3.00	1.68	1.47	1.32
6EV7	2.50	1.40	1.23	1.11
6EW6	2.30	1.29	1.13	1.02
6EX6*	5.80	3.24	2.84	2.56
6F5	3.65	2.04	1.79	1.61
6F6	4.20	2.35	2.06	1.85
6F6G	3.60	2.01	1.76	1.58
6F6GT	3.65	2.04	1.79	1.61
6F7	7.25	4.05	3.56	3.20
6F8G	5.60	3.13	2.74	2.47
6FH5	2.50	1.40	1.23	1.11
6FM8*	3.00	1.68	1.47	1.32
6FV6	2.75	1.54	1.35	1.21
6FV8*	3.15	1.76	1.54	1.39
6G6G	4.50	2.51	2.21	1.99
6GH8	3.15	1.76	1.54	1.39
6GK6*	2.55	1.43	1.25	1.12
6GM6	2.40	1.34	1.18	1.06
6H6	3.55	1.98	1.74	1.57
6J5	3.10	1.73	1.52	1.37

RCA Receiving Tubes



BUY RCA RECEIVING TUBES ON OUR EASY PAY PLAN

Extra Savings When You Buy More Than 5 Tubes

The first net price column (1 to 5), is for orders of less than 6 tubes. If you buy 6 or more tubes of any one type or assorted types (and up to a total of 49), use the prices in the second net price column (6 to 49). For 50 tubes and over, use the third price column (50 or More). Take advantage of these quantity prices!

Tube Type	List Price	NET EACH In Quantities of: 1 to 5	6 to 49	50 or More
GT	$2.70	1.51	1.32	1.19
[illegible]	2.80	1.56	1.37	1.23
[illegible]	2.80	1.56	1.37	1.23
[illegible]	4.55	2.54	2.23	2.01
GT	4.05	2.26	1.98	1.78
GT	2.35	1.31	1.15	1.03
[illegible]	4.60	2.57	2.20	2.03
GT	3.75	2.10	1.84	1.66
[illegible]	4.70	2.63	2.30	2.07
[illegible]	6.35	3.55	3.11	2.80
GC	3.80	2.12	1.86	1.67
[illegible]	5.00	2.79	2.45	2.20
[illegible]	4.35	2.43	2.13	1.92
GT	4.35	2.43	2.13	1.92
GT*	2.80	1.56	1.37	1.23
[illegible]	3.95	2.21	1.94	1.75
GT	3.20	1.79	1.57	1.41
[illegible]	4.35	2.43	2.13	1.92
[illegible]	3.85	2.15	1.89	1.70
[illegible]	2.05	1.15	1.00	.90
[illegible]	5.05	2.82	2.47	2.23
GT	2.75	1.54	1.35	1.21
[illegible]	3.95	2.21	1.94	1.75
GT	3.25	1.82	1.59	1.43
Y	5.35	2.99	2.62	2.36
[illegible]	3.85	2.15	1.89	1.70
F5	3.10	1.73	1.52	1.37
GT	3.20	1.79	1.57	1.41
[illegible]	4.75	2.65	2.33	2.10
[illegible]	4.20	2.35	2.06	1.85
[illegible]	4.05	2.26	1.98	1.78
7	3.75	2.10	1.84	1.66
J7GT	3.20	1.79	1.57	1.41
K7	3.60	2.01	1.76	1.58
K7GT	3.05	1.70	1.49	1.34
L7GT	3.30	1.84	1.62	1.46
GTB	2.60	1.45	1.27	1.14
Q7	3.30	1.84	1.62	1.46
Q7GT	2.70	1.51	1.32	1.19
R7	3.25	1.82	1.59	1.43
S7	4.20	2.35	2.06	1.85
4	4.35	2.43	2.13	1.92
A	3.35	1.87	1.64	1.48
5	3.20	1.79	1.57	1.41
A	3.30	1.84	1.62	1.46
A	4.35	2.43	2.13	1.92
5	5.00	2.79	2.45	2.20
GT	2.15	1.20	1.05	.94
GTA*	2.20	1.23	1.08	.97
[illegible]	3.95	2.21	1.94	1.75
GT	2.40	1.34	1.18	1.06
GT	2.85	1.59	1.40	1.26
4	1.65	.92	.81	.73
GT	2.05	1.15	1.00	.90
[illegible]	3.15	1.76	1.54	1.39
[illegible]	3.45	1.93	1.69	1.52
GA	3.45	1.93	1.69	1.52
[illegible]	3.25	1.82	1.59	1.43
[illegible]	3.85	2.15	1.89	1.70
[illegible]	3.15	1.76	1.54	1.39
[illegible]	3.50	1.96	1.72	1.55
[illegible]	4.70	2.63	2.30	2.07
[illegible]	3.85	2.15	1.89	1.70
[illegible]	3.85	2.15	1.89	1.70
[illegible]	3.85	2.15	1.89	1.70
[illegible]	2.60	1.45	1.27	1.14
[illegible]	3.05	1.70	1.49	1.34
[illegible]	4.75	2.65	2.33	2.10
[illegible]	3.25	1.82	1.59	1.43
[illegible]	3.50	1.96	1.72	1.55
[illegible]	3.55	1.98	1.74	1.57
[illegible]	5.00	2.79	2.45	2.20
[illegible]	3.50	1.96	1.72	1.55
[illegible]	3.50	1.96	1.72	1.55
[illegible]	3.20	1.79	1.57	1.41
[illegible]	4.05	2.26	1.98	1.78
[illegible]	4.45	2.49	2.18	1.96
[illegible]	3.00	1.68	1.47	1.32
[illegible]	3.85	2.15	1.89	1.70

Tube Type	List Price	NET EACH In Quantities of: 1 to 5	6 to 49	50 or More
7F8	$4.60	2.57	2.25	2.03
7G7	4.00	2.23	1.96	1.76
7H7	3.90	2.18	1.91	1.72
7J7	5.15	2.88	2.52	2.27
7K7	4.45	2.49	2.18	1.96
7L7*	4.25	2.37	2.08	1.87
7N7	3.60	2.01	1.76	1.58
7Q7	4.10	2.29	2.01	1.81
7R7	5.15	2.88	2.52	2.27
7V7	4.90	2.74	2.40	2.16
7W7	4.75	2.65	2.33	2.10
7X7	5.85	3.27	2.87	2.58
7Y4	2.95	1.65	1.44	1.30
7Z4	2.75	1.54	1.35	1.21
8AU8	3.55	1.98	1.74	1.57
8AW8A	3.70	2.07	1.81	1.63
8BA8A*	3.65	2.04	1.79	1.61
8BH8	3.55	1.98	1.74	1.57
8BN8	2.95	1.65	1.44	1.30
8BQ5	2.40	1.34	1.18	1.06
8CG7	2.50	1.40	1.23	1.11
8CM7	2.85	1.59	1.40	1.26
8CN7	2.60	1.45	1.27	1.14
8CS7*	2.95	1.65	1.44	1.30
8CX8	3.70	2.07	1.81	1.63
8EB8	3.75	2.10	1.84	1.66
8EM5	3.10	1.73	1.52	1.37
9AU7	2.80	1.56	1.37	1.23
9BR7	2.75	1.54	1.35	1.21
9CL8	3.15	1.76	1.54	1.39
9U8A	3.30	1.84	1.62	1.46
10C8	4.25	2.37	2.08	1.87
10DE7	2.95	1.65	1.44	1.30
11CY7	3.00	1.68	1.47	1.32
12A8GT	5.30	2.96	2.60	2.34
12AB5	2.45	1.37	1.20	1.08
12AC6	2.20	1.23	1.08	.97
12AD6	2.40	1.34	1.18	1.06
12AE6A	2.05	1.15	1.00	.90
12AE7*	3.35	1.87	1.64	1.48
12AF3	2.90	1.62	1.43	1.29
12AF6	2.35	1.31	1.15	1.03
12AH7GT	4.20	2.35	2.06	1.85
12AJ6	2.05	1.15	1.00	.90
12AL5	1.90	1.06	.93	.84
12AL8	4.25	2.37	2.08	1.87
12AQ5	2.60	1.45	1.27	1.14
12AT6	1.85	1.03	.91	.82
12AT7	3.05	1.70	1.49	1.34
12AU6	2.15	1.20	1.05	.94
12AU7A	2.45	1.37	1.20	1.08
12AV5GA	3.85	2.15	1.89	1.70
12AV6	1.65	.92	.81	.73
12AV7	3.40	1.90	1.66	1.49
12AW6	3.30	1.84	1.62	1.46
12AX4GTA	2.70	1.51	1.32	1.19
12AX7	2.55	1.43	1.25	1.12
12AX7A*	2.55	1.43	1.25	1.12
12AY7	5.00	2.79	2.45	2.20
12AZ7	2.75	1.54	1.35	1.21
12AZ7A*	2.75	1.54	1.35	1.21
12B4A	2.70	1.51	1.32	1.19
12BA6	2.00	1.12	.98	.88
12BA7	3.95	2.21	1.94	1.75
12BD6	2.25	1.26	1.10	.99
12BE6	2.15	1.20	1.05	.94
12BF6	2.10	1.17	1.03	.93
12BH7A	3.05	1.70	1.49	1.34
12BK5	3.80	2.12	1.86	1.67
12BL6	2.30	1.29	1.13	1.02
12BQ6GTB, 12CU6	4.45	2.49	2.18	1.96
12BR7	2.75	1.54	1.35	1.21
12BV7	3.05	1.70	1.49	1.34
12BY7A	3.05	1.70	1.49	1.34
12BZ7	3.05	1.70	1.49	1.34
12C8	6.80	3.79	3.33	3.00
12CA5	2.50	1.40	1.23	1.11

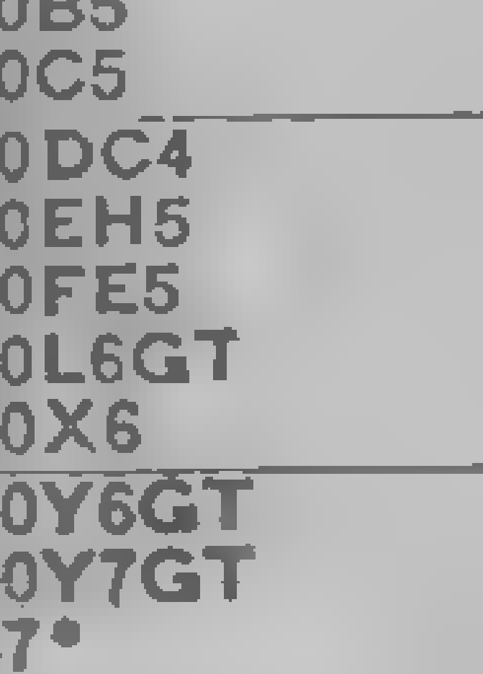
RECEIVING TUBES CONTINUED ON NEXT PAGE

As New Receiving Tubes are Released by Manufacturers, Allied will Stock Them

RCA Receiving Tubes

QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Tube Type	List Price	NET EACH, In Quantities of: 1 to 5	6 to 49	50 or More
12CN5	$2.45	1.37	1.20	1.08
12CR6	2.40	1.34	1.18	1.06
12CT8	4.05	2.26	1.98	1.78
12CU5/12C5	2.35	1.31	1.15	1.03
12CU6/12BQ6GA*	4.45	2.49	2.18	1.96
12CX6	2.50	1.40	1.23	1.11
12D4	2.75	1.54	1.35	1.21
12DB5	2.75	1.54	1.35	1.21
12DE8*	2.90	1.62	1.43	1.29
12DF7*	2.60	1.45	1.27	1.14
12DK7*	2.95	1.65	1.44	1.30
12DL8	4.05	2.26	1.98	1.78
12DQ6A	4.20	2.35	2.06	1.85
12DQ7	3.30	1.84	1.62	1.46
12DS7	3.40	1.90	1.66	1.49
12DT5	3.05	1.70	1.49	1.34
12DT7*	2.90	1.62	1.43	1.29
12DT8	3.75	2.10	1.84	1.66
12DU7*	3.15	1.76	1.54	1.39
12DV8	3.55	1.98	1.74	1.57
12DW8*	3.55	1.98	1.74	1.57
12DZ6	2.55	1.43	1.25	1.12
12EA6	2.65	1.48	1.30	1.17
12ED5	2.50	1.40	1.23	1.11
12EG6	2.30	1.29	1.13	1.02
12EH5	2.35	1.31	1.15	1.03
12EK6	2.55	1.43	1.25	1.12
12EL6	2.00	1.12	.98	.88
12EM6	3.10	1.73	1.52	1.37
12EN6	3.05	1.70	1.49	1.34
12F8	2.85	1.59	1.40	1.26
12FK6	2.10	1.17	1.03	.93
12FM6	2.00	1.12	.98	.88
12GC6*	4.15	2.32	2.03	1.83
12H6	3.30	1.84	1.62	1.46
12J5GT	2.95	1.65	1.44	1.30
12J7GT	4.60	2.57	2.25	2.03
12J8	3.30	1.84	1.62	1.46
12K5	2.95	1.65	1.44	1.30
12K7GT	4.05	2.26	1.98	1.78
12K8	5.70	3.18	2.79	2.51
12L6GT	2.50	1.40	1.23	1.11
12Q7GT	3.65	2.04	1.79	1.61
12R5	2.60	1.45	1.27	1.14
12S8GT*	2.90	1.62	1.43	1.29
12SA7	3.95	2.21	1.94	1.75
12SA7GT	3.25	1.82	1.59	1.43
12SC7	3.80	2.12	1.86	1.67
12SF5	3.20	1.79	1.57	1.41
12SF7	4.75	2.65	2.33	2.10
12SG7	4.20	2.35	2.06	1.85
12SH7	4.00	2.23	1.96	1.76
12SJ7	3.75	2.10	1.84	1.66
12SJ7GT*	3.20	1.79	1.57	1.41
12SK7	3.60	2.01	1.76	1.58
12SK7GT	3.05	1.70	1.49	1.34
12SL7GT	3.75	2.10	1.84	1.66
12SN7GT	2.70	1.51	1.32	1.19
12SN7GTA*	2.70	1.51	1.32	1.19
12SQ7	3.30	1.84	1.62	1.46
12SQ7GT	2.70	1.51	1.32	1.19
12SR7	3.30	1.84	1.62	1.46
12U7	2.65	1.48	1.30	1.17
12V6GT	2.15	1.20	1.05	.94
12W6GT	3.00	1.68	1.47	1.32
12X4	1.90	1.06	.93	.84
12Z3*	3.50	1.96	1.72	1.55
13DE7	2.95	1.65	1.44	1.30
13DR7*	2.95	1.65	1.44	1.30
14A7	3.65	2.04	1.79	1.61
14AF7	3.80	2.12	1.86	1.67
14B6	3.30	1.84	1.62	1.46
14C7	3.35	1.87	1.64	1.48
14F7	4.05	2.26	1.98	1.78
14F8	4.60	2.57	2.25	2.03
14Q7	4.10	2.29	2.01	1.81
14R7	5.35	2.99	2.62	2.36
17AX4GT	2.70	1.51	1.32	1.19
17BQ6GTB	5.00	2.79	2.45	2.20
17C5*	2.35	1.31	1.15	1.03
17D4	2.75	1.54	1.35	1.21
17DE4	2.85	1.59	1.40	1.26
17DQ6A	4.25	2.37	2.08	1.87
17H3	2.15	1.20	1.05	.94
17R5*	2.60	1.45	1.27	1.14
18A5	4.15	2.32	2.03	1.83
18FW6	2.00	1.12	.98	.88
18FX6	2.15	1.20	1.05	.94
18FY6	1.65	.92	.81	.73
19*	3.70	2.07	1.81	1.63
19AU4	$3.50	1.96	1.72	1.55
19AU4GTA*	3.45	1.93	1.69	1.52
19BG6GA	6.50	3.63	3.19	2.87
19C8*	4.45	2.49	2.18	1.96
19J6	3.45	1.93	1.69	1.52
19T8	3.35	1.87	1.64	1.48
19X8	3.70	2.07	1.81	1.63
21EX6*	5.70	3.18	2.79	2.51
22DE4	2.85	1.59	1.40	1.26
24A	4.55	2.54	2.23	2.04
25AV5GA	4.25	2.37	2.08	1.87
25AX4GT	2.90	1.62	1.43	1.29
25BK5	3.65	2.04	1.79	1.61
25BQ6GTB/25CU6	4.60	2.57	2.25	2.03
25C5	2.15	1.20	1.05	.94
25CA5	2.50	1.40	1.23	1.11
25CD6GB	5.85	3.27	2.87	2.58
25DN6	5.55	3.10	2.72	2.45
25EC6*	5.70	3.18	2.79	2.51
25EH5	2.30	1.29	1.13	1.02
25F5*	2.35	1.31	1.15	1.03
25L6	6.40	3.58	3.14	2.83
25L6GT	2.25	1.26	1.10	.99
25W4GT	2.70	1.51	1.32	1.19
25W6GT*	3 10	1.73	1.52	1.37
25Z5	3.15	1.76	1.54	1.39
25Z6GT	2.90	1.62	1.43	1.29
26*	4.35	2.43	2.13	1.92
27	4.35	2.43	2.13	1.92
32ET5	2.20	1.23	1.08	.97
35/51*	4.35	2.43	2.13	1.92
35A5	3.50	1.96	1.72	1.55
35B5	2.65	1.48	1.30	1.17
35C5	2.15	1.20	1.05	.94
35EH5	2.30	1.29	1.13	1.02
35L6GT	2.40	1.34	1.18	1.06
35W4	1.40	.78	.69	.62
35Y4	2.75	1.54	1.35	1.21
35Z3	2.75	1.54	1.35	1.21
35Z4GT	2.35	1.31	1.15	1.03
35Z5GT	1.85	1.03	.91	.82
36*	4.35	2.43	2.13	1.92
36AM3	1.50	.84	.73	.66
41	3.85	2.15	1.89	1.70
42	3.85	2.15	1.89	1.70
43	4.70	2.63	2.30	2.07
47	9.15	5.11	4.48	4.03
50A5	4.15	2.32	2.03	1.83
50B5	2.65	1.48	1.30	1.17
50C5	2.15	1.20	1.05	.94
50DC4	1.55	.87	.76	.68
50EH5	2.30	1.29	1.13	1.02
50FE5	3.65	2.04	1.79	1.61
50L6GT	2.40	1.34	1.18	1.06
50X6	3.20	1.79	1.57	1.41
50Y6GT	2.95	1.65	1.44	1.30
50Y7GT	3.05	1.70	1.49	1.34
57*	4.35	2.43	2.13	1.92
58*	4.35	2.43	2.13	1.92
70L7GT	10.15	5.66	4.98	4.48
71A*	5.10	2.85	2.50	2.25
75	5.10	2.85	2.50	2.25
78	5.10	2.85	2.50	2.25
80	2.90	1.62	1.43	1.29
84/6Z4	2.95	1.65	1.44	1.30
85*	4.35	2.43	2.13	1.92
117L7/117M7GT	10.15	5.66	4.98	4.48
117N7GT	10.25	5.72	5.02	4.51
117P7GT	10.25	5.72	5.02	4.51
117Z3	2.50	1.40	1.23	1.11
117Z6GT	4.35	2.43	2.13	1.92
5642*	5.00	2.79	2.45	2.20
5879	4.05	2.26	1.98	1.78
5881	6.25	3.49	3.06	2.75
6973	4.50	2.51	2.21	1.99
7025	2.95	1.65	1.44	1.30
7027A	5.25	2.93	2.57	2.31
7189	4.35	2.43	2.13	1.92
7199	3.30	1.84	1.62	1.46
7408*	2.20	1.23	1.08	.97
7543	2.20	1.23	1.08	.97



RCA RECEIVING TUBE MANUAL

RC-20. Latest edition. One of the most helpful bo published for radio-TV servicemen Lists characteri and typical operating conditions of all current RCA ceiving-type tubes. Covers applications and installat of tubes. Includes schematic diagrams and explanati of commonly encountered circuits. **No charge with receiving tubes or one TV picture tube.**

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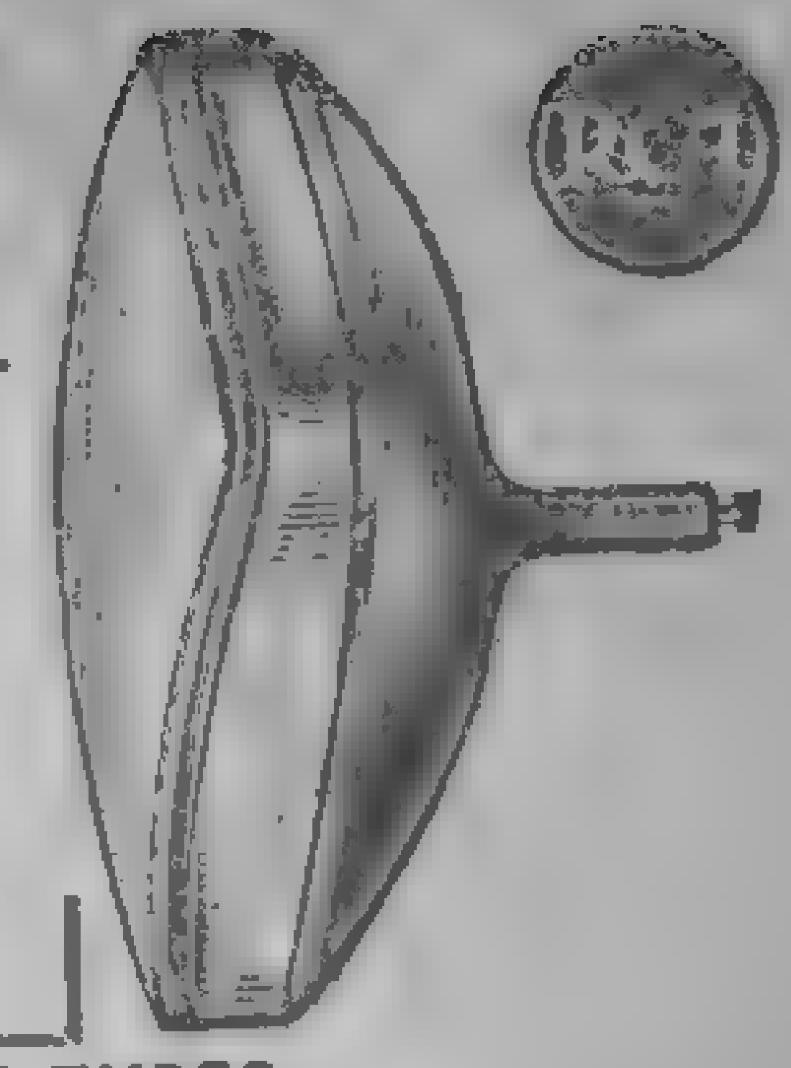
RCA Picture Tubes — ON EASY TERMS



RE'S AN RCA PICTURE TUBE FOR ANY BUDGET

One Full Year Guarantee

A offers two separate lines of TV picture tubes. Choose your replacement from RCA's us "Silverama" line, or the budget-priced, thoroughly dependable "Red Label" line. ch types are guaranteed for one year. *Aluminized screens.

When ordering, give Dept. and Tube Type No.

EASY PAYMENTS

Picture tubes may now be purchased on Allied's Easy Pay Plan—the most liberal plan in the entire field of electronics. See back section of catalog for complete details.

"SILVERAMA" ALL-NEW PREMIUM TUBES

Stock No. Tube Type	Wt., Lbs.	List	NET EACH
8DP4	4	$37.40	25.67
10BP4A	13	31.70	21.76
10FP4A*	13	39.80	27.31
12KP4A*	17	40.30	27.64
12LP4A	17	35 50	24.37
14ATP4*	12	44.60	30.58
14EP4/14CP4/14BP4	14	37.00	25.35
14HP4	14	39.10	26.78
14QP4A*	10	44.60	30.58
14RP4	12	43.30	29.72
14RP4A*	12	47 20	32.34
14WP4/14ZP4*	12	44.60	30.58
16AP4A	17	58.40	40.05
16DP4A	23	52 20	35.80
16GP4B	16	57 60	39.52
16LP4A/16ZP4	25	52.20	35.80
16RP4/16KP4	21	42.50	29.14
16RP4A/16KP4A*	21	46.50	31.88
16TP4	21	42 50	29.14
16WP4A	21	52.20	35.80
17AVP4/17ATP4	17	46.40	31.82
17AVP4A/17ATP4A*	17	50.70	34.76
17BJP4*	17	50.70	34.76
17BP4A/17JP4	21	43.30	30.18
17BP4B*	21	47.30	32.41
17BVP4*	14	55.50	38.09
17BZP4/CAP4/CKP4/BRP4*	14	55.50	38.09
17CDP4*	14	55.50	38.09
17CFP4*	17	50.70	34.76
17CP4	16	57.20	39.27
17CYP4*	17	50.70	34.79
17DAP4*	13	65.50	44.95
17DKP4*	14	59.30	40.70
17DSP4*	13	59.30	40.70
17DXP4*	14	59.30	40.60
17GP4	16	59.70	40.96
17HP4/17RP4	23	45.20	30.97
17HP4B/17RP4C*	23	49.40	33.91
17LP4/17VP4	23	45.90	31.49
17LP4A/17VP4B*	23	50.30	34.50
17QP4/17UP4/17YP4	23	42.80	29.33
17QP4A*	23	47.30	34.41
17TP4	16	61.50	42.21
19AFP4*	24	60.00	41.36
19AP4B	24	62.70	42.99
19XP4*	24	55.70	38.22
20DP4A/20CP4A	29	50.70	34.79
20DP4C/20CP4D*	29	54.80	37.56
20HP4A/20LP4/20MP4	29	52.20	35.80
20HP4D*	29	56.90	39.00
21ACP4A/21BSP4/21AMP4A*	33	56 40	38.68
21ALP4B/21ALP4A*	33	59.40	40.64
21AP4	25	70.70	48.48
21ATP4A/21ATP4*	33	59.20	40.64
21AVP4/21AUP4	33	56.00	38.42
21AVP4B/AUP4B/AVP4A/ AUP4A*	33	60.70	41.62
21AWP4*	33	56.50	38.74
21AXP22A* (Color)	38	160.00	137.20
21BTP4*	31	58.90	40.38
21CBP4A/21CBP4/21CMP4*	33	59.90	41.09
21CEP4/21CEP4A*	28	63.40	43.51
21CQP4*	20	63.60	43.64
21CXP4*	30	58 30	39.98
21CYP22A* (Color)	45	160.00	137.20
21DAP4*	26	63.40	43.51
21DEP4A/21DEP4/21CZP4*	26	63.40	43.51
21DFP4*	33	63.40	43.51
21DLP4/21DQP4*	30	58.30	39.98
21DSP4*	34	58.30	39.98
21EAP4*	25	77.20	52.99
21EMP4*	23	64.90	44.49
21EP4A	36	53.20	36.52
21EP4B*	34	57.40	39.40
21EQP4*	29	64.90	44.49
21FP4A	36	54.60	37.44
21FP4C*	34	59.30	40.70
21MP4	25	73.40	50.37
21WP4	31	53.10	3[illegible].39
21WP4A*	31	57.20	3[illegible].27
21XP4A*	33	59.50	40.84
21YP4	33	54 20	37.17
21YP4A*	33	58 10	39.86
21ZP4A	33	51.90	35.60
21ZP4B*	33	55.90	38.35
23CP4*	41	85.00	58.34
23EP4*	41	85.00	58.34
23MP4*	41	73.30	55.20
24ADP4/VP4A/CP4A/24TP4*	43	83.10	57.04
24AEP4*	43	84.60	58.02
24AHP4*	37	90.70	62.26
24ATP4*	39	84.60	58.02
24AUP4*	39	84.60	58.02
24BAP4*	34	90.70	62.26
24DP4A/24YP4*	43	86.00	59.00
27EP4*	62	124.80	91.66
27RP4*	62	124.80	91.66

"RED LABEL" ECONOMY TUBES

Stock No. Dept.	Stock No. Tube Type	Wt., Lbs.	List	NET EACH
AU7	10BP4A	13	$22.00	14.06
AU7	10FP4A*	13	28.60	18.64
AU7	12KP4A*	17	30.30	19.27
AU7	12LP4A	17	26.30	16.52
AU7	14ATP4*	11	33.00	21.10
AU7	14EP4/14CP4/14BP4	14	28.20	16.34
AU7	14HP4	14	29.60	17.32
AU7	14QP4A*	10	33.40	19.92
AU7	14RP4	12	32.90	21.10
AU7	14RP4A*	12	34.80	23.06
AU7	14WP4/14ZP4	11	35.80	23.06
AU7	16AP4A	17	40.10	26.48
AU7	16DP4A	23	32.50	21.26
AU7	16GP4B	16	39.50	27.12
AU7	16LP4A/16ZP4	15	33.40	21.90
AU7	16RP4/16KP4	21	28.60	18.64
AU7	16RP4A/16KP4A*	21	32.00	20.92
AU7	16TP4	21	28.60	18.64
AU7	16WP4A	21	34.80	22.88
AU7	17AVP4/17ATP4	17	37 80	22.44
AU7	17AVP4A/17ATP4A*	17	42.10	25.38
AU7	17BJP4*	17	42.10	25.38
AU7	17BP4A/17JP4	21	33.50	21.72
AU7	17BP4B*	21	38.30	23.26
AU7	17BZP4/17CAP4/CKP4/BRP4*	10	46 80	28.66
AU7	17CFP4*	10	42.10	25.38
AU7	17CP4	17	50.20	30.94
AU7	17DAP4*	13	56.60	35.32
AU7	17DKP4*	10	48.30	29.64
AU7	17GP4	16	52.10	32.24
AU7	17HP4/17RP4	23	35.90	21.62
AU7	17HP4B/17RP4C*	23	40.20	24.56
AU7	17LP4/17VP4	23	34.95	21.72
AU7	17LP4A/17VP4B*	23	38.45	24.13
AU7	17QP4/17UP4/17YP4	23	33.25	20.55
AU7	17QP4A*	23	37.55	23.49
AU7	17TP4	16	52.10	32.24
AU7	19AP4B	24	51.60	31.92
AU7	20DP4A/20CP4A	29	39.20	24.38
AU7	20DP4C/20CP4D*	29	46.30	29.28
AU7	20HP4A/20LP4/20MP4	29	51.10	25.70
AU7	20HP4D*	29	53.50	27.32
AU7	21ACP4A/21BSP4/21AMP4A*	33	48.80	28.52
AU7	21ALP4B/21ALP4A*	33	50.50	29.70
AU7	21AP4	25	62 10	38.02
AU7	21ATP4A/21ATP4*	33	50.50	29.70
AU7	21AVP4/21AUP4	33	47.90	27.86
AU7	21AVP4B/21AUP4B/ 21AVP4A/21AUP4A*	33	50.50	29.70
AU7	21AWP4*	33	48.80	28.52
AU7	21AXP22A/21AXP22* (Color)	38	147.00	98.40
AU7	21BTP4*	31	50.70	29 82
AU7	21CBP4A/21CBP4/21CMP4*	33	50.70	29.82
AU7	21CEP4/21CEP4A*	28	55.00	32.56
AU7	21CXP4*	27	50.40	29.63
AU7	21CYP22* (Color)	45	147.00	98.40
AU7	21DAP4*	25	55.00	32.79
AU7	21DEP4A/21DEP4/21CZP4*	25	55.00	32.79
AU7	21DLP4/21DQP4*	24	50.30	29.50
AU7	21EAP4*	25	67.90	41.58
AU7	21EP4A	36	41.10	25.70
AU7	21EP4B*	34	45.40	28.64
AU7	21FP4A	36	38.20	23.74
AU7	21FP4C*	34	41.60	27.20
AU7	21MP4	25	66.20	39.45
AU7	21WP4	31	42.40	24.08
AU7	21WP4A*	31	49.40	29.40
AU7	21XP4A*	33	50.50	29.70
AU7	21YP4	33	44.00	25.19
AU7	21YP4A*	33	49.80	29.18
AU7	21ZP4A	33	42.40	24.08
AU7	21ZP4B*	33	48 80	28.52
AU7	24ADP4/VP4A/CP4A/TP4*	43	69.55	41.53
AU7	24AEP4*	39	71.95	43.17
AU7	24AHP4*	34	76.75	46.43
AU7	24DP4A/24YP4*	43	71.75	43.03
AU7	27MP4*	42	160.50	111.50

DUMONT 8" TV RECEIVER CHECK TUBE

Fits Most Sets

An extremely versatile 8" rectangular universal picture tube—a great aid in television servicing. Permits testing television set without using the original picture tube. Provides a positive on-the-spot substitution test for picture tubes and eliminates the necessity for taking the original picture tube back to shop for servicing. Completely self-focusing. Can be used in virtually all electromagnetically deflected sets regardless of deflection angle. For 53°, 66°, 70°, or 90° yoke. No ion trap required. Ideal for either electrostatic or magnetic-focus sets. Shpg. wt., 6 lbs.

AU6 8XP4. NET.................................... 21.56

Model 8YP4/JP4. Receiver Check Tube. Same as above, but also for 110° magnetic deflection. Shpg. wt., 6 lbs.

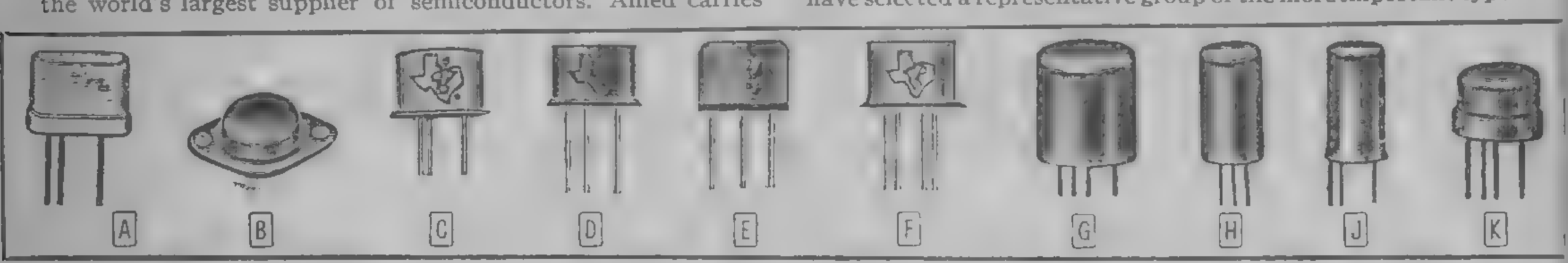
AU6 8YP4/JP4.NET....................................28.91

Germanium and Silicon Transistors

ALLIED—WORLD'S LEADING SUPPLIER OF SEMICONDUCTORS

- You Pay Only the Lowest Price in Effect at Time of Shipment
- We Ship Same Day Your Order is Received
- New Types are Added to Our Stocks as Soon as They are Released by Manufacturers
- Allied Stocks Over 3000 Semiconductor Types

Offered below is a selection of inexpensive germanium and silicon transistors—all available for immediate delivery from Allied, the world's largest supplier of semiconductors. Allied carries the complete lines of all manufacturers shown on these pages. Space limitation does not allow for complete listings, but we have selected a representative group of the more important types.



EXPLANATION OF COLUMN HEADINGS AND SYMBOLS

Pt indicates collector dissipation @ 25° C. in ma, except *watts; BV, max. collector voltage, except †BV_{CBO} min. collector to base voltage; I_c, collector current in ma, except‡ amperes; h_{FE} large signal DC beta, h_{fe}, small signal AC beta; F_α, alpha cutoff frequency, except §internal cutoff frequency. All are PNP, except •NPN. Av. shpg. wt., 2 oz. *Specify mfr's name and Type No. when ordering.*

TEXAS INSTRUMENT GERMANIUM TRANSISTORS

Mfr's Type	Fig.	Structure	Function	Pt Mw	BV max	Ic max	hFE(#hfe) min	hFE(#hfe) max	Fa mc	NET EACH
2N185	A	Alloy	Audio	150	-20	-150	50	70(avg)	......	1.01
2N238	A	Alloy	Audio	150	-20	-150	30	50(avg)	....	.94
2N248	A	GJ	High Freq.	30	-25	-5	......	50	......	4.90
2N250	B	Alloy	Power	25*	-30†	-7‡	30 @ 0.5A		......	2.95
2N251	B	Alloy	Power	25*	-60†	-7‡	30 @ 0.5A			4.00
2N252	A	GJ	Converter	30	-12	-5	...		...	2.60
2N253	A	GJ•	IF	65	12	5	...		...	2.25
2N254	A	GJ•	IF	65	20	5	....		...	2.60
2N291	A	AJ	Audio	300	-25	200	.....		8 kc	1.73
2N308	A	GJ	IF	30	-20	-5				2.60
2N309	A	GJ	IF	30	-20	-5				2.60
2N368	A	Alloy	Gen. Pur.	150	-30	-50	19 @ 1ma	49	1	1.70
2N369	A	Alloy	Gen. Pur.	150	-30	-50	49 @ 1ma	142	1.3	1.90
2N456A	B	Alloy	Power	50*	-40†	-7‡	30 @ 5A	90	430kc§	3.50
2N457A	B	Alloy	Power	50*	-60†	-7‡	30 @ 5A	90	430kc§	5.60
2N458A	B	Alloy	Power	50*	-80†	-7‡	30 @ 5A	90	430kc§	7.10
2N511	B	Alloy	Power	80*	-40†	-25‡	20 @ 10A	60	260kc§	4.80
2N511A	B	Alloy	Power	80*	-60†	-25‡	20 @ 10A	60	260kc§	5.60
2N511B	B	Alloy	Power	80*	-80†	-25‡	20 @ 10A	60	260kc§	11.20
2N512	B	Alloy	Power	80*	-40†	-25‡	20 @ 15A	60	280kc§	6.40
2N512A	B	Alloy	Power	80*	-60†	-25‡	20 @ 15A	60	280kc§	8.80
2N512B	B	Alloy	Power	80*	-80†	-25‡	20 @ 15A	60	280kc§	16.00
2N513	B	Alloy	Power	80*	-40†	-25‡	20 @ 20A	60	300kc§	13.60
2N680	A	AJ	Audio	150	-20	-150	....		.	1.06
2N1038	C	Alloy	Power	20*	-40†	-3‡	20 @ 1A	60	8kc§	4.40
2N1039	C	Alloy	Power	20*	-60†	-3‡	20 @ 1A	60	8kc§	8.80
2N1040	C	Alloy	Power	20*	60†	3‡	20 @ 1A	60	8kc§	12.00
2N1107	A	Diffuse	RF, IF	30	16	-5	#34db @ 455 kc		40	2.61
2N1108	A	Diffuse	RF, IF	30	-16	-5	#33db @ 455 kc		35	2.08
2N1109	A	Diffuse	RF, IF	30	16	-5	#20db @ 455 kc		30	1.82
2N1110	A	Diffuse	RF, IF	30	-16	-5	#29db @ 455 kc		35	2.08
2N1111	A	Diffuse	RF, IF	30	-20	-5	#25db @ 455 kc		35	2.08
2N1111A	A	Diffuse	RF, IF	30	-20	-5	#25db @ 455 kc		35	2.08
2N1111B	A	Diffuse	RF, IF	30	-27	5	#25db @ 455 kc		35	2.08
2N1143	C	Mesa	VHF	750	25	100	#8 db @ 100 mc		480	12.00
2N1273	E	Alloy	Audio	150	-15	-150	30	150	2	.86
2N1274	E	Alloy	Audio	150	-25	-150	30	150	2	.91
2N1302	D	Alloy	Computer•	150	25	300	20	50 typ	4.5	1.60
2N1303	D	Alloy	Computer	150	30	300	20	50 typ	4.5	1.60
2N1304	D	Alloy	Computer•	150	25	300	40	70 typ	8	2.00
2N1305	D	Alloy	Computer	150	-30	-300	40	70 typ	8	2.00
2N1306	D	Alloy	Computer•	150	25	300	60	100 typ	12	3.20
2N1307	D	Alloy	Computer	150	-30	-300	60	100 typ	12	3.20
2N1308	D	Alloy	Computer•	150	25	300	80	150 typ	20	4.80
2N1309	D	Alloy	Computer	150	-30	-300	80	150 typ	20	4.80
2N1370	E	Alloy	Audio	150	-25	-150	50	150	2	.94
2N1371	E	Alloy	Audio	150	-45	-150	50	150	2	1.50
2N1372	E	Alloy	Gen. Pur.	250	-25	-200	30	95	1.5	1.04
2N1373	E	Alloy	Gen. Pur.	250	-45	-200	30	95	1.5	1.76
2N1374	E	Alloy	Gen. Pur.	250	-25	-200	50	150	2	1.33
2N1375	E	Alloy	Gen. Pur.	250	-45	-200	50	150	2	2.02
2N1376	E	Alloy	Gen. Pur.	250	-25	-200	75	150	2	1.68
2N1377	E	Alloy	Gen. Pur.	250	-45	-200	75	150	2	2.21
2N1378	E	Alloy	Gen. Pur.	250	-12	-200	95	300	3	1.68
2N1379	E	Alloy	Gen. Pur.	250	-25	-200	95	300	3	1.86
2N1380	E	Alloy	Gen. Pur.	250	-12	-200	30	300	2	.88
2N1381	E	Alloy	Gen. Pur.	250	-25	-200	30	300	2	.93
2N1382	E	Alloy	Power	200	-25	-200	50	150	2	1.17
2N1383	E	Alloy	Power	200	-25	-200	30	150	1.5	1.09
2N1398	F	Mesa	Mixer	35	30	5	1.4	3.3	.	11.20
2N1399	F	Mesa	Mixer	35	30	5	1.4	3.3	.	8.80
2N1400	F	Mesa	TM-IF, Osc.	35	30	5	1.0	2.2	......	5.10
2N1401	F	Mesa	TV-IF, Osc.	35	30	5	1.2	2.9	....	5.10
2N1401A	F	Mesa	TV-IF, Osc.	35	30	5	1.2	2.9	.....	7.00
2N1402	F	Mesa	TV-IF, Osc.	35	30	5	1.0	3.3		4.70

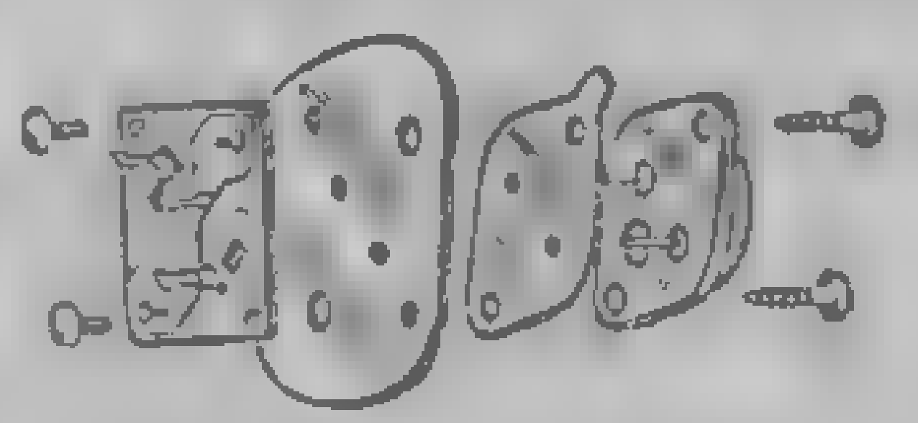
TEXAS INSTRUMENT SILICON TRANSISTORS

2N1586	A	GJ	Small Sig. Amp.	150	15†	25	9	27#	4	6.60
2N1587	A	GJ	Small Sig. Amp	150	30†	25	9	27#	4	7.60
2N1588	A	GJ	Small Sig. Amp.	150	60†	25	9	27#	4	8.55
2N1589	A	GJ	Small Sig. Amp.	150	15†	25	25	75#	6	7.40
2N1590	A	GJ	Small Sig. Amp.	150	30†	25	25	75#	6	8.60
2N1591	A	GJ	Small Sig. Amp.	150	60†	25	25	75#	6	9.75
2N1592	A	GJ	Small Sig. Amp.	150	15†	25	70	210#	7	8.25
2N1593	A	GJ	Small Sig. Amp.	150	30†	25	70	210#	7	9.65
2N1594	A	GJ	Small Sig Amp	150	60†	25	70	210#	7	10.95

RCA GERMANIUM TRANSISTORS

Mfr's Type	Fig	Function	Pt Mw	BV max	Ic max	Fa mc	Description	NET EACH
2N109	J	Audio	150	-25	-70	0.7	AJ	1.24
2N139	J	IF Amp.	80	-16	-15	6.8	AJ	1.4
2N140	J	Converter	80	-16	-15	10	AJ	1.53
2N175	J	Audio	50	-10	-2	0.9	AJ	1.63
2N176	B	AF Amp.	10*	-40	-3‡	0.9	AJ	3.0
2N217	H	Same as 2N109 but has flexible leads.						1.16
2N218	H	Same as 2N139 but has flexible leads.						1.4
2N219	H	Same as 2N140 but has flexible leads.						1.4
2N220	H	Same as 2N175 but has flexible leads.						1.5
2N270	H	Audio	250	25	-150	0.8	AJ	1.3
2N301	B	AF Amp.	11*	-40	-3‡	0.9	AJ	3.0
2N301A	B	AF Amp	11*	-60	-3‡	0.9	AJ	4.9
2N307	B	AF Amp.	10*	-35	-200	0.8	AJ	1.4
2N351	B	AF Amp	10*	-40	-3‡	0.9	AJ	3.3
2N370	G	RF Amplifier	80	-24	-10	30	Drift	2.7
2N371	G	RF Oscillator	80	-24	-10	30	Drift	2.8
2N372	G	RF Mixer	80	-24	-10	30	Drift	2.64
2N373	G	IF Amplifier	80	-25	-10	30	Drift	1.49
2N374	G	Converter	80	-25	-10	30	Drift	1.5
2N376	B	AF Amp	10*	-40	-3‡	0.9	AJ	3.4
2N405	J	AF Driver	150	-20	35	0.8	AJ	.8
2N406	H	Same as 2N405 but has flexible leads						.8
2N407	J	AF Amplifier	150	-20	-70	0.8	AJ	.92
2N408	H	Same as 2N407 but has flexible leads.						.9
2N409	J	IF Amplifier	80	-13	-15	6.8	AJ	1.2
2N410	H	Same as 2N409 but has flexible leads.						1.2
2N411	J	Converter	80	-13	-15	10	AJ	1.2
2N412	H	Same as 2N411 but has flexible leads						1.2
2N591	H	AF Driver	50	-32	-40	0.7	AJ	1.1
2N641	G	IF Amplifier	80	-34	-10	42	Drift	1.6
2N642	G	Converter	80	-34	10	42	Drift	1.7
2N647	H	AF Amplifier	100	25	100	0.2	AJ•	1.8
2N649	H	AF Amplifier	100	20	100	0.2	AJ•	1.4
2N1010	H	Low-Noise AF	20	10	2	0.2	AJ•	2.8
2N1177	G	FM RF	80	-30	-10	140	Drift	3.6
2N1178	G	FM RF	80	-30	-10	140	Drift	3.3
2N1179	G	FM RF Mixer	80	-30	-10	140	Drift	2.9
2N1180	G	FM IF	80	-30	-10	140	Drift	2.4
2N1224	K	VHF Amplifier	120	-40	-10	30	AJ	2.4
2N1225	K	RF Amplifier	120	-40	-10	100	AJ	3.3
2N1226	K	RF Amplifier	120	-60	-10	30	AJ	3.3
2N1300	K	Switching	150	-13	-100	40	Mesa	2.6
2N1301	K	Switching	150	-13	-100	60	Mesa	5.7
2N1425	G	IF Amplifier	80	-24	-10	..	Drift	1.2
2N1426	G	Converter	80	-24	-10		Drift	1.3
2N1524	J	Auto Radio	80	-24	-10	33	AJ	1.2
2N1525	H	Auto Radio	80	-24	-10	33	AJ	1.2
2N1526	J	Auto Radio	80	-24	-10	33	AJ	1.3
2N1527	H	Auto Radio	80	-24	-10	33	AJ	1.3
2N1631	J	RF Amplifier	80	-34	-10	45	AJ	1.6
2N1632	H	RF Amplifier	80	-34	-10	45	AJ	1.6
2N1633	J	IF Amplifier	80	-34	-10	40	AJ	1.4
2N1634	H	IF Amplifier	80	-34	-10	40	AJ	1.4
2N1635	J	Converter	80	-34	-10	45	AJ	1.5
2N1636	H	Converter	80	-34	-10	45	AJ	1.5
2N1637	H	Auto Radio	80	-34	-10	45	AJ	1.8
2N1638	H	Auto Radio	80	-34	-10	40	AJ	1.6
2N1639	H	Auto Radio	80	-34	-10	45	AJ	1.7

MOTOROLA TRANSISTOR MOUNTING KITS



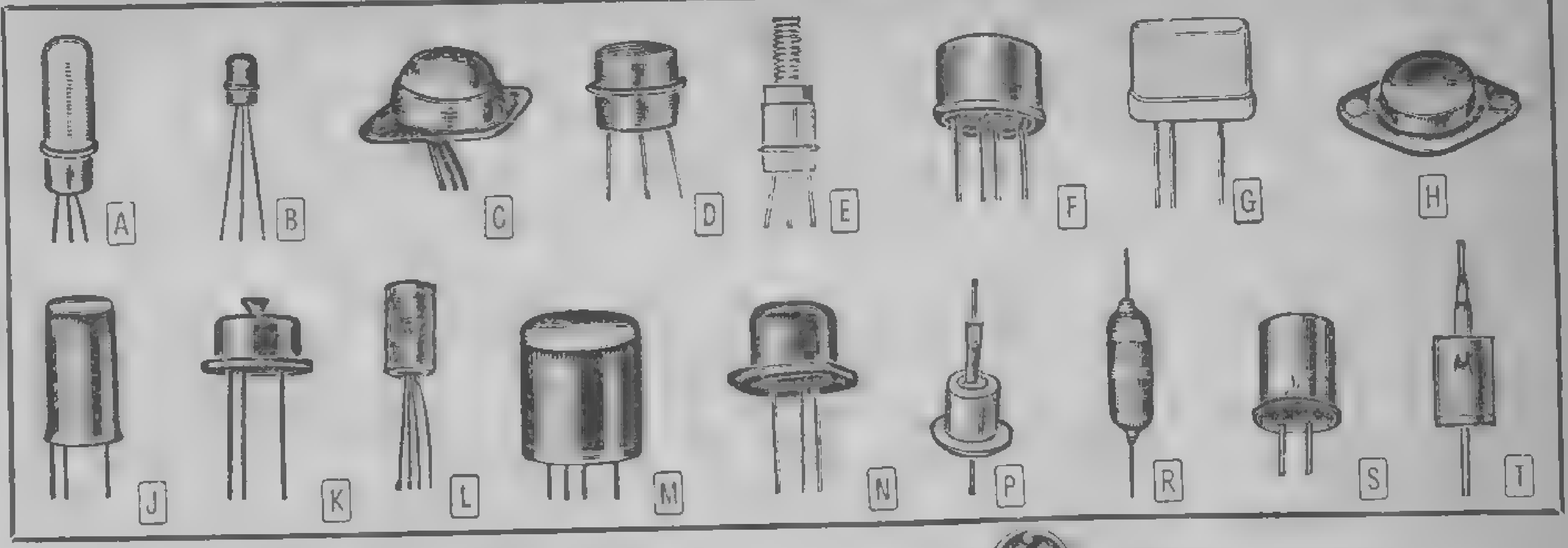
Provide all necessary hardware for
rectly mounting on chassis all T
industry standard power transist
types and 50-watt zener diodes. Per
mounting for polarity reversal. U
can be mounted electrically insul
from chassis while still maintai
heat transfer characteristics. Wt.,

Stock No.	Mfr's Type	Insulating Washer	NET EACH 1-24	NET EACH 25-
5 E 499	MK-10	Teflon coated fiberglass	.25	.20
5 E 495	MK-15	Mica	.25	.2
6 E 444	MK-20	Anodized Aluminum	.45	.4

ALLIED—HEADQUARTERS FOR SEMICONDUCTORS

UMN HEADS
ND SYMBOLS

at 25° C. except
150° C. P_t, max.
dissipation; BV,
n volt.; BV_{cbo},
-base with emit-
I_c, collector cur-
IV, peak inv. v.;
current; I_R, rev.
h_{FE}, DC beta;
beta. PNP ex-
• NPN. AJ, germa-
lloy-junction; DR,
it; GJ, ger., grown
silicon; SB, surf.
; DB, drift or
barrier; MAD,
alloy dif. base.
al value. Av., 2 oz.



PHILCO

tion of high-quality entertainment and
ication-type transistors from Philco.
been carefully designed to meet exact-
quirements. Types T1832 and T1833 are
e type transistors. T1851 is intended
in television receiver sync-separator
s.

	Fig.	P_t Mw	BV V	I_c Ma	Function	Des.	NET EACH
[illegible]	A	30	—10	—5	IF, RF	SB	6.30
[illegible]	B	50	—12	—20	Audio	AJ	1.95
[illegible]	B	50	—12	—20	Audio	AJ	2.10
[illegible]	B	50	—12	—20	Audio	AJ	2.25
[illegible]	B	200	—18	—150	Audio	AJ	1.08
[illegible]	B	250	—25	—150	Audio	AJ	1.10
[illegible]	B	250	—30	—150	Audio	AJ	1.02
[illegible]	A	20	—5	—5	IF, RF, Sw.	SB	3.45
[illegible]	A	20	—5	—5	IF, RF	SB	4.35
[illegible]	A	20	—5	—5	IF, RF	SB	5 85
[illegible]	C	12½W	—60	—3A	AF Pwr Amp	AJ	6.75
[illegible]	C	12½W	—80	—3A	AF Pwr Amp	AJ	9.75
[illegible]	A	150	—25	—50	IF, RF	Si,AJ	13.20
[illegible]	A	75	—30	—50	VHF Osc.	DB	5.25
[illegible]	A	25*	—15	—50	Switching	DB	12.60
[illegible]	A	80	—20	—50	IF, VHF	DB	2.85
[illegible]	E	750	—30	—400	Pulse Amp.	AJ	3.90
[illegible]	E	750	—45	—400	Switching	AJ	3.75
[illegible]	B	150	—25	—150	Audio	AJ	1.43
[illegible]	B	150	—25	—150	Audio	AJ	1 65
[illegible]	B	150	—30	—150	Audio	AJ	1.43
[illegible]	B	40	12	20	Audio	AJ	.75
[illegible]	A	9*	6	10	IF Amp.	SB	.98
[illegible]	A	9*	6	10	IF Amp.	SB	1.05
[illegible]	D	30*	25	..	FM IF	MAD	1.86
[illegible]	D	30*	—20	—50	RF Amp.	DB	1.49
[illegible]	D	30*	—20	—50	IF Osc.	DB	1.44
[illegible]	D	30*	—20	—50	IF Amp.	DB	1.40
[illegible]	D	30*	—25	—50	TV Driv.	DB	1.79
[illegible]	D	35*	—30	—10	TV Out.	DB	1.61
[illegible]	D	30*	—25	..	IF Amp.	DB	1.52
[illegible]	A	15*	—14	—5	TV H Osc.	SB	1.17
[illegible]	D	60	15	..	UHF Amp.	MAD	2.93
[illegible]	D	60	15	..	UHF Mix.	MAD	2.87
[illegible]	D	30*	—12	—50	Sync. Sep.	DB	2.16
[illegible]	D	60	—20	..	FM&TV, IF	DB	2.25
[illegible]	D	60	—15	..	VHF Osc.	DB	2.79

RAYTHEON

assortment of germanium transistors by
theon, a pioneer in the semiconductor field.
types are manufactured by the fusion-alloy
ess; will provide long-life and dependable

	Fig.	P_t Mw	BV V	I_c Ma	Function	NET EACH
[illegible]	G	180	—15	—10	AF Amp.	2.40
[illegible]	G	180	—22	—10	AF Amp.	.90
[illegible]	F	150	—15	—100	IF Amp.	1.50
[illegible]	H	8.5W	—30	—3A	Power	2.83
[illegible]	F	168	—20	—400	Audio	1.05
[illegible]	F	168	—40	—400	AF Driver	.97
[illegible]	F	150	—15	—200	RF Amp.	1.44
[illegible]	F	150	—12	—200	RF Amp.	3 38
[illegible]	F	168	—30	—400	AF Amp.	1.73
[illegible]	F	168	—20	—20	Audio	1 17
[illegible]	F	168	—24	—24	Audio	1.13
[illegible]	F	168	—30	—30	Audio	1.03

Allied Radio stocks the complete line of semiconductors from all manufacturers shown on this page. Items shown represent a selection of the more popular types.

SYLVANIA

A selection of top-quality transistors. Famous for complete quality control; 100% of Sylvania production is pre-tested. Type 2N212 is a high-gain device.

Mfr's Type	Fig.	BV V	I_c Ma	Function	Des.	NET EACH
2N34	G	—40	—50	Gen. Purp.	AJ	3.26
2N35	G	40	1A	Gen. Purp.	•AJ	1.05
2N94	G		50	RF, IF	•AJ	1.28
2N94A	G	20	50	RF, IF	•AJ	5.25
2N109	G	—25	—70	AF Amp.	AJ	1.50
2N139	G	..	—15	HF IF Amp.	AJ	1.71
2N140	G	—16	—15	HF Conv.	AJ	1.80
2N155	H	—30	—3A	Pwr.	AJ	2.55
2N169A	K	25	20	*IF Amp.	•AJ	2.40
2N194	G		50	*Mix.-Conv.	•AJ	1.24
2N212	G	..	50	*Mix.-Conv.	•AJ	1.40
2N213	G	40	100	AF Amp.	•AJ	1.05
2N213A	G	40	100	AF Amp.	•AJ	1.10
2N214	G	40	100	AF Amp.	•AJ	1.28
2N216	G	..	50	*IF Amp.	•AJ	1.58
2N229	G	6	40	Gen. Purp.	•AJ	.57
2N233	G	10	50	Gen. Purp. RF	•AJ	.57
2N242	H	—45	—2A	Pwr.	AJ	2.56
2N247	M	—35	—10	RF Amp.	DR	2.85
2N250	H	—30	—3A	AF Pwr. Amp.	AJ	3.56
2N255	H	—15	—3A	Gen. Purp. Pwr.	AJ	1.25
2N256	H	—30	—3A	AF Pwr. Amp.	AJ	1.45
2N257	H	—40	—2A	AF Amp.	AJ	2.95
2N270	J	—25	—75	AF Amp.	AJ	1.52
2N285A	H	—35	—3A	AF Pwr. Amp.	AJ	3.68
2N292	K	15	20	HF IF Amp.	•GJ	1 45
2N301	H	—40	—2A	AF Pwr. Amp.	AJ	2.73
2N301A	H	—60	—2A	AF Pwr. Amp.	AJ	4.83
2N306	G	20	100	AF Amp.	•AJ	.75
2N307	H	—35	—1A	Pwr.	AJ	1.35
2N377	F	25	200	*Computer	•AJ	2.48
2N384	L	—30	—10	VHF Amp.	AJ	3.30
2N517	G	50	10	IF Amp.	AJ	2.25
2N677	H	—50	—15A	AF Amp.	AJ	3.38
2N677A	H	—60	—15A	High Power	AJ	4.50
2N1059	G	40	100	Audio Out.	•AJ	.90
2N1101	G	20	100	AF Amp.	•AJ	.68
2N1102	G	40	100	AF Amp.	•AJ	.71
2N1264	F	—20	—10	RF, IF Amp.	DR	.57
2N1265	G	—10	—100	AF Amp.	AJ	.57
2N1266	G	—10	..	RF Amp.	AJ	.57

MOTOROLA

High-dependability Motorola germanium transistors manufactured for use in general-design applications. Built to stringent standards.

Mfr's Type	Fig.	BV_{cbo} V	I_c A	hFE(‡hfe) Min.	hFE(‡hfe) Max.	Function	NET EACH
2N176	H	40	3	45§‡	....	AF Pwr. Amp.	2.35
2N297A	H	80	3	40	100	HV Power	4.75
2N331	F	30	....	30‡	‡70	Switching	1.87
2N350A	H	50	3	30§	.....	AF Pwr. Amp.	2.45
2N351A	H	50	4	45§	..	AF Pwr. Amp.	2.60
2N376A	[illegible]	50	5	60§	...	AF Pwr. Amp.	2.70
2N464	F	45	....	14‡	....	Switching	2.25
2N465	F	45	....	27‡	....	Switching	1.73
2N466	F	35	....	56‡	...	Switching	1.80
2N467	F	35	...	112‡	..	Switching	2.25
2N554	H	30	3	....	...	AF Pwr. Amp.	1.20
2N555	H	40	3	....	...	AF Pwr. Amp.	1.45
2N627	H	40	10	10	30	HV Power	4.50
2N629	H	80	10	10	30	HV Power	7.20
2N650	[illegible]	45	....	30‡	70	Switching	1.87
2N651	F	45	....	50	120	Switching	2.10
2N652	F	45	....	100	225	Switching	2.40
2N653	F	30	....	30	70	Switching	1.65
2N654	[illegible]	30	....	50	125	Switching	1.80
2N655	F	30	....	100	250	Switching	1.95
2N669	H	40	3	45§	....	AF Pwr. Amp.	2.50
2N1191	F	40	....	30‡	70	Switching	1.30
2N1192	F	40	...	50‡	125	Switching	1.45
2N1193	F	40	..	100‡	250	Switching	1.60

GENERAL ELECTRIC

Mfr's Type	Fig.	P_t Mw	BV_{cbo} V	$f_{\alpha b}$ Mc	Description	NET EACH
2N43	F	240	—45	1.3	Audio	4.15
2N43A	F	240	—45	1.3	Audio	4.15
2N44	F	240	—45	1.0	Audio	2.95
2N78	N	65	15	9.0	•Amp.	2.80
2N107	F	50	—12	0.6	Audio	1.00
2N123	K	150	—20	8.0	Computer	3.65
2N135	K	100	—20	4.5	Computer	2.15
2N136	K	100	—20	6.5	Computer	2.55
2N167	N	75	30	9.0	•Computer	5.80
2N169A	N	65	25	9.0	•Computer	2.40
2N170	N	25	6	4.0	Audio	1.30
2N187A	F	200	—25	1.0	Audio	1.50
2N188A	F	200	—25	1.2	Audio	1.64
2N190	F	75	—25	1.0	Audio	1.44
2N191	F	75	—25	1.2	Audio	1.64
2N192	F	75	—25	1.5	Audio	1.78
2N241A	F	200	—25	1.3	Audio	1.80
2N293	N	65	15	8.0	•Amp	1.88
2N319	F	225	—20	2.0	Audio	1.50
2N320	F	225	—20	2.5	Audio	1.71
2N322	F	140	—16	2.0	Audio	1.44
2N324	F	140	—16	3.0	Audio	1.78
2N395	F	200	—30	4.5	Computer	1.12
2N396	F	200	—30	8.0	Computer	2.95
2N397	F	200	—30	12.0	Computer	4.50
2N404	F	120	—25	8.0	Computer	1.65
2N450	K	150	-20	10.0	Computer	2.10
2N508	F	140	—16	3.5	Computer	1.87
2N518	K	150	—45	10.0	Computer	6.00
2N524	F	225	—45	2.0	Audio	2.80
2N525	F	225	—45	2.5	Audio	3.00
2N526	F	225	45	3.0	Audio	3.30
2N527	F	225	—45	3.3	Audio	3.90
2N634	F	150	20	8.0	•Computer	4.45
2N635	F	150	20	12.0	•Computer	6.00
2N636	F	150	20	17 0	•Computer	9.20
2N1056	F	240	-70	1 0	Computer	3.10
2N1057	F	240	—45	1.3	Computer	5.25
3N36	F	30	7	50 0	Amp	8.05
3N37	F	30	7	90 0	Amp.	9.20

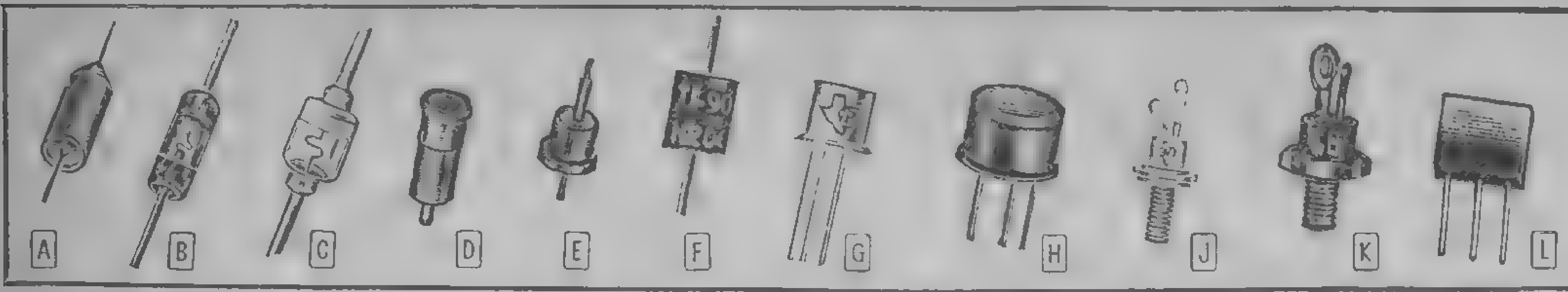
GENERAL PURPOSE SILICON RECTIFIERS

I_R and I_o for Types 1N536 through 1N1697 are measured at 100° C.

Mfr's Type	Fig.	Mfr.	PIV	I_R (Ma) @ 25 C.	I_o Ma	NET EACH
1N536	P	GE	50†	.4 @ PIV	750*	.85
1N536	P	RCA	50	.5 @ PIV	500	1.06
1N537	P	GE	100†	.4 @ PIV	750*	1.05
1N537	P	RCA	100	.5 @ PIV	500	1.12
1N538	P	RCA	200	.5 @ PIV	500	1.35
1N538	P	TI	200	.5 @ IV	750	1.32
1N539	P	TI	300	.5 @ IV	750	1.68
1N540	P	RCA	400	.5 @ PIV	500	2.71
1N540	P	TI	400	.5 @ IV	750	2.49
1N547	P	RCA	600	.5 @ PIV	500	3.68
1N645	R	TI	225	.2 @ IV	400	3.20
1N646	R	TI	300	.2 @ IV	400	4.08
1N647	R	TI	400	.2 @ IV	400	5.10
1N648	R	TI	500	.2 @ IV	400	6.19
1N649	R	TI	.2 @	—1V	400	7.20
1N1095	P	RCA		.5 @ PIV	500	2.71
1N1095	P	TI	500	.5 @ PIV	750	2.70
1N1096	P	TI	600	.5 @ PIV	750	3.68
1N1563A†	S	Mot	100	...	250	1.72
1N1566A†	S	Mot	400		250	2.80
1N1692	P	GE	100	.5 @ PIV	690	.70
1N1693	P	GE	200	.5 @ PIV	600	.85
1N1694	P	GE	300	.5 @ PIV	600	1.05
1N1695	P	GE	400	.5 @ PIV	600	1.20
1N1696	P	GE	500	.5 @ PIV	600	1.20
1N1697	P	GE	600	.5 @ PIV	600	2.10
1N1763	P	RCA	400	.1 @ PIV	500	1.06
1N1764	P	RCA	500	.1 @ PIV	500	1.55
1N2610	T	Mot	100	10μa @ max. DCV	750*	1.12
1N2611	T	Mot	200	10μa @ max. DCV	750*	1.25
1N2612	T	Mot	300	10μa @ max. DCV	750*	1.65
1N2613	T	Mot	400	10μa @ max. DCV	750*	2.25
1N2614	T	Mot	500	10μa @ max. DCV	750*	2.45
1N2615	T	Mot	600	10μa @ max. DCV	750*	3.20

Diodes, Rectifiers, Books

ALLIED—HEADQUARTERS FOR SEMICONDUCTORS



ABBREVIATIONS OF MANUFACTURER'S NAMES

GE—General Electric, Hu—Hughes, Ray—Raytheon, RCA—Radio Corporation of America, Syl—Sylvania.

WHEN ORDERING any of the semiconductors listed on pages 135, 136 or 137 be sure to specify manufacturer's name, plus type number.

DIODES FOR VARIED APPLICATIONS

*Indicates rating given at 50° C.

Mfr's Type	Fig.	Mfr.	PIV	Max. Inv. Ma. @ 25° C.	Ifwd	Description	NET EACH
1N21B	D	Syl	3000 mc silicon microwave mixer				.80
1N21C	D	Syl	3000-mc silicon microwave mixer				1.04
1N23C	D	Syl	10,000-mc silicon microwave mixer				1.20
1N34	A	Ray	60	.8 @ 50V	5	Ge; Gen. purp.	.40
1N34A	B	Ray	75	.035 @ 10V	5	Ge; Gen purp	.40
1N34A	C	Syl	60	30 @ 10V	5	Ge; Gen. purp.	.43
1N35	C	Syl	50	.01 @ 10V	7	Ge, Matched Pair	1.68
1N38B	C	Syl	100	.5 @ 100V	4	Ge; Gen. purp.	.80
1N48	C	Syl	85	.833 @ 50V	40	Ge; Gen. purp.	.43
1N54A	C	Syl	50	.007 @ 10V	5	Ge; High back res.	.80
1N55A	C	Syl	150	.5 @ 150V	4	Ge; Gen. purp.	1.70
1N56A	C	Syl	50	.3 @ 30V	15	Ge; High cond.	.80
1N58A	C	Syl	120	.6 @ 100V	4	Ge; High cond.	.85
1N60	B	Ray	30	.02 @ 10V	...	Ge; Vid. det.; gen. purp.	.27
1N60	C	Syl	25	.03 @ 1.5V		Ge; Vid. det.; gen. purp.	.43
1N63	C	Syl	100	.05 @ 50V	4	Ge; High back res.	1.20
1N64		Syl	25	Noise, 14 db max.		Ge; Vid. det.	.43
1N65	C	Syl	70	.2 @ 50V	2.5	Ge; Gen. purp.	.53
1N66	A	Ray	60	.8 @ 50V	5	Ge; Gen. purp.	.40
1N67	A	Ray	80	.05 @ 50V	4	Ge; High back res.	.82
1N67A	B	Hu	80	.05 @ 50V	4	Ge; High back res.	.70
1N67A	B	Ray	80	.05 @ 50V	4	Ge; High back res.	.73
1N68	A	Ray	100	.625 @ 100V	3	Ge; Gen. purp.	.78
1N68A	B	Hu	100	.625 @ 100V	3	Ge; Gen. purp.	1.04
1N69A	C	Syl	60	.5 @ 50V	5	Ge; Gen. purp.	.43
1N82	C	Syl	5	Noise, 16 db max.	...	Ge; UHF mixer (to 1000 mc)	.95
1N82A	A	Ray	5	Noise, 14 db max.	...	Ge; UHF mixer (to 1000 mc)	1.05
1N90	B	Hu	60	.5 @ 50V	5	Ge; Gen. purp.	.39
1N90	C	Syl	60	.75 @ 50V	5	Ge; Gen. purp.	.43
1N91	E	GE	100	*2.7 @ 100V	150	Ge; Gen. Purp.	.85
1N92	E	GE	200	*1.9 @ 200V	100	Ge; Gen. purp.	1.95
1N93	E	GE	300	*1.2 @ 300V	75	Ge; Gen. purp.	2.70
1N95	B	Hu	60	.5 @ 50V	10	Ge; Gen. purp.	.52
1N96	B	Hu	60	.5 @ 50V	20	Ge; Gen. purp.	.59
1N99	B	Hu	80	.05 @ 50V	10	Ge; High back res.	1.04
1N116	B	Hu	60	.100 @ 50V	5	Ge; High back res.	.65
1N118	B	Hu	60	.100 @ 50V	20	Ge; High back res.	.78
1N126A	B	Hu	60	.850 @ 50V	5	Ge; Gen. purp.	.45
1N191	B	Hu	Computer—recovers to 50K in 0.5 μsec				.65
1N198	B	Hu	80	.25 @ 50V	5	Ge, Gen. purp.	1.20
1N273	B	Hu	35	.02 @ 20V	100	Ge; Quick recovery	1.72
1N 279	B	Hu	35	.2 @ 20V	100	Ge; Quick recovery	.78
1N294	B	Ray	60	.8 @ −50V	5	Ge; Gen. purp.	.52
1N295	A	Ray	40	.2 @ 10V	...	Ge; Gen. purp.	.27
1N295	C	Syl	40	.18 @ 10V	...	Vid. det.	.35
1N2326	[illegible]	RCA	1	(10ma. max. @ 71° C)		Ge; Compensating	.37
HD2155	B	Hu	60	.5 @ 50V	50	Ge	.59

EXPLANATION OF COLUMN HEADINGS

PIV is max. inv. wkg. voltage (v); PIV$_{tr}$ is transient PIV; PIV$_{go}$, g
to cathode PIV. V$_f$ is fwd. voltage (v) at typical peak current. BV
min. fwd. off voltage (v). I$_{fwd}$ is min. fwd. current (ma), at +1
except where noted. I$_g$ is max. fwd. gate current (ma). I$_{mr}$ is m
reverse current (μa). I$_p$ is peak current (ma). I$_v$ is valley current (m
I$_{pr}$ is recurrent peak current (amps). I$_{sur}$ is surge current (am
I$_o$ is max. av. rect. fwd. current (ma). GS is firing gate signal. Cv
typical cap. (μμf) at valley voltage. Av. shpg. wt., 3 oz.

TEXAS INSTRUMENTS EPOXY SILICON RECTIFIERS

F DC forward voltage drop, 1.2 volts @ 500 ma. (@ 25° C). .3
.220″ diameter with 1″ leads.

Type No.	PIV	I$_o$ @ 25° C	I$_{pr}$ @ 25° C	I$_{mr}$ @ V (@ 25° C)	NET EA
1N2069	200	750	6	10 @ 200	1.1
1N2070	400	750	6	10 @ 400	1.35
1N2071	600	750	6	10 @ 600	1.7

TEXAS INSTRUMENTS TUNNEL DIODES

Type	Fig.	I$_p$ @ 25° C	I$_p$ I$_v$ @ 25° C	C$_v$ @ 25°	V$_f$ @ 25° C	NET EA
1N650	G	10 ± 10%	>15	25	1.10 ± 10%	27.3
1N651	G	10 ± 2%	>10	25	1.10 ± 5%	39.0
1N652	G	5 ± 10%	>5	35	0.98 ± 10%	18.2
1N653	G	5 ± 10%	>5	35	0.98 (typ)	11.7

SILICON CONTROL RECTIFIERS

GS given at 150° C junc. temp., GE types; 25° C case temp., TI ty
I$_o$ given at 60° C stud temp., GE types; and 80° C case temp., TI ty
150° C is max. junc. temp., GE, and max. case temp., TI. 8 oz.

TEXAS INSTRUMENTS

Type No.	Fig	PIV, BV$_f$	PIV$_{tr}$	I$_o$ (A)	GS$_{typ}$		GS$_{max}$		I$_{sur}$, (A)	PIV$_{go}$	I$_g$, Ma	NE EA
					Ma	V	Ma	V				
2N1595	H	50	75	1	1	...	10	...	15	5	100	7.
2N1596	H	100	150	1	1	...	10	...	15	5	100	10.
2N1597	H	200	300	1	1	...	10	...	15	5	100	15.
2N1600	J	50	75	3	1	...	10	...	25	5	100	9.
2N1601	J	100	150	3	1	...	10	...	25	5	100	12.
2N1602	J	200	300	3	1	...	10	...	25	5	100	16.
TI-010	H	50	75	1	...	...	5	1.5	15	5	100	10.
TI-025	H	50	75	1	...	...	10	1.5	15	5	100	12.
TI-050	H	50	75	1	...	...	20	1.5	15	5	100	14.

GENERAL ELECTRIC

Type No.	Fig	PIV, BV$_f$	PIV$_{tr}$	I$_o$ (A)	GS$_{typ}$ Ma	GS$_{typ}$ V	GS$_{max}$ Ma	GS$_{max}$ V	I$_{sur}$, (A)	PIV$_{go}$	I$_g$, Ma	NE EA
C10A	K	100	150	4.7		...	6	2	60	.	...	12.
C10B	K	200	300	4.7			6	2	60			16.
C10F	K	50	75	4.7			6	2	60	.	.	9.
C10G	K	150	225	4.7			6	2	60		.	14.
C10H	K	250	350	4.7	...	...	6	2	60	.....	...	30.
C10U	K	25	35	4.7	...	.	6	2	60	.....	...	7.

GENERAL ELECTRIC VAC-U-SEL DOUBLE DIODES

L Miniature double diodes for TV horizontal phase detector repla
ment and other applications. 7/16x9/16x3/16″.

Type No.	Ifwd	Imr	Description	Max. Case Temp.	NET EA
6GC1	1.1 @ 2.5V	4 @ 20V	Common cathode	85° C	.84
6GD1	1.1 @ 2.5V	4 @ 20V	Series connected	85° C	
6GX1	1.1 @ 2.5V	4 @ 20V	Common anode	85° C	

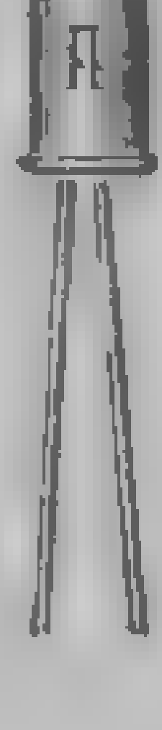
INTERNATIONAL RECTIFIER SUBMINIATURE DIODES

Smaller Than A Match Head

A selection of subminiature selenium diodes that have pigtail leads for easy wiring into crowded chassis. Some units are smaller than the head of a match. Ideal for use in hearing aids, computers, miniaturized relay units, etc. Stable from −50° to +100° Centigrade. DC output listed in table below is measured into a capacitive load.

Type No.	DC Output Volts	DC Output Ma	Max. Freq. (Kc)	NET EACH
1N1625A	20	0.2	200	.37
1N1626A	40	0.2	200	.41
1N1627	20	1.5	100	.37
1N1628	40	1.5	100	.41
1N1629	60	1.5	100	.45
1N1630	80	1.5	100	.48
1N1631	100	1.5	100	.52
1N1632	120	1.5	100	.56
1N1633	140	1.5	100	.60
1N1634	160	1.5	100	.63
1N1635	20	5.0	25	.37
1N1636	40	5.0	25	.41
1N1637	60	5.0	25	.45
1N1638	80	5.0	25	.48
1N1639	100	5.0	25	.52
1N1640	20	11.0	10	.37
1N1641	40	11.0	10	.41
1N1642	60	11.0	10	.45

HOFFMAN ECONOMY ZENER DIODES



Rated 150 milliwatt at 25° C; derate 1 milliwatt/degree C above 25° C. Maximum operating temperature, 100° C.

Mfr's Type	PIV	Imr @ 25° C	Ifwd	V$_z$ Min.	NET EACH
HB 1	6.8	.005 @ 3.5V	17.0	7.5	.44
HB-2	18	.005 @ 10V	5.0	20	.44
HB-3	36	.010 @ 20V	2.7	40	.44
HB-4	68	.020 @ 39V	0.9	75	.44
HB-5	150	.040 @ 82V	3.0	170	.44
HB-6	170	.075 @ 150V	1.5	300	.44

DIODE BOOKS

ELECTRONIC SHORTCUTS FOR HOBBYISTS. By Sylvania engineers. Build 24 devices using germanium diodes. Has 40 pages. Size, 6x9″.
37 K 074. Postpaid in U.S.A..........**35¢**

GERMANIUM DIODE INDUSTRIAL USES. By Sylvania engineers. Circuits, diode installation hints, ratings. 42 pages, 6x9″.
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By G.E. A comprehensive guide. Theo
ratings and applications. 255 pages, 5½x8
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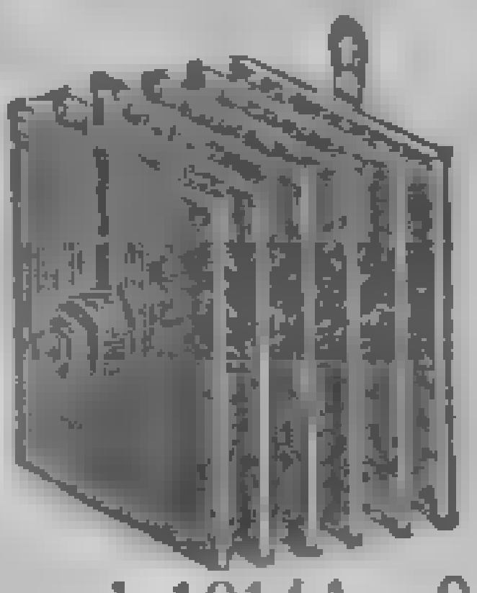
ERNATIONAL RECTIFIER STACKS

NIATURE TYPE



ellent selection of top-niaturized selenium ers at unusually low pes 1016A and 1017A connected Internal rops: Type 1001A—; 1016A and 1017A— 1002A, 1003A, 1004A, 159A—7 volts; 1007A and 1014A—9

1013 and 1512 are recommended for use charging Type 1013 is excellent for small 2 and 6 volt batteries of the d in photoflash equipment and porta Type 1512 is ideally suited for trickle of 6 volt auto batteries All units listed locking lugs. *Tubular type (not illus- paper enclosed. Has 1½" leads to sy installation. Av. shpg. wt., 5 oz.

Mfr's Type	DC Ma	RMS Volts	Size	NET EACH
1159A	20	130	*½" dia.x¾"	.74
1002A	65	130	1x1x9/16"	.74
1003A	75	130	1x1x¾"	.78
1001A	75	20	1x1x⅜"	.40
1007A	75	160	1x1x2 1/16"	2.22
1014A	100	160	1 9/32x1 9/32x1"	1.28
1004A	100	130	1 9/32x1 13/64x¾"	.96
1101A	100	130	1x1x1⅛"	.92
1005A	150	130	1 9/32x1 13/64x1"	1.00
1016A	300	25	1 13/64x1 9/32x⅜"	1.28
1017A	600	25	1 17/32x1 17/32x¾"	1.46
1013A	450	18	1 17/32x1 17/32x¼"	.66
1512A	1800	26	4¼x2⅛x⅝"	1.92

HI-DENSITY TYPE RECTIFIERS

, high density type selenium rectifiers. d design permits remarkably high cur acity and extremely compact size. Ex- for replacement use in radios, TV set, ality components, etc. Ideally suited, a wide variety of applications in origi ipment of all types Eliminate installa- roblems where space is exceptionally Maximum rms input volts, 130. Maxi- peak inverse volts, 380. Internal drop, 7 All types listed have locking lugs. Av. t, 4 oz.

Mfr's Type	DC MA	Size	NET EACH
1234A-H	65-75	1 1/16x1 1/16x2 1/32"	.45
1235A-H	100-150	1x1x¾"	.55
1241A-H	350 400	1 17/32x1 17/32x1¼"	1.38
1237A-H	450-500	1 17/32x1 17/32x1⅜"	1.20

INTERNATIONAL RECTIFIER ATTERY-CHARGING RECTIFIERS

m rectifiers designed for battery charg- ull-wave type 26 volts AC input.

Mfr's Type	DC Output Volts	DC Output Amps.	Size	Shpg Wt	NET EACH
D-116G	10	2	3x3x½"	3 oz.	1.14
D-117P	10	2.7	4x4x½"	1 lb	1.71
D-241G	10	6	6x5x½"	1 lb.	2.34
D 240G	10	9	7¼x6¼x½"	1 lb.	3.24

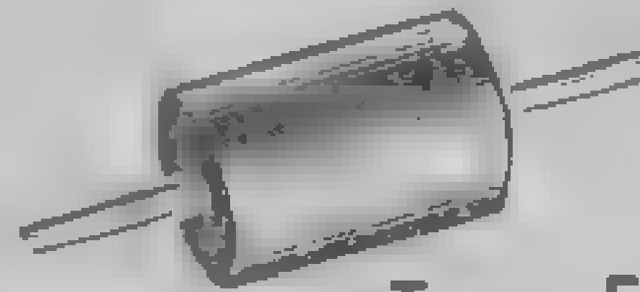
RIDER RECTIFIER HANDBOOK

ETALLIC RECTIFIERS AND CRYSTAL ODES. By Theodore Conti. Basic data on n computers, missiles, radio, TV, etc construction, characteristics, design, shooting, repair and replacement. Ap with NEMA standard code and speci- ns. Illus. 164 pages 5½x8½".

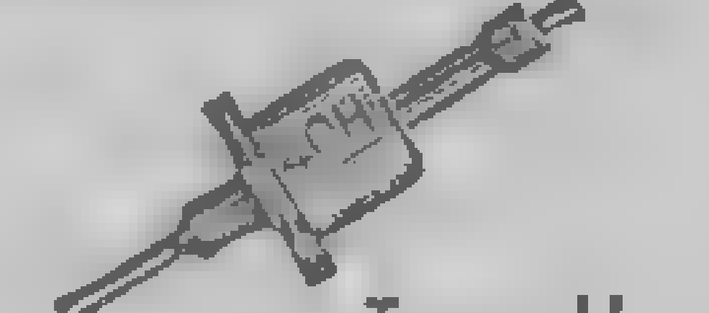
978. Postpaid in U.S.A. . . . 2.89

SARKES-TARZIAN RECTIFIERS

AXIAL LEAD MINIATURE SILICON RECTIFIERS



Type F

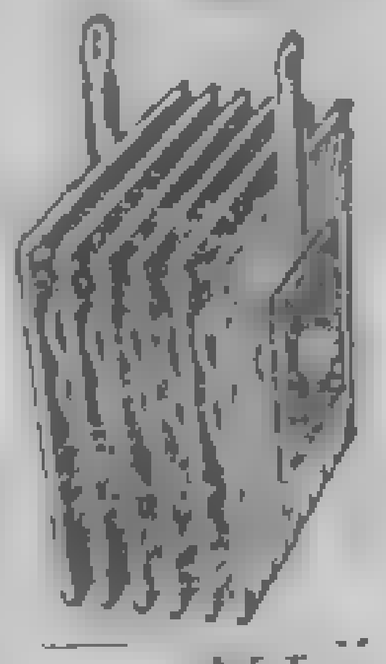


Type H

These tiny, highly efficient units Feature low forward voltage drop and high inverse resistance. Sizes: M Series, 1x¼" dia ; F Series, ¼x 9/32" dia.; F Series, ¾x⅜" dia.; Type 2F-4, ⅜x ¼" dia. *Max. DC current rating at 100° C, except †85° C. **Specify Manufacturer and Type No. on order.** Av. shpg wt., 3 oz

Mfr's Type	JEDEC No.	PIV	RMS Volts	*Max. DC Amps	NET EACH
10M	1N1081	100	70	.5	1.19
20M	1N1082	200	140	.5	1.25
30M	1N1083	300	210	.5	1.34
50M	......	500	350	.5	1.63
60M	......	600	420	.5	1.98
F-2	1N2482	200	140	.75	1.19
F-4	1N2483	400	280	.75	1.34
2F-4	...	400	260	2†	.89
F-6	1N2484	600	420	.75	1.48
10H	......	100	70	.75	1.09
20H	1N2485	200	140	.75	1.15
30H	1N2486	300	210	.75	1.24
40H	1N2487	400	280	.75	1.39
50H	1N2488	500	350	.75	1.48
60H	1N2489	600	420	.75	1.83

SELENIUM STACKS



For radios, TV sets, intercoms, amplifiers, etc. Supply plate, filament and bias voltages from power line or transformer. Max. rms input voltage, 130 v. "Centre Kooled" for cool, stable operation Max inverse peak voltage, 380 v Approx internal voltage drop, 5 v Solder lug terminals. Av. wt., 5 oz

Stock No	Type	DCMa	Size	NET
4A631	50	50	1 3/16x23/32x19/32"	.56
4A616	65	65	1x1x11/16"	.74
4A617	75	75	1x1x13/16"	.80
4A618	100	100	1¼x1¼x13/16"	.92
4A620	150	150	1¼x1¼x1 11/64"	1.01
4A621	200	200	1 19/32x1 19/32x1"	1.25
4A622	250	250	1 19/32x1 19/32x1 5/16"	1.26
4A623	300	300	1 19/32x1 19/32x1⅞"	1.31
4A627	400	400	2x2x1 5/16"	1.66
4A625	500	500	2x2x1⅝"	1.72

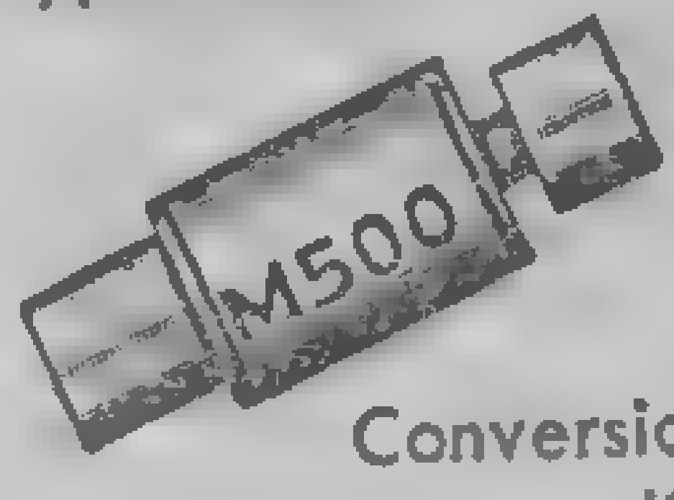
I.R. LOW-VOLTAGE STACKS

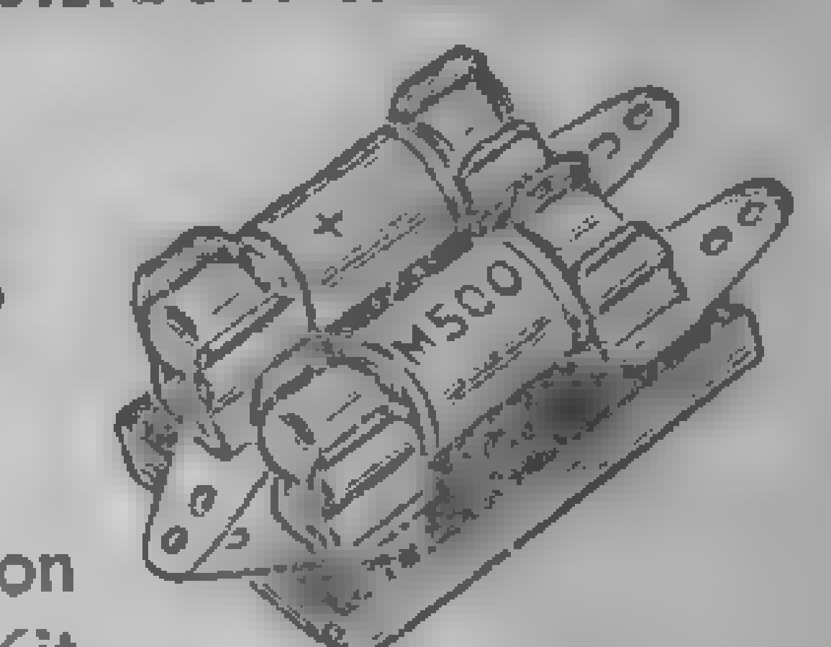
Miniature seleniums for low-power applications in DC filament supplies, solenoid and relay power supplies, 2 and 6 v. battery chargers, etc. All rated at 25 v. rms max., except Type Q4B at 130 v rms max. H in Type No indicates single plate half wave; B indicates full wave bridge rectifier Av shpg wt., 2 oz

Stock No	Mfr's Type	Max DC Ma	Min. Ohms	Size	NET EACH
4A822	Q1H	65	47	43/64x43/64x7/16"	.36
4A823	A1H	100	22	1x1x7/16"	.38
4A824	B1H	150	15	1 13/64x1 13/64x7/16"	.40
4A825	C1H	250	5	1½x1½x7/16"	.42
4A826	M1H	500	5	2x2x7/16"	.56
4A827	Q1B	130		43/64x43/64x7/16"	.84
4A828	Q4B	130		43/64x43/64x15/16"	1.56
4A829	A1B	180		1x1x¼"	1.22
4A830	B1B	300		1 13/64x1 13/64x¾"	1.28
4A831	C1B	600		1½x1½x¾"	1.46
4A832	M1B	1200		2x2x¾"	1.72

MINIATURIZED SILICON RECTIFIERS

Type M500





Conversion Kit

Type M500. Clip-in silicon rectifier for TV replacement and miniaturization uses. Lower voltage drop (only 2 v.) gives increased B +, more drive and sweep voltage, more anode voltage on CRT Maximum ratings: AC input, 130 v.: peak inv., 400 v.; DC current, 500 ma; peak current, 5000 ma. **Specify Manufacturer and Type No. on order.** Wt., 4 oz.

1-9, NET EACH 1.48

10-49, EACH 1.40

Type M150. As above, but 150 ma max Replaces Models 65 and 75 seleniums (left). With 2 clips; 10-ohm, 1-watt resistor. 4 oz.

1-9, NET EACH . . . . 89¢

10-49, EACH . . . . 85¢

Conversion Kit. For TV sets or equipment using selenium or full-wave vacuum tube rectifiers. Allows conversion to silicon rectifiers for higher efficiency, fewer breakdowns and easier future replacement Rectifiers clip in or out like fuses. Includes 2—M500 silicon rectifiers, dual mounting clip, and hardware. ¾x1 15/16x1". Shpg wt., 6 oz.

4 A 699. NET. 3.77

Single Mounting Clip. ¾x1 15/16x½". 2 oz.

4 A 669. NET . . . . 12¢

Dual Mounting Clip. ¾x1 15/16x1". 4 oz.

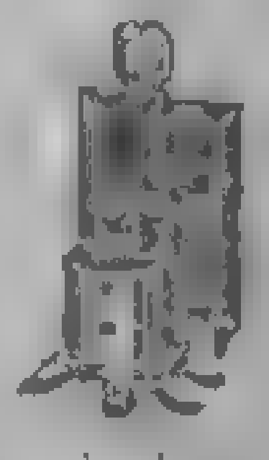
4 A 670. NET. . . . . 24¢

CONDENSED-STACK SELENIUMS

A new selection of compact, premium quality selenium rectifier stacks Similar to Types 50 to 500 stacks at left, but smaller in size for limited space applications. All have maximum rms input voltage of 130 v and inverse peak voltage of 380 v Approximate internal voltage drop, 5 v. Maximum operating temperature, 85°C. Av. shpg. wt., 4 oz.

Stock No.	Type	DC Ma	Size	EACH
4A595	50-75	75	1 1/16x1 1/16x25/32"	.49
4A596	100-150	150	1x1x13/16"	.66
4A597	200-250	250	1¼x1¼x1¼"	.97
4A598	300-500	500	1 19/32x1 19/32x1 15/16"	1.19

G.E. GERMANIUM TV RECTIFIERS



Germanium TV power rectifiers for low voltage power supplies Feature compact size, increased output, long life and easy installation. Extremely low voltage drop. Types 1N1008 and 1N1016 have single hole mounting; Type 1N1024 requires three mounting holes All half-wave except *dual rectifier—wired for voltage-doubler applications. Shpg wt., 3 oz.

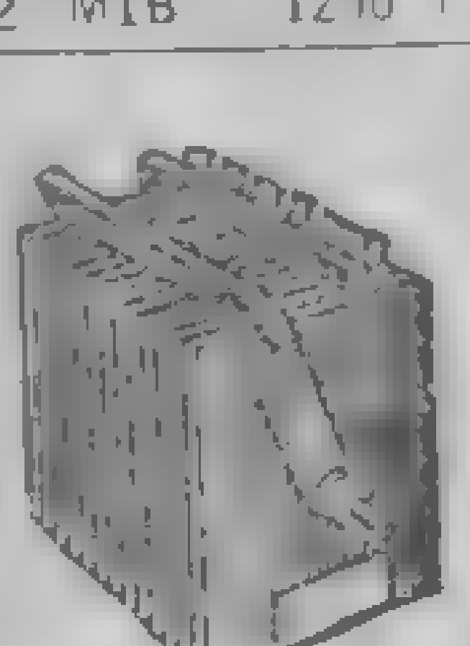
Mfr's Type	RMS Volts	PIV	Max. DC Ma	Voltage Drop	NET EACH
1N1008	130	380	400	.3	1.50
1N1016*	130	380	400	.3	3.00
1N1024	130	380	400	0.15	1.50

I. R. PHOTOCELL & SUN BATTERY BOOK

Describes applications and circuits for photocells and sun batteries. Chapters include Light Powered Devices, Photo meters, Unusual Relays, Light Beam Communication. 9 chapters, 58 pages 5½x9".

37 K 129. Postpaid in U.S.A.. . . . . 1.50

INTERNATIONAL RECTIFIER SELENIUM POWER STACKS



h current-density selenium rectifiers featuring unually low forward drop and high inverse voltage ratings. anced design permits these cells to deliver approx. the rectified DC output per sq inch as standard or use in battery chargers, arc welders, etc. In AC volts column below, *indicates center-tapped with es connected.

Mfr's Type	Mfr's Code No.	DC Output Volts	DC Output Amps	VAC Input	Size	Shpg. Wt.	NET EACH
J14C04	A1C1SDALD	14	0.4	*36	1x1x1⅛"	1 oz	.71
J14C1	C1C1SDALD	14	1.5	*36	1½x1½x1⅛"	1 oz.	1.04
J29B04	A1B1SDALD	29	0.4	36	1x1x1½"	1 oz.	1.17
J29B1	C1B1SDALD	29	1.5	36	1½x1½x1½"	2 oz.	1.71
J29B5	D1B1SDALD	29	4.8	36	3x3x2⅝"	8 oz.	4.82
J29B8	P1B1SDALD	29	8.4	36	4x4x2⅝"	1 lb.	6.70
J58B04	A2B1SDBLD	58	0.4	72	1x1x2¼"	2 oz.	2.33
J58B1	C2B1SDBLD	58	1.5	72	1½x1½x2¼"	2 oz.	3.37
J58B5	D2B1SDBLD	58	4.8	72	3x3x4 3/16"	1 lb.	9.06
J58B8	P2B1SDBLD	58	8.4	72	4x4x4 3/16"	2 lbs.	12.56
J116B04	A4B1SDBLD	116	0.4	144	1x1x3 13/16"	3 oz.	4.17
J116B5	D4B1SDBLD	116	4.8	144	3x3x7 3/16"	2 lbs	17.18

SARKES TARZIAN TUBE-REPLACEMENT RECTIFIERS

Silicon rectifier plug-ins for direct replacement of vacuum tubes Feature long life, cool operation and high efficiency. Eliminate heater power losses. Perform equally well vertically or horizontally. Replace 95% of popular full and half-wave rectifiers. Maximum ambient temp., 100°C Maximum RMS voltage 1100 v. for all types except S-5019, 1950 v.; S-5033, 3200 v.; S-5130, 7400 v; S 5343, 5000 v. Sizes (above chassis) S-5011A, S 5017, S-5018, 2 21/32x1¼" dia ; S-5019, S-5033, 3¾x1⅜" dia , S-5130, 4 7/16x1 7/32" dia ; S 5207, 1½x13/16" dia ; S-5251, 1⅝x1 3/16" dia ; S-5343, 3½x1 7/32" dia , S 5347, 2x¾" dia Av shpg. wt., 4 oz **Specify Manufacturer and Type No. on order.**

Mfr's Type	JEDEC No.	PIV	DC Ma	Tubes Replaced	NET EACH
S 5011A	1N1150	1600	750	80, 82, 83, 83V, 5Z3	12.87
S-5017	1N1237	1600	750	0Z4, 5X4, 5Y4, 6AX5, 6X5	12.87
S-5018	1N1238	1600	750	5AU4, 5AZ4, 5U4, 5W4, 5931, 6087, 6106	12.87
S-5019	1N1239	2800	500	5R4	20.25
S-5033	1N1262	4500	250	6AU4, 6AX4, 6BL4, 6U4, 6W4, 12AX4	20.25
S-5130		10,400	300	866, 866A, 3B28	28.86
S-5207	1N2490	1600	500	6X4, 6063, 6202	12.87
S-5251	1N2539	1600	600	5AU4, 5AW4, 5AZ4, 5T4, 5U4, 5W4, 5Y	6.04
S-5343		7200	300	816, 836, 3B28, 866 (reduced voltage)	20.24
S-5347		1600	500	6BW4, 12BW4	12.87

Thermistors, Photocells, Ballasts

PHOTOELECTRIC CELLS

INTERNATIONAL RECTIFIER SELF-GENERATING PHOTO-CELLS

UNMOUNTED

MOUNTED

Selenium "barrier-layer" self-generating photoelectric cell sun batteries. Convert light energy into electrical energy without any auxiliary source of power for proper operation. Outputs in average sunlight range from 0.2 to 60 ma. Spectral sensitivity corresponds closely with that of the human eye; suitable also for measurements requiring ultra-violet source. Optimum load resistance ranges from 10 to 10,000 ohms. Outputs in table below taken at 100 foot-candles with 100-ohm load. 2 oz.

Stock No.	Type	Size	Style	µa	NET
7 E 783	A-2	¼" dia.	Unmounted	12	1.00
7 E 733	A-5	1⅛" dia.	Unmounted	250	2.00
7 E 736	B-2	23/32x7/16"	Unmounted	75	1.00
7 E 737	B-5	17/16x441/64"	Unmounted	220	2.00
7 E 738	B-10	111/16x⅞"	Unmounted	350	2.50
7 E 739	B-15	111/16x111/16"	Unmounted	750	6.00
7 E 740	B-10M	111/16x⅞"	Mounted	350	7.00

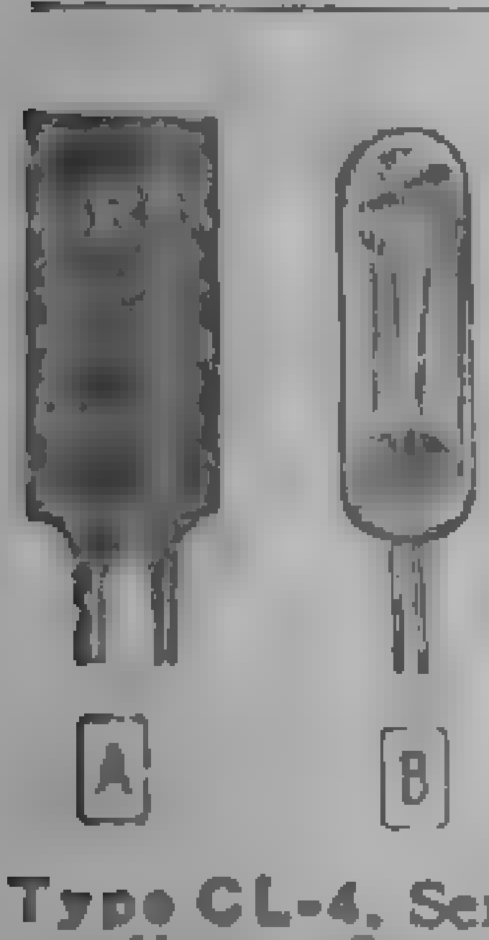
Type B-2M. Self-generating photocell sun battery. 2 ma output in av. sunlight; 50µa at 100 ft. candles, 100 ohms. Uses B-2 cell described above with right-angle mtg. bracket. Mounted. 23/32x7/16". 2 oz.
7 E 731. NET.......... ... . 1.50

INTERNATIONAL RECTIFIER SOLAR CELL MODULES

Silicon; designed for interconnection to supply any power rating from a few mw to hundreds of watts. Mounted; 111/64" ctrs. Shock-proof housing. 3 oz.

Stock No.	Type	Mw, Max.	Ma	NET
7 E 785	SD-1020A	7-10.5	27	5.40
7 E 786	SD-1020B	10.5-14	35	6.75

CLAIREX PHOTOCELLS



Efficient crystal photocells. Extremely sensitive to visible light. Max. rating, 300 v. AC-DC. All are Fig. A, polyester case except CL-403 Fig. B, glass. 3 oz.

Type CL-2P. Sensitivity, 100 µa at 100 v. at 2 ft. candles; time constant, 100 ft.-candles at 10 ms, 1 ft.-candle at 150 ms. ¼" dia. by ½" long.
7 E 881. NET............................3.50

Type CL-3. Sens., 320 µa at 100 v. at 1 ft.-candle, time constant, 100 ft.-candles at 1½ ms, 1 ft.-candle at 15 ms. ¼" dia., ½" long.
7 E 882. NET..... . . . .3.50

Type CL-4. Sens., 1000 µa at 30 v. at 2 ft.-candles; time constant, 100 ft.-candles at 2 ms, 1 ft.-candle at 45 ms. 17/64" dia., 1" long.
7 E 757. NET 3.50

Type CL-403. Sens., 320 µa at 30 v. at 1 ft.-candle, time constant, 100 ft.-candles at 1½ ms, 1 ft.-candle at 15 ms. ¼" dia., 1" long.
7 E 758. NET......... . . . . . 4.00

HOFFMAN SILICON SOLAR CELLS

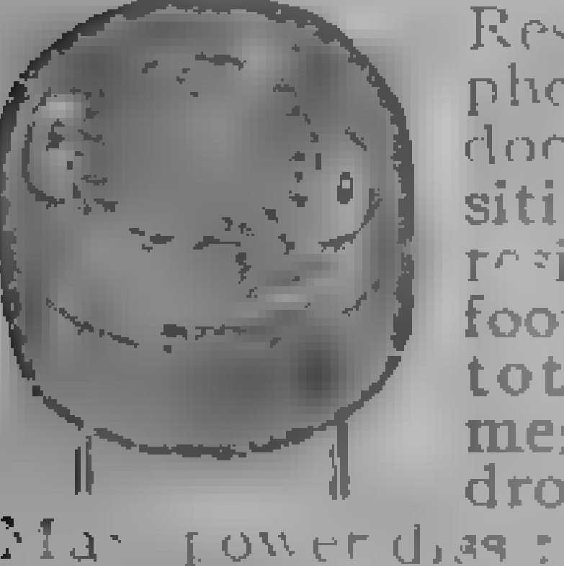
(Types 220C and 120C not illustrated.) New Hoffman photovoltaic devices convert light energy directly into electrical power in much more substantial proportions than earlier commercially available solar energy converters. Extremely long life, high temperature stability and very fast response time (20 microseconds max. for 220C and 120C; 10 microseconds for microminiature EA7 series). Min. output current for EA7 series measured with 1250 foot-candle Tungsten light source, 2800° Kelvin color temperature, at 55° C., with 1000-ohm load resistance, and 300 mv. minimum output voltage. Max. dark reverse current measured at 1 foot-candle ambient illumination level, at 55° C. test temperature, and reverse voltage of 1 volt. Min. output current and min. power rating for 220C and 120C at 10,000 foot-candle sunlight, with 400-mv. load voltage. Operating temperature range for all cells, −65° C. to +175° C. *EA7 series have tinned wire leads, 0.010x1.125" (max.). Individual cells can easily connect in series, parallel or combination of both, for higher voltage and current values. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Min. Output Current	Min. Power	Max. Dark Rev. Current	Size*	NET EACH
4 E 654	EA7E1	300 µa	......	5 µa	.5x.08" dia.	8.25
4 E 655	EA7E3	250 µa	......	10 µa	.5x.08" dia.	6.40
4 E 656	EA7E5	200 µa		20 µa	.5x.08" dia.	5.75
4 E 657	220C	48 ma	19 mw	....	.788x.788x.025"	11.37
7 E 759	120C	23 ma	9 mw	...	.788x.394x.025"	2.40

TEXAS INSTRUMENT PHOTODIODE

Type 1N2175. High-quality, extremely sensitive photocell. Excellent for use in light meters, etc. Converts light into electrical energy. Maximum bias, 50 volts. Dark current, 100 µa @ 100 C. Light current, 200 µa @ 25° C. Sensitivity is 22.3 at 10 volts µa/mw/cm: Size, 0.6x.082". Shpg. wt., 3 oz. **Specify manufacturer and Type No. when ordering.**
NET 11.50

POLARIS "MAJ-I" PHOTOCELL



Resistor-type, cadmium-sulphide photocell for actuating relays, door openers, counters, etc. Sensitive to light, it offers variable resistance from 200 ohms at 92.9 foot-candles to 10 megohms in total darkness. Changes 0.2 meg/sec. when light intensity drops instantaneously to zero. Max. power diss.: 0.2 w @ 40° C.; max. v., 110 v. AC (peak) or DC. Capacity, 6 mmfd. ½" dia.; 5/16" thick. Shpg. wt., 3 oz.
78 E 711. NET......................2.19

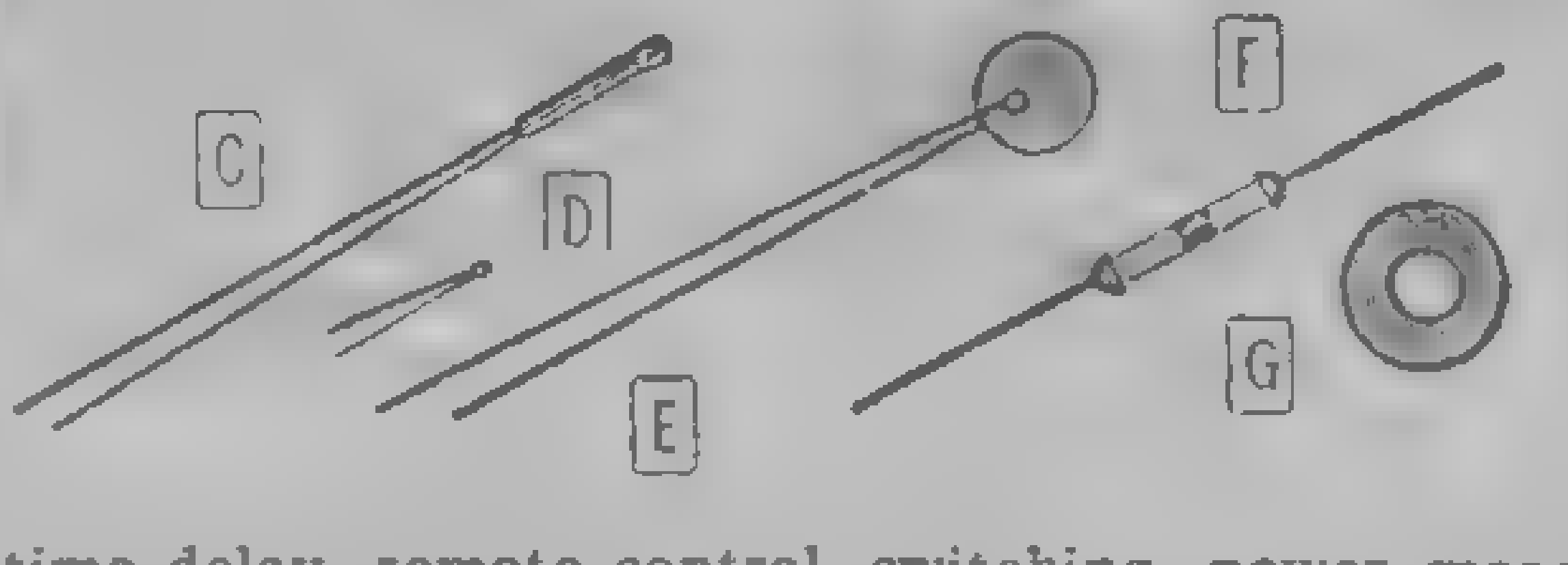
CONSOLIDATED AC-DC RESISTANCE LINE CORDS

Heavily insulated resistance line cords. Supply proper voltage for tubes wired in series across 115 v. lines. 135 and 160 ohm cords can also be used for 1-lamp, 15 and 20-watt fluorescent units. *For 3-way battery portables. Color-coded tinned leads. 6" long. Shpg. wt., 6 oz.

Stock No.	Type	Ohms	EACH
49 T 522	2401	135	71c
49 T 520	2402	160	
49 T 515	2404	290	
49 T 512	2405	330	
49 T 511	2407	350	71c
49 T 510	2406A	390	
49 T 525	2414A*	560	

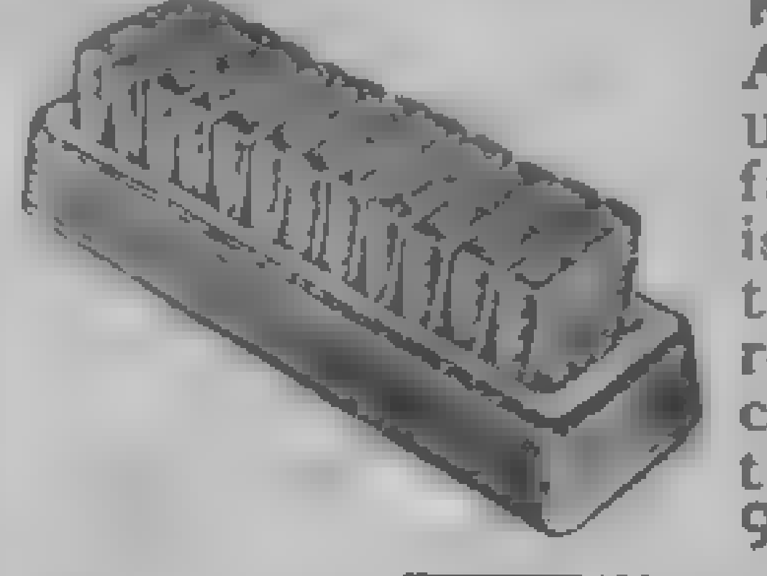
49 T 580. 220-110 V. Step-Down Cord. Rated .2 amps. Wt., 5 oz. **NET**.........1.32

FENWAL THERMISTORS



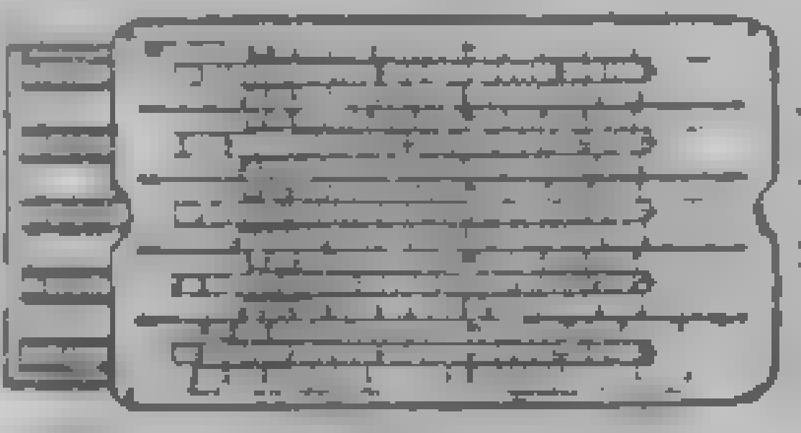
Thermal resist —resistors wit high negative te perature coeffic Ideal for temp ture measurem temperature (pensation, tempe ture control, liq level measurem time delay, remote control, switching, power measurement, etc. H practically unlimited life under normal operating conditions. All b types listed below are glass-coated—useful for insertion probes, U power measurements, etc. Washer types have hole in center—may mounted on a bolt with terminals between them and connected in se or parallel. This permits a compact arrangement. Disc and rod types m be used at temperatures as high as 125° C.; washers up to 150° C.; b up to 600° F. *Denotes res. ratio 0° C. : 50° C. Av. shpg. wt., 1 oz.

Stock No.	Mfr's Type	Fig.	Style	Ohms at 25° C.	Tol., ±	RR*	NET EAC	
							1-9	10-
9 E 909	GA51J1	D	Bead	100,000	15%	10.3:1	2.70	2.
9 E 910	GA51P2	C	Bead	100,000	15%	10.3:1	2.65	2.
9 E 911	GB32J2	D	Bead	2000	20%	7.3:1	2.70	2.
9 E 927	GB32P2	D	Probe	2000	20%	7.3:1	2.65	2.
9 E 913	GC32L1	D	Bead	2000	25%	5.7:1	3.75	3.
9 E 914	KA31L1	......	Disc	1000	10%	9.1:1	.85	.
9 E 915	LB21J1	E	Disc	100	10%	6.9:1	.85	.
9 E 916	QA51J1	F	Rod	100,000	10%	9.1:1	1.25	1.
9 E 917	RB33L1	F	Rod	3150	10%	7.1:1	1.20	.
9 E 918	RB41L1	F	Rod	10,000	10%	7.1:1	1.35	1
9 E 919	WA21W1	G	Washer	100	10%	9.1:1	1.25	1.
9 E 925	WB11W1	G	Washer	10	10%	6.9:1	1.25	1.



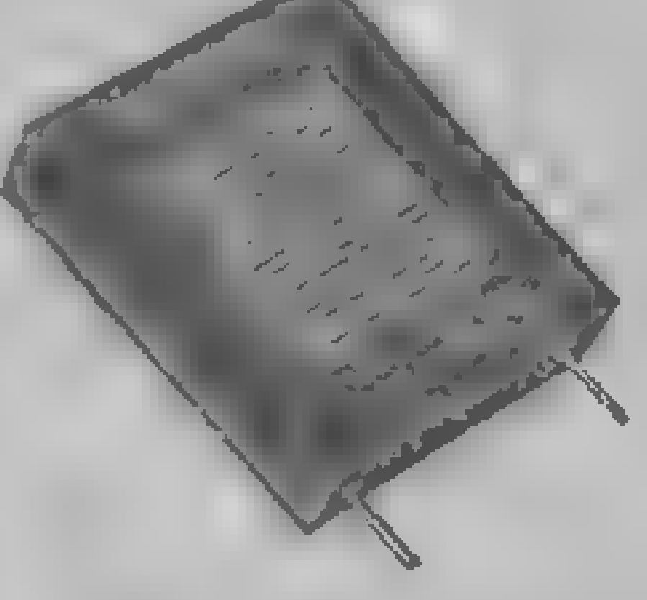
Model G-200 Experimenter's Thermistor K All of above—12 thermistors (worth $22.55) use in circuit design, experimental work, or familiarization with thermistors. Each thermis is packed with complete data including resistan temperature and voltage-current curves; ratio resistance from 0° to 50° C.; alpha temperat coefficient at 25° C.; dissipation constant, a time constant. Shpg. wt., 10 oz.
9 E 926. NET. 19.9

FENWAL THERMISTOR COMPUTER



Valuable time-saver. Reduces lengthy com tations to a single "slide-rule" setting. Sho resistances of thermistors at given temperatu Size, 5x8". Shpg. wt., 4 oz.
9 E 877....No charge with your next or

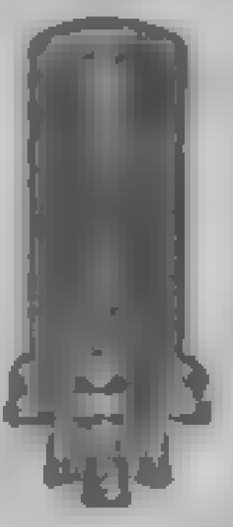
HYGROPAK HUMIDITY SENSING ELEMEN



For measuring humidity by electronic means. U lize special substances coated on a thin film—hig sensitive to water vapor molecules. Type HA use in grid circuits to control relays, etc. Type l 26 for use in simple bridge circuits in conjunct with a 0-1 ma meter. Both types decrease in res ance with an increase in humidity. ¾" pin spaci ⅜" pin length. Between 30% and 100% rela humidity. 1x1⅛x¼". Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Description	NET EACH
7 E 746	HA	Under 100K to over 100 megs	3.0
7 E 747	HA-26	50 ohms to 100 ohms	3.0
7 E 748	......	Socket for above	.3

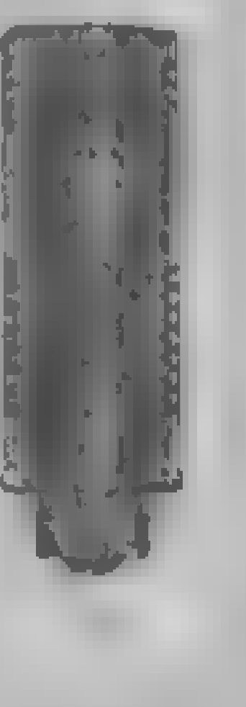
CLAROSTAT UNIVERSAL RESISTOR TUBES



Clarostat resistor tubes for voltage-reducing applications. F replacement of all AC-DC tubes beginning with letters B BL, K, L and M; and corresponding numbers and letters gi below. Order tubes according to letter and numeral designat of tube being replaced. For example, to replace a BK-23-A tu or an M-55-D tube, the Clarostat Type 23-55 A would be u etc. Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Tube Numbers From:	Ending in Letter:	NET EACH
9 E 853	23-55-A	23 to 55	A, B, C, D	1.91
9 E 855	23-55-F	23 to 55	F, G, H	

JFD BALLASTS



Quality TV, adjustable and step-d ballasts. Types 17A470303 and 17 485459 are plug-in units for AC- TV sets. No. 9 E 886 is an 8-prong justable type—replaces ballasts beg ning with K, L, M, BK, BL, B having numbers 45 through 105 ending with A, B, C, D, F, G, H, S- or 3. Perforated shells for maxim dissipation and radiation of heat. H large insulating surfaces. Wt., 6

Stock No.	Type	For	EAC
9 E 860	17A470303	Motorola	2.9
9 E 861	17A485459	Motorola	
9 E 886	....	Adjustable	

"MAKE-UR-OWN" RESISTANCE COR

Not illustrated. Resistance cords for suppl exact line cord resistance needed. Available either 30 or 60-ohms resistance per foot. Sh wt., 10', ½ lb.; 25', 1 lb.
49 W 560. 30 ohms resistance per ft.
49 W 570. 60 ohms resistance per ft.
NET PER FOOT..........................1
25 feet for..................................2.

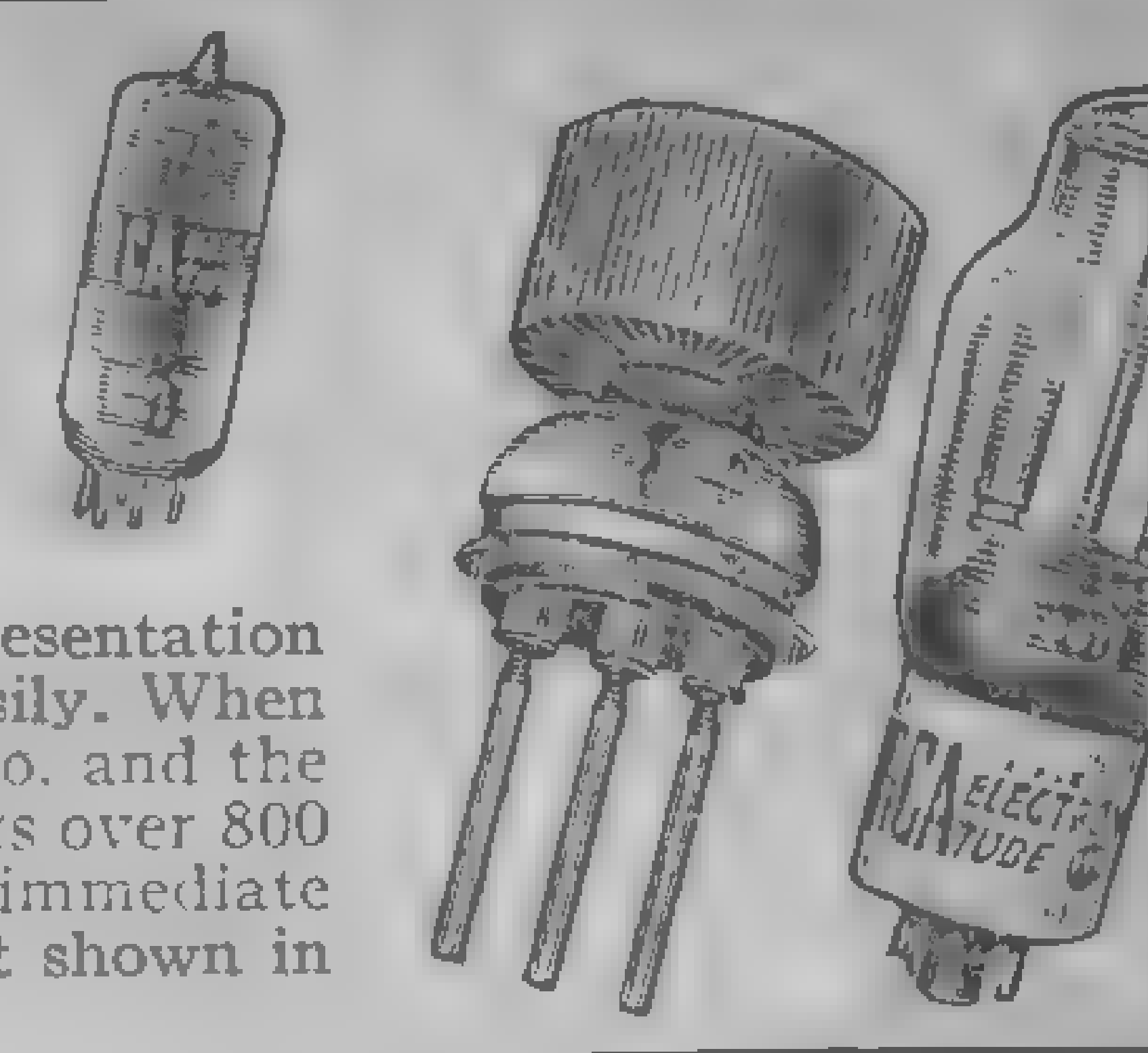
Hi-Fi and Special-Purpose Tubes

HIGH-RELIABILITY & HI-FI TUBES

High-reliability tubes for RF, audio, Amateur and experimental uses, and other critical applications. RCA "Premium" and G.E. "Five-Star" types are indicated by an asterisk*, or asterisk with prototype tube in brackets, as: 5725 *(6AS6). Hi-Fi tubes, for use in audio circuits, are indicated by a †; prototype in brackets.

MANUFACTURER'S ABBREVIATIONS

AMP	Amperex Elect. Corp.	PEN	Penta Labs, Inc.
CEC	Cont'/Elect. Corp.	RCA	Radio Corp. of Amer.
EIM	Eitel McCullough	RAY	Raytheon Mfg. Co.
GE	General Electric	SYL	Sylvania
GEN	Genalex	TAY	Taylor Tubes, Inc.
MULL	Mullard Products	TUNG	Tungsol



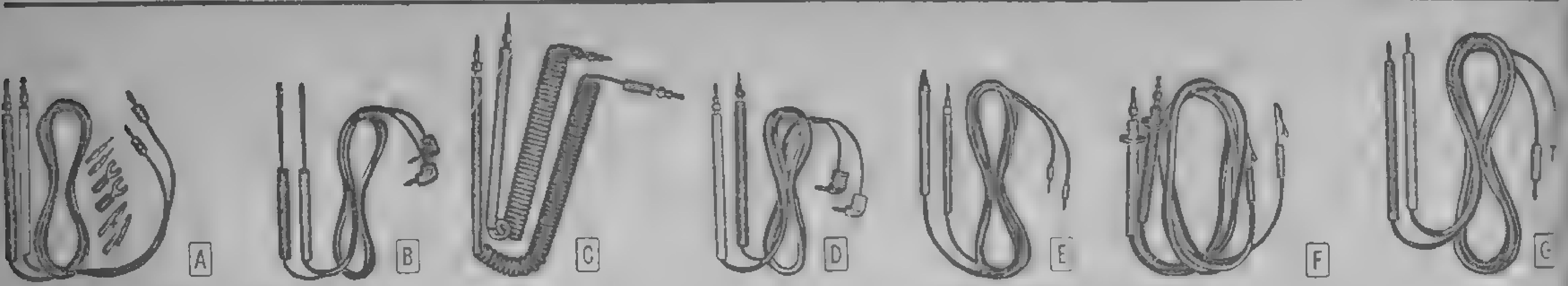
Easy to Order—Specify Department and Tube Type. This tabular presentation enables you to locate the tube types you want, quickly and easily. When ordering, give the *full* Stock No., which consists of the Dept. No. and the Mfr's Type No. Give the Stock No. thus: E1-OA2. Allied stocks over 800 different tube types, from 23 different manufacturers, ready for immediate delivery. Write for information on any special-purpose tube not shown in this listing. *MP after tube type indicates matched pair.*

Stock No. Tube Type	Mfr.	NET EACH
OA2	RCA	1.46
OA3	RCA	1.54
OA4G	RCA	1.86
OB2	RCA	1.44
OB3	RAY	1.65
OC3	RCA	1.50
OD3	RCA	1.44
1L4	RCA	1.37
1P39	RCA	2.15
1P40	RCA	3.60
2D21	RCA	1.29
2D21	AMP	1.29
2E24	RCA	5.25
2E26	RCA	3.85
2X2A	RCA	2.90
3A5	RCA	1.78
3B28	RCA	6.00
3KP1	RCA	19.50
4-65A	RCA	25.00
4-125A/4D21	RCA	36.00
4-125A	EIM	36.00
4-250A/5D22	RCA	46.50
4-250A	EIM	46.50
4-400A	EIM	48.00
4-1000A	EIM	132.00
4CX250B See Type 7203/4CX250B		
4CX250B	EIM	45.00
4CX300A	EIM	55.00
4CX1000A	EIM	156.00
RK 4D32	RAY	32.76
4E27 8001	RCA	40.00
4E27A/5-125B	RCA	40.00
4X250B	EIM	42.50
4X500A	EIM	128.50
5BP1A	RCA	23.30
5CP7A	RCA	28.60
5CXP2	CEC	35.00
5R4GY	RCA	2.03
5R4GYA	GE	2.05
5R4GYB	RCA	2.03
5UP1	RCA	14.25
6AK6	RCA	1.40
6AS6	RCA	3.43
6AS7G	RCA	4.93
6CA7 †(EL34)	AMP	2.90
6J4	RCA	4.19
7JP1 7VP1	SYL	29.00
7JP4	RCA	23.84
12A6	RCA	2.30
GZ 32	MULL	2.67
EL34†(6CA7)	MULL	3.16
EL34 MP†	MULL	6.82
GZ34†(5AR4)	MULL	2.27
35T	EIM	21.40
EL37†(6L6)	MULL	3.11
EL37 MP†	MULL	6.75
TZ40	TAY	10.20
EFP60	AMP	7.50
RK61	RAY	4.20
KT66†	GEN	3.50
DM70†(1M3)	MULL	1.05
EABC80†(6AK8)	MULL	1.92
EBF80†(6N8)	MULL	2.10
ECF80†(6BL8)	MULL	2.06
EF80†(6BX6)	MULL	1.89
EM80†(6BR5)	AMP	1.23
EZ80†(6V4)	MULL	.81
ECC81†(12AT7)	MULL	1.55
ECC81†(12AT7)	AMP	1.53
ECH81†(6AJ8)	MULL	1.83
EM81†(6DA5)	MULL	1.41
EZ81†(6CA4)	MULL	1.14
ECC82†(12AU7)	MULL	1.27
ECC82†(12AU7)	AMP	1.23

Stock No.		Mfr.	NET EACH
Dept.	Tube Type		
E3	ECF82†(6U8)	MULL	2.03
E3	ECL82†	MULL	1.62
E3	UCL82†(50BM8)	MULL	1.62
E1	83†	RCA	1.72
E3	ECC83†(12AX7)	MULL	1.27
E4	ECC83†(12AX7)	AMP	1.28
E3	EL84†(6BQ5)	MULL	1.25
E3	EL84 MP	MULL	2.84
E4	EL84†(6BQ5)	AMP	1.30
E3	ECC85†(6AQ8)	MULL	1.41
E3	EF85†(6BY7)	MULL	1.89
E3	EF86†(6267)	MULL	1.35
E4	EF86†(6267)	AMP	1.38
E4	ECC88†(6DJ8)	AMP	1.89
E3	KT88†	GEN	4.95
E3	KT88 MP†	GEN	11.65
E3	EBF89†(6DC8)	MULL	1.76
E3	EF89†	MULL	1.71
E3	EC90†(6C4)	MULL	2.04
E3	EK90†(6BE6)	MULL	1.35
E3	EL90†(6AQ5)	MULL	1.16
E3	EZ90†(6X4)	MULL	.87
E3	EB91†(6AL5)	MULL	.95
E3	ECC91†(6J6)	MULL	1.43
E3	EF93†(6BA6)	MULL	1.08
E3	EF94†(6AU6)	MULL	1.08
E3	100TH	EIM	23.60
EZ3	PL172	PEN	135.00
EZ3	250TH	EIM	35.40
E3	304TH	EIM	60.50
E3	304TL	EIM	60.50
E3	502A	GE	2.30
E1	502A	RCA	2.03
E3	Z729†(5879)	GEN	2.95
E1	807	RCA	3.00
E1	809	RCA	7.40
E1	810	RCA	25.65
E1	811A	RCA	6.90
E1	812A	RCA	6.90
E1	813	RCA	21.10
E1	814	RCA	23.60
E1	815	RCA	23.60
E1	816	RCA	2.95
E1	829B	RCA	19.00
E1	832A	RCA	15.90
EZ1	833A	RCA	47.90
E1	837	RCA	8.65
E1	866A	RCA	2.90
E3	GL866A	GE	2.90
E3	866JR	TAY	1.95
E1	872A	RCA	10.65
E1	884	RCA	2.28
E1	885	RCA	2.00
E1	921	RCA	3.45
E1	927	RCA	3.75
E1	931VA	RCA	11.55
E1	991	RCA	.87
EZ3	1000T	EIM	137.50
E1	1614†	RCA	3.77
E1	1620†(6J7)	RCA	6.99
E1	1621†(6F6)	RCA	2.60
E1	1622†(6L6)	RCA	3.45
E1	1625	RCA	4.30
E1	1635	RCA	2.60
E1	2050	RCA	2.37
E1	5639*	RCA	6.55
E1	5651	RCA	2.11
E2	CK5654	RAY	3.05
E3	5662	GE	1.45
E1	5670*(2C51)	RCA	3.70
E1	5670 WA*(2C51)	RCA	3.95
E1	5687	RCA	4.25
E3	5687	TUNG	4.10
E3	GL5687	GE	4.00

Stock No.		Mfr.	NET EACH
Dept.	Tube Type		
E1	5696	RCA	2.10
E1	5725*(6AS6)	RCA	3.80
E1	5726*(6AL5)	RCA	1.55
E1	5726/6AL5W*(6AL5)	RCA	1.55
E3	5727*(2D21)	GE	2.90
E1	5751*(12AX7)	RCA	2.95
E1	5763	RCA	2.53
E1	5814A*(12AU7)	RCA	3.35
E3	5814A*(12AU7A)	GE	3.30
E1	5823	RCA	1.72
E2	CK5879	RAY	1.75
E1	5881†(6L6)	RCA	3.49
E3	5881†(6L6)	TUNG	3.50
E1	5896*	RCA	4.45
E1	5899*	RCA	6.55
E1	5902*	RCA	5.75
E2	CK5902	RAY	5.75
E1	6005*(6AQ5)	RCA	3.93
E3	6005/6AQ5 W	GE	3.95
E1	6026	RCA	2.40
E1	6072*(12AY7)	RCA	3.90
E1	6073*(OA2)	RCA	3.00
E1	6074*(OB2)	RCA	3.45
E3	6087*(5Y3GT)	GE	5.75
E1	6111*	RCA	5.45
E1	6112*	RCA	5.45
E1	6136*(6AU6)	RCA	2.75
E3	6136*(6AU6)	GE	2.90
E1	6146	RCA	5.00
E1	6155/4-125A	RCA	36.00
E1	6156/4-250A	RCA	46.50
E1	6159	RCA	5.00
E1	6186 6AG5 WA *(6AG5)	RCA	3.85
E1	6189 12AU7 WA *(12AU7)	RCA	3.85
E1	6201*(12AT7)	RCA	2.95
E3	6201*(12AT7)	GE	2.95
E4	6211	AMP	2.35
E4	6227	AMP	3.05
E3	6265*(6BH6)	GE	4.10
E4	6267	AMP	1.38
E1	6293	RCA	6.40
E1	6328	RCA	11.90
E1	6417	RCA	2.53
E3	6550†	TUNG	4.95
E1	6626 OA2 WA*(OA2)	RCA	4.45
E1	6660/6BA6	RCA	1.01
E1	6661/6BH6	RCA	1.32
E1	6662/6BJ6	RCA	1.26
E1	6678 6U8A	RCA	1.57
E1	6679/12AT7	RCA	1.46
E3	6679/12AT7	GE	1.50
E1	6680/12AU7	RCA	1.19
E1	6681/12AX7	RCA	1.22
E1	6883	RCA	5.00
E3	7025†	MULL	1.40
E1	7034/4X150A	RCA	25.00
E1	7035/4X150D	RCA	27.90
E1	7189†	RCA	2.43
E3	7189†	MULL	1.56
E1	7203/4CX250B	RCA	46.25
E1	7204/4CX250F	RCA	46.25
E1	7212	RCA	8.40
E1	7224	RCA	9.15
E1	7270	RCA	19.70
E1	7271	RCA	19.70
E1	7357	RCA	9.15
E1	7358	RCA	10.30
E1	7412	RCA	2.15
E1	7467	RCA	9.00
E1	7533	RCA	13.00
E1	7536	RCA	2.15
E1	7551	RCA	3.50
E1	7558	RCA	3.50

Test Leads, Prods, Glow Testers and Meters



H. H. SMITH TEST LEADS

A Type 610 Test Lead Kit. Contains one pair of test leads—one red, other black. One end is solderless phone tip test prod, other end has insulated banana plugs. Handles are molded tenite, 4" long, ⅜" outer diameter. Kit includes two each of the following fittings: Phone tips; alligator clips; and spade lugs. 50" kinkless wire. Shpg. wt., 4 oz.
42 N 261. NET......................1.76

A Type 600 Solderless Tip Test Leads. Two molded tenite prods, each 4" long, with ⅜" outer diameter. Solderless pointed phone tips are nickel-plated brass. One prod red, other black. Supplied with extra-flexible, rubber covered kinkless wire, 50" long, one red, one black. Identical to Type 610 kit above, less fittings. Shpg. wt., 4 oz.
42 N 262. NET PER PAIR...........85c

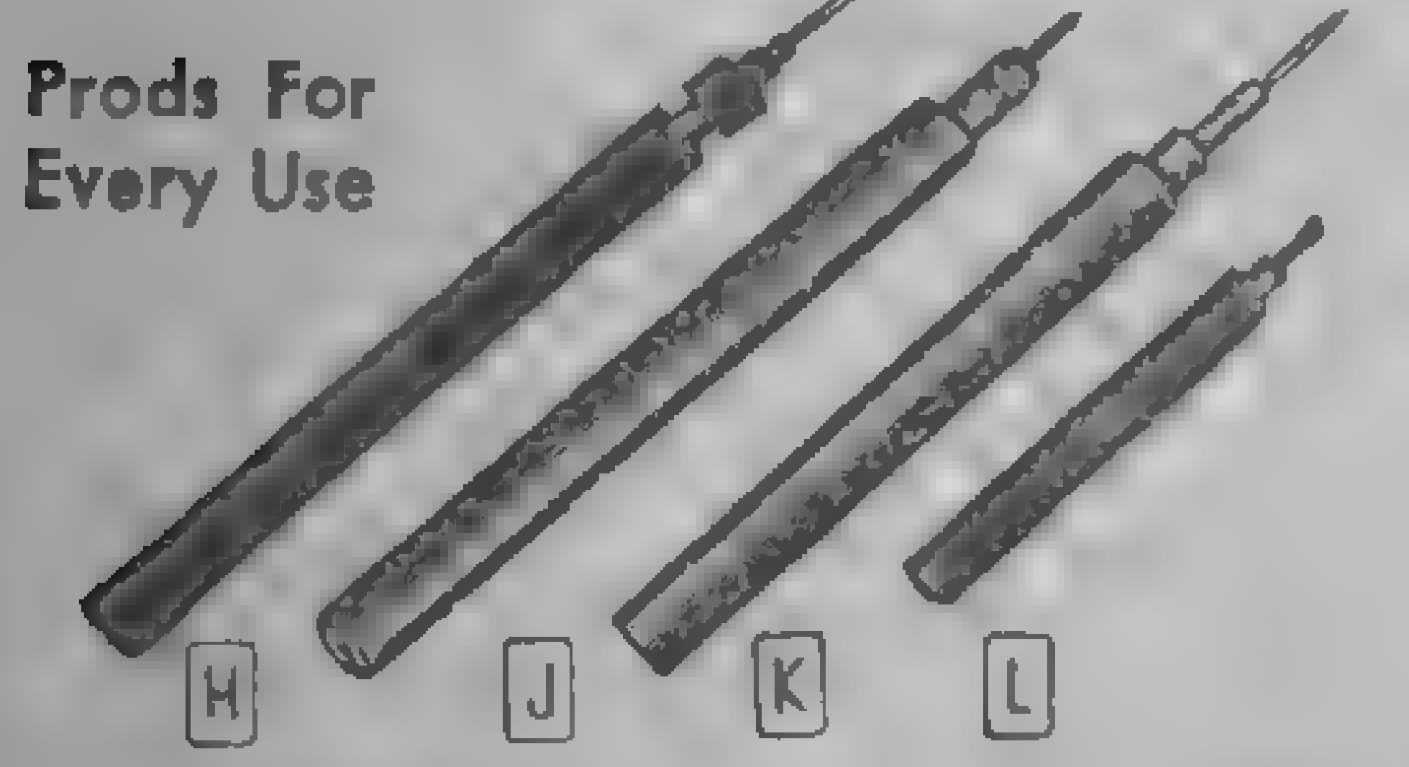
A Type 611 Test Lead Kit. Extremely versatile companion kit to Type 610 above. Has all the features, conveniences, and accessories of above unit, except test prods are phono needle tip type. Includes one pair of test leads, one red, one black. Standard fittings prepare you for virtually every servicing situation. Shpg. wt., 4 oz.
42 N 263. NET......................1.76

B Type 698 Slim Jim Test Leads. Durable 4" molded tenite handle, ⅜" outer diameter. Extra-long 3½" tip allows you to reach hard-to-get-at places. Tip insulated with vinyl spaghetti tubing. Angle phone tips on meter end are sturdy molded bakelite. Brass tips, nickel-plated. Shpg. wt., 4 oz.
42 N 264. NET PER PAIR...........1.12

F Type 622 High-Tension Test Leads. One red, one black heavy-duty lead with fiber prod handle and plug. Handle is 5" long with ⅜" outer diameter. Plug is 1" long, ⅜" outer diameter. Insulated alligator clips on meter end. Finger guards on handles. Brass, nickel-plated tip. Shpg. wt., 4 oz.
42 N 266. NET PER PAIR.........2.35

H. H. SMITH TEST PRODS

Prods For
Every Use



H Type 302 Solderless Test Prod. Threaded prod with 4" long plastic handle, ⅜" outer diameter. Nickel-plated phone tip. Wire fits through handle and body of plug, wraps around screw portion. Wire secured by knurled collar. Available in choice of two colors—red or black. Shpg. wt., 4 oz.
42 N 110. Red. **NET**
42 N 111. Black. **EACH**..........29c

H Type 323 Solderless Fiber Test Prod. Has 5¼" bone fiber handle with extra large ¼" inside diameter for heavy-duty wire. Body is nickel-plated brass. Wire fits through handle and body of plug, then wraps around screw portion. Secured by knurled collar. Wt., 4 oz.
42 N 258. Red. **NET**
42 N 259. Black. **EACH**..............29c

J Type 318 Phono Needle Test Prod. Brass, nickel-plated body with steel, nickel-plated phono-type needle. Has removable chuck for replacing broken needles. Needle pierces plating or corrosion to insure positive readings. Molded plastic handle, overall length 6 5/16" long, ⅜" outer diameter. Shpg. wt., 3 oz.
42 N 373. Red. **NET**
42 N 374. Black. **EACH**.............32c

K Type 329 Heavy-Duty Test Prod. Threaded type with extra-sturdy brass, nickel-plated tip. Molded plastic handle, overall length 6 11/16" long, ⅜" outer diameter. Fits standard phone tip jacks. Shpg. wt., 3 oz.
42 N 375. Red. **NET**
42 N 376. Black. **EACH**.............32c

L Type 322 Sub-Miniature Test Prod. Bone fiber handle with brass, nickel-plated tip. Tip only ¼"—ideal for checking sub-miniature equipment. Shpg. wt., 3 oz.
42 N 256. Red. **NET**
42 N 257. Black. **EACH**.............24c

G-C TEST LEADS

C Type 9301 Stretch Leads. No-kink-no-tangle test leads. 9" coil extends to 6 feet. 6" Tenite prod handles. Pointed phone tips both ends. Shpg. wt., 4 oz.
42 N 355. NET PER PAIR..........2.91

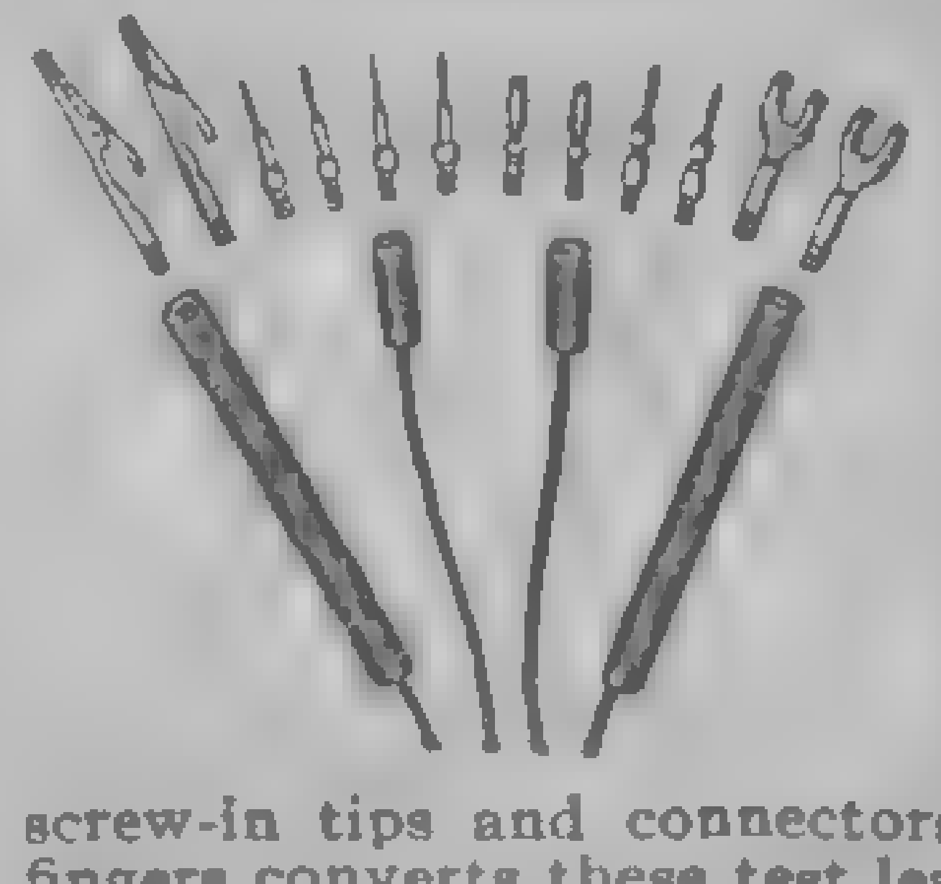
D Type 8459 6000-v. Insulation. 6" durable Tenite prods with pointed phone tips. Angle phone tips on connector ends. 50" leads. Shpg. wt., 4 oz.
42 N 358. NET PER PAIR..........1.23

Type 8461 Needle-Tipped, Insulation-Piercing. (Not illus.) Prods have needle type chuck and needle points for piercing insulation. All metal connector ends. Shpg. wt., 4 oz.
42 N 359. NET PER PAIR...........1.15

Type 8462. (Not illustrated). Same as Type 8459 above but equipped with angle phone tips on connector ends instead of the pointed phone tips. Shpg. wt., 4 oz.
42 N 360. NET PER PAIR..........1.32

E Type 9190 Slender Pencil. 5" long test prods made of durable Tenite with 50" kinkless leads. Have pointed phone tips on prod end; heavy-duty phone tips on connector end. Shpg. wt., 4 oz.
42 N 356. NET PER PAIR..........88c

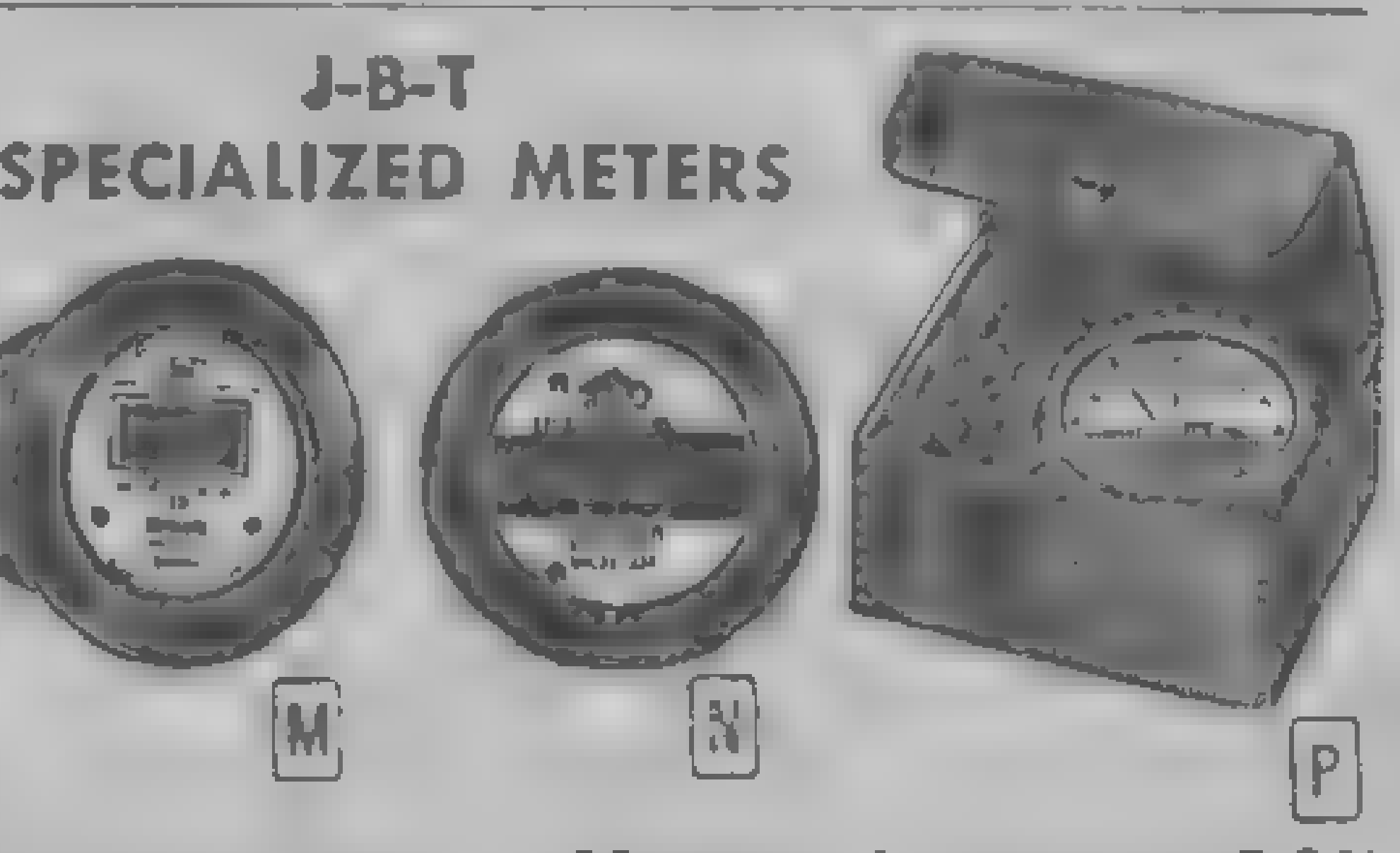
H. H. SMITH TEST LEAD KIT



Type 699. Highly versatile universal test lead kit. Includes a pair of 54¾" leads and twelve interchangeable testing tips and connectors. Plastic handles at each end of test leads have threaded receptacles carefully cut to fit screw-in tips and connectors. A twist of the fingers converts these test leads to handle virtually any servicing job.

Attachments include: 4 phone tips, 2 alligator clips, 2 needle tips, 2 banana plugs, and 2 spade lugs. All connectors and tips are quickly, easily interchangeable, fit prod handle or tip handle. An excellent set for the serviceman, Amateur and experimenter. Shpg. wt., 5 oz.
42 N 408. List, $4.00. **NET**..........2.35

J-B-T
SPECIALIZED METERS



M AC Frequency Meters. Accuracy ±0.3% at 70°F. Flange, 3½"; body dia., 2 11/16"; depth, 2 23/32". For 110-130 volts.

Model 34-FX. Range: 56-64 cycles. Freq. in 1-cycle steps. Shpg. wt., 12 oz.
66 F 685. NET......................27.25

Model 33-FX. Range: 380-420 cycles. Freq. in 5-cycle steps. Shpg. wt., 12 oz.
66 F 694. NET......................34.10

N Model 31-EX Elapsed Time Meter. A self-starting synchronous instrument to record operating time of AC electrical and electronic equipment. Registers in one-tenth hour steps to 9999.9 hours, then automatically resets. Flange, 3½"; mounts in 2¾" dia. hole; depth, 3 7/32". For operation from 100-120 v., 60 cycle AC. Shpg. wt., 1¼ lbs.
66 F 689. NET......................15.95

P Model 23-JP-1 Temperature Meter. This high-accuracy, portable pyrometer is an extremely valuable aid in testing and adjusting thermostats in ovens and other appliances. 2⅜" scale reads from 0 to 650°F. in 10° divisions. Black metal panel. With 5½-ft. calibrated thermocouple, clip, convection shield, pocket-sized leather case. 4½x2¾x4¼". Shpg. wt., 2¼ lbs.
66 F 688. NET......................26.00

F Type 9102 HV Test Leads. 48" lon flexible, heavy-duty, rubber-covered lead ¼" thick. One red, one black. Pointed phon tip prods; alligator clip ends. Special finger-guard prod handles. 5" long. 22,000-vo breakdown at 60 cycles. Shpg. wt., 4 oz.
42 N 352. NET PER PAIR.........3.5

KLIPZON TEST PRODS AND LEADS

G Prods equipped with clip-tip which holds o to wire, lug, etc.; leaving both hands free 4¾" handles. 4' leads. Av. wt., 4 oz.

Stock No.	Type	Description	PR
42 N 362	5608	Klipzon tips both ends	2.0
42 N 363	5609	Klipzon tips and plain phone tip connectors	1.6
42 N 364	5610	Klipzon phone tip prods; banana plug connectors.	2.0

KLIPZON JUMPER LEADS

(Not ill.) 2 wire leads with Klipzon phone-ti mini-prods at each end. Av. shpg. wt., 4 oz.

Stock No.	Type	Color	Length	PER PAI
42 N 369	5634	Red	12"	.68
42 N 370	5635	Black	12"	.68
42 N 371	5636	Red	24"	1.15
42 N 372	5637	Black	24"	1.15

G-C TEST PRODS AND CONNECTOR

R Type 783 Connecto Molded-plast angle phone tips for tes leads. Solderless "Trigger-Quick" lamps for sure connections. 1-red and 1-black. Shpg. wt., 2 oz.
42 N 405. NET PER PAIR..........70

S Type 5621 Self-Gripping Tips. Clip t any terminal, lug, etc. Needle points f piercing insulation. Solderless connection inside 1¼" plastic handle. Shpg. wt., 2 oz.
42 N 271. Red. **NET**
42 N 272. Black. **EACH**.............35

S Type 5623 Mini-Prod Adapter Tips. F over standard test points or phono need types. Convert to self-gripping types with insert supplied. Shpg. wt., 2 oz.
50 N 159. Red. **NET**
50 N 160. Black. **EACH**.............38

HANDY GLOW TESTERS

G-C NEO-O-LITE

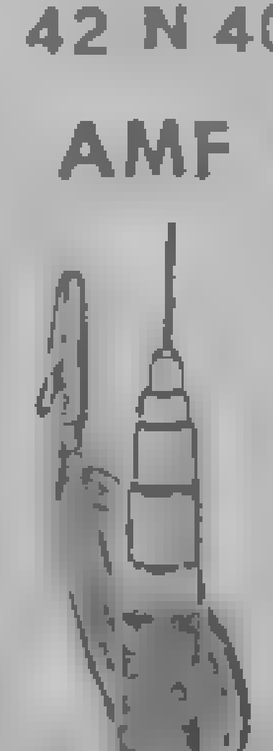
Convenient, versatile neon glow type tester. Indicates voltages from 60 v. AC and 90 v. DC to 500 v. AC-DC. Excellent for finding "hot" AC leads, checking fuses and spark plugs, appliance repair, etc. Neon bulb is mounted in insulating holder. 5" insulated leads with phone tip ends. Ideal for servicemen, experimenters, Amateurs. Shpg. wt., 3 oz.
78 N 055. NET EACH....................44
10 or More, EACH.......................39

SITTLER LOW-VOLTAGE TESTER

Type T202. Extremely handy low voltage tester. Indicates voltages from 5 volts to 50 volts AC-DC. Useful for testing low-voltage circuits in automobiles, telephones, batteries, radio and TV filament circuits, etc. Uses incandescent lamp. Has red and yellow leads with alligator clips for easy identification and use. Applications everywhere. Shpg. wt., 3 oz.
42 N 406. NET EACH....................99

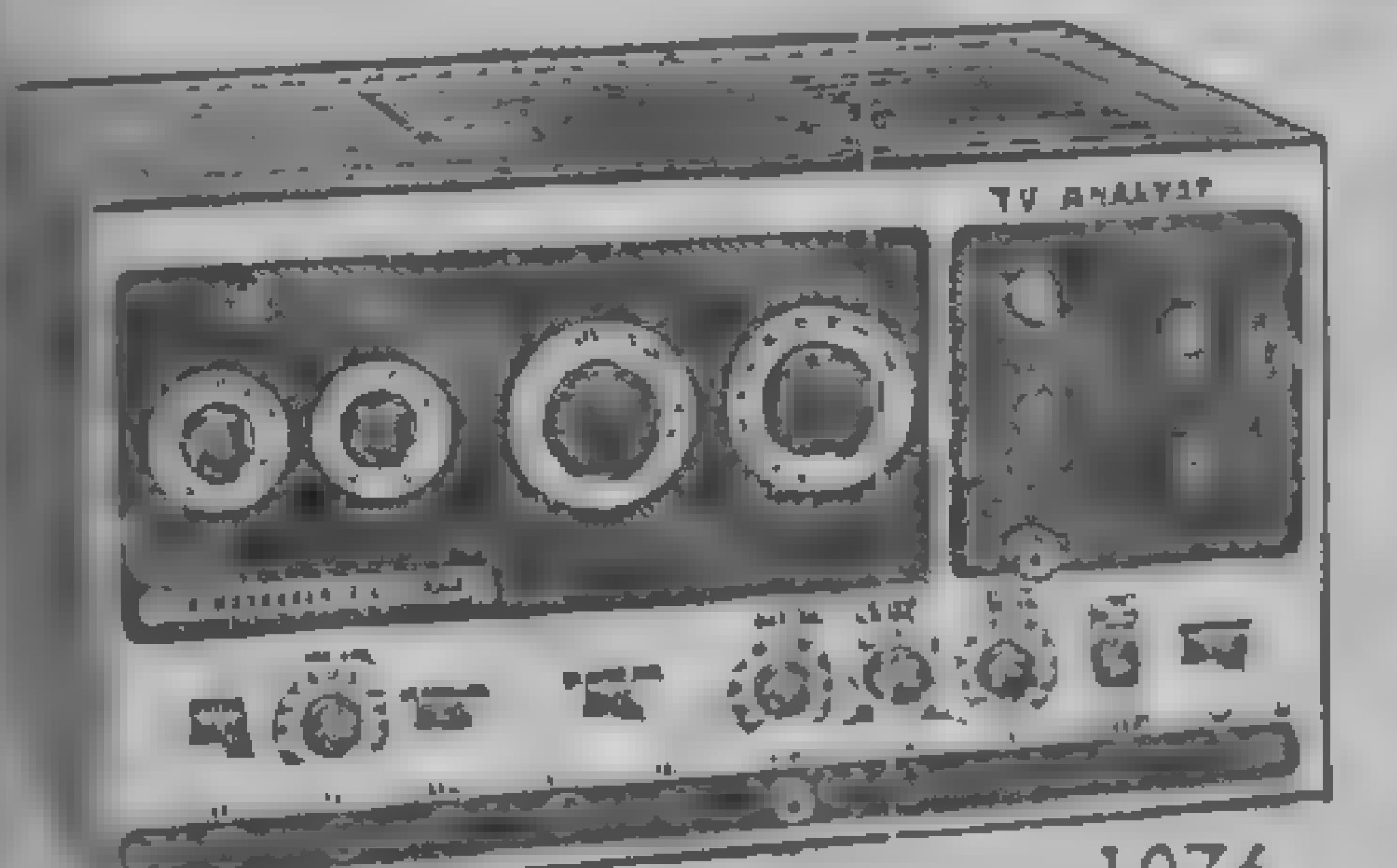
Type T203. Similar to above, but tests 2½ t 24 v. AC-DC.
42 N 407. NET EACH...................99

AMF PRO-GLO CONTINUITY TESTER



New, easy-to-use, glow-type tester checks continuity, shorts, grounds a open circuits in switches, relays, fuses thermostats, etc. A handy addition any tool box. Dim light indicates po connection—no light when resistan exceeds 2 ohms. For dead circuits onl Overall length, 5½". Dia., ¾". Wi bulb; less Type AA penlight cell. Sh wt., 2 oz.
78 N 052. NET.................99

NEW! MODEL 1076 TELEVISION ANALYST



1076

- Generates Test Patterns in Color or Black and White
- Injects RF, IF, Video, Audio
- Checks Sync and Sweep Stages

New, highly versatile TV servicing aid—combines miniature TV transmitter with famous "Dyna-Sweep" circuit analyzer in one easy-to-use unit. Also features: AGC keying pulse for trouble-shooting gated AGC systems; negative bias supply for sync overload and AGC difficulties; high-level video signal for directly modulating CRTs.

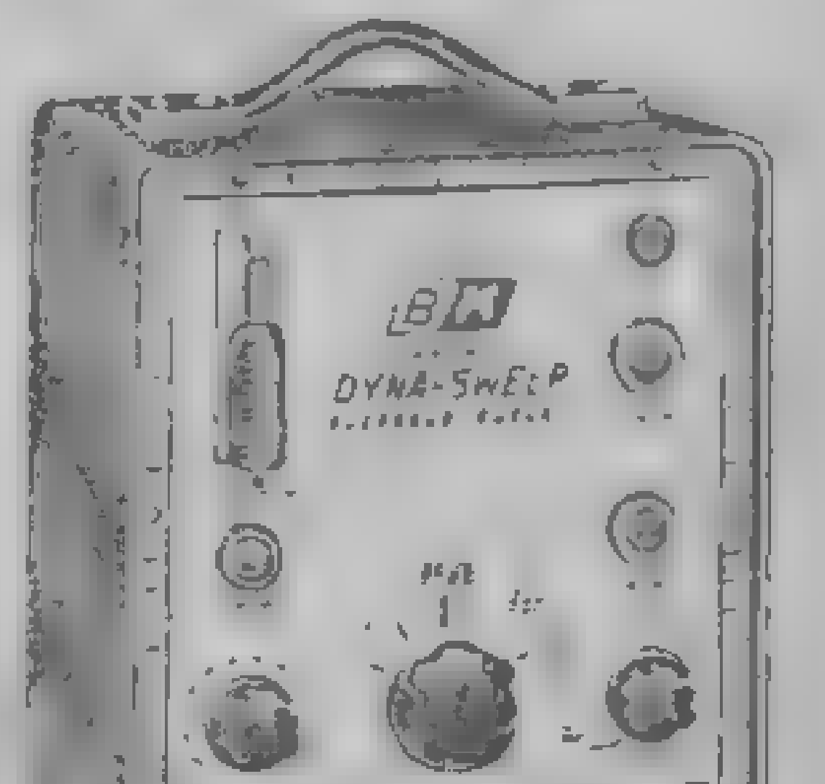
The signal-generator section injects RF, IF, video or audio signal into TV set for fast location of defective stage. Switch-type tuner insures rapid channel selection. Slide transparencies provide standard test, cross-hatch, white-dot patterns—also "rainbow" and bar patterns for color sets. Patterns for adjusting linearity, sensitivity, AGC bandwidth, resolution, size, etc. patterns are for adjusting convergence, demodulators, etc. RF and IF signals are video and audio-modulated; positive negative video signal. Horizontal and vertical drive pulses. 4.5-mc sound channel; cycle tone generator. For channels 2-13; 45 mc IF range.

"Dyna-Sweep" section injects horizontal and vertical sync pulses and grid and plate drive signals into output transformers. Checks flybacks and yokes for leakage, shorts, etc. Automatic B+ boost and high-voltage indicators. Vertical yoke test signal. Size, 11x17x9". For 110-120 v., 60 cycle AC. Shpg. wt., 41 lbs.

87 FU 222. *$10 Down.* NET.....**293.95**

DYNA-SWEEP CIRCUIT ANALYZERS

- Solve Knotty Sync Problems
- Check Out Yokes and Flybacks
- Locate Defective Stage or Part



1070/A107

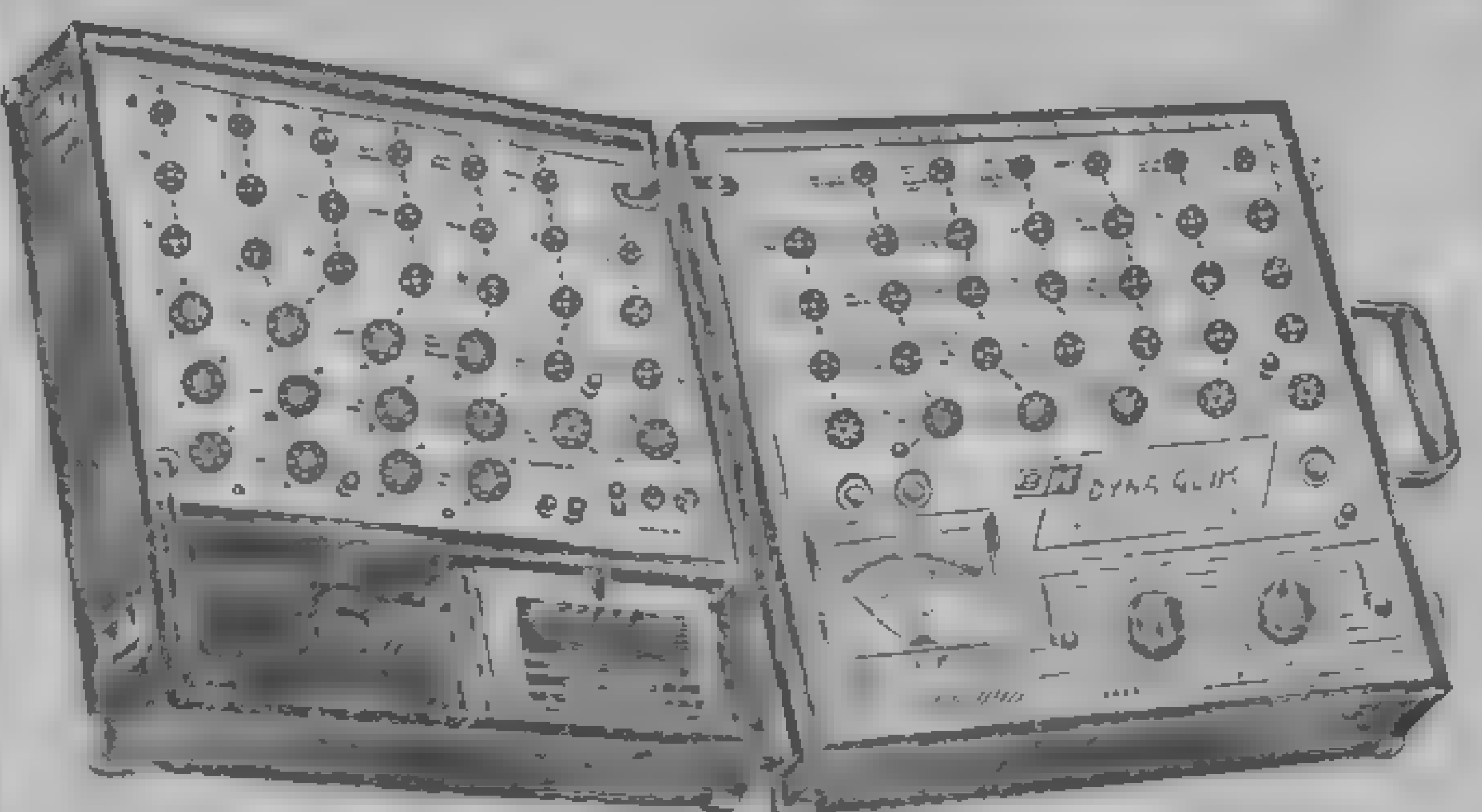
MODEL 1070. A self-contained circuit analyzer designed for trouble-shooting horizontal, vertical and sync problems in TV sets. Injects horizontal and vertical sync pulses, grid and plate drive signals directly into output transformers. Helps isolate trouble to defective part. Checks flyback transformer and yokes for shorted turns, leakage, opens, continuity, etc. Also provides automatic B+ boost, high-voltage indicator, and vertical yoke test signal. Size, 9½x7x5". For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 10 lbs.

87 FU 217. *$5 Down.* NET.......**73.45**

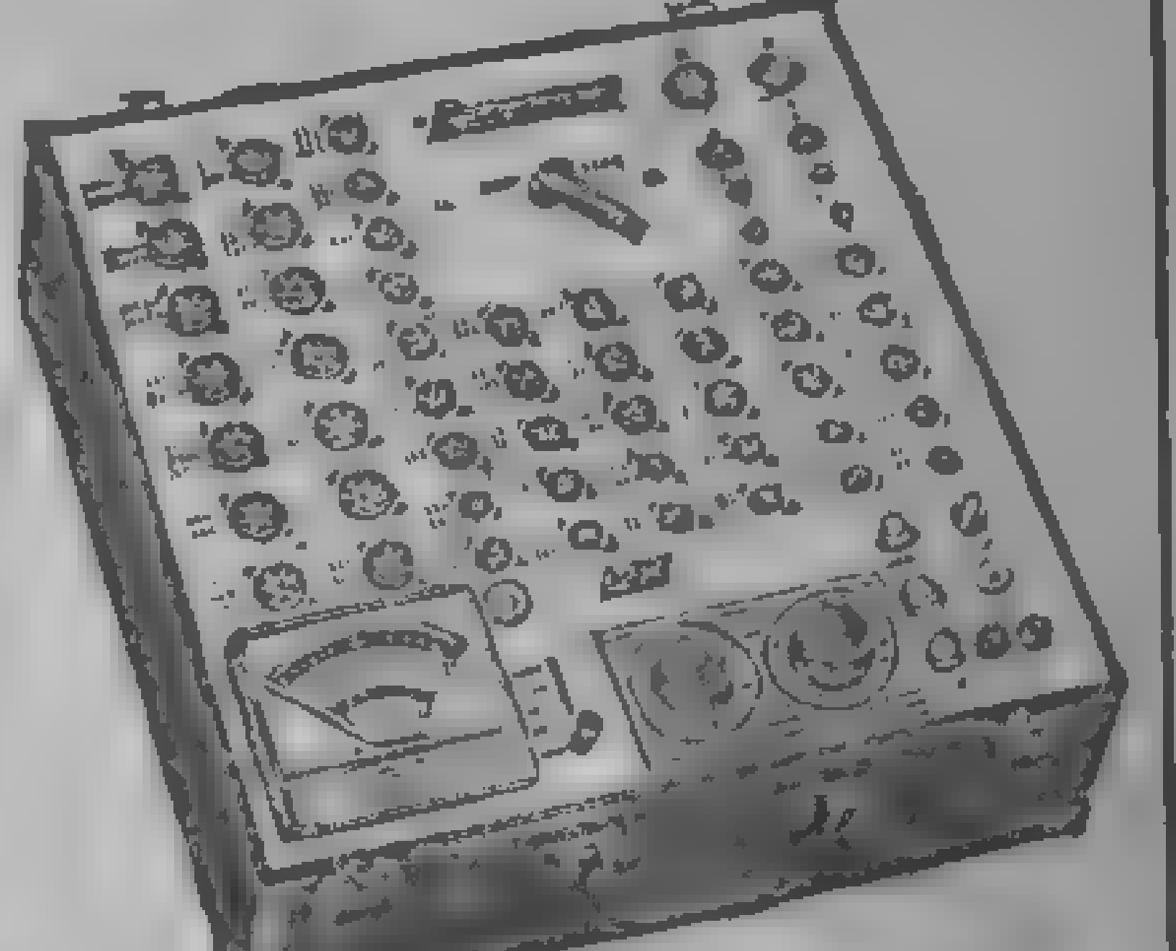
MODEL A107. A companion unit for earlier 1075 Television Analyst. Same as Model 1070 Circuit Analyzer (above), but derives operating signals from Model 1075 to solve TV horizontal, vertical and sync problems. Size, 9½x7x5". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 10 lbs.

87 FU 219. *$5 Down.* NET.........**53.85**

TOP-PERFORMING CHECKERS



650



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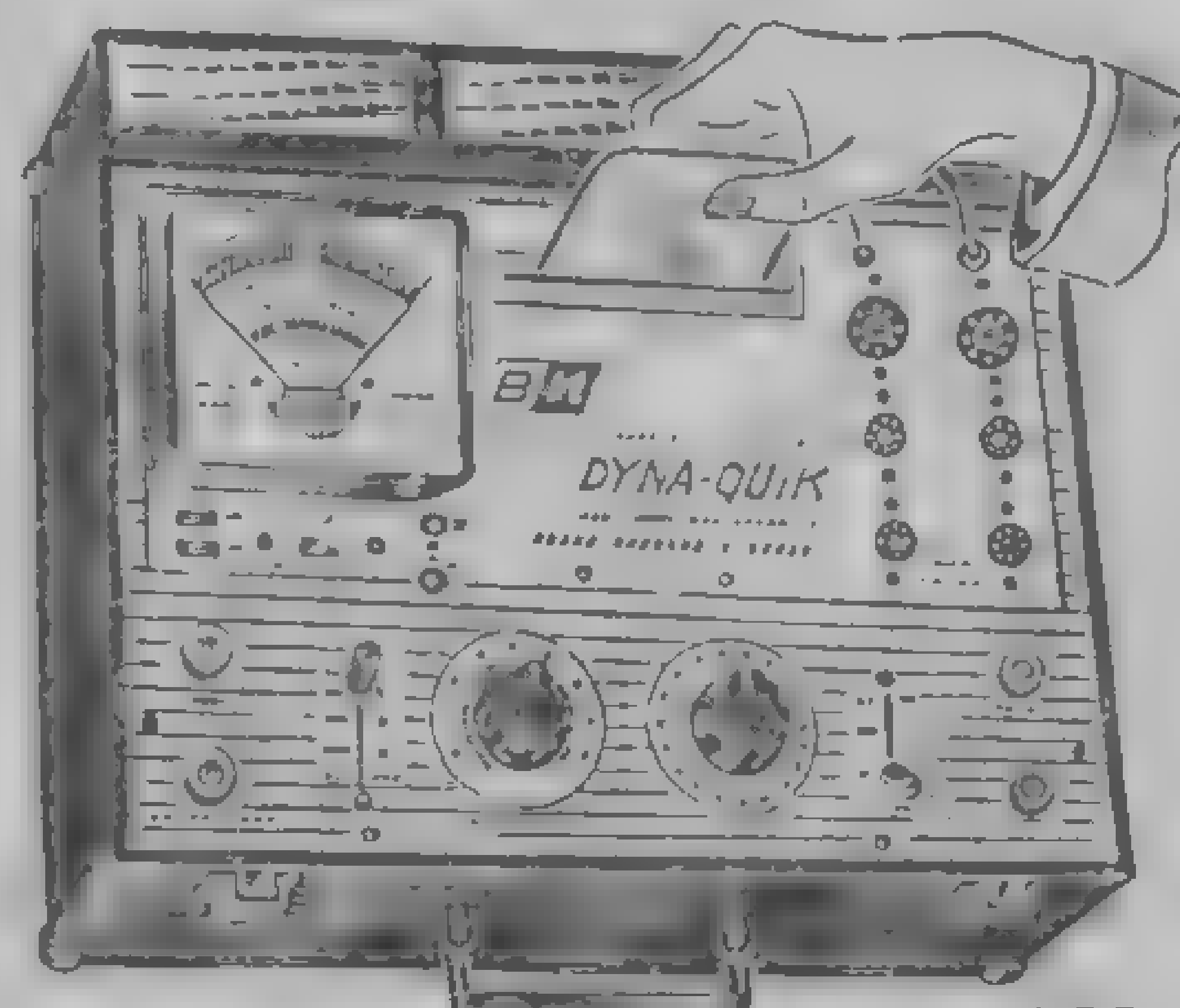

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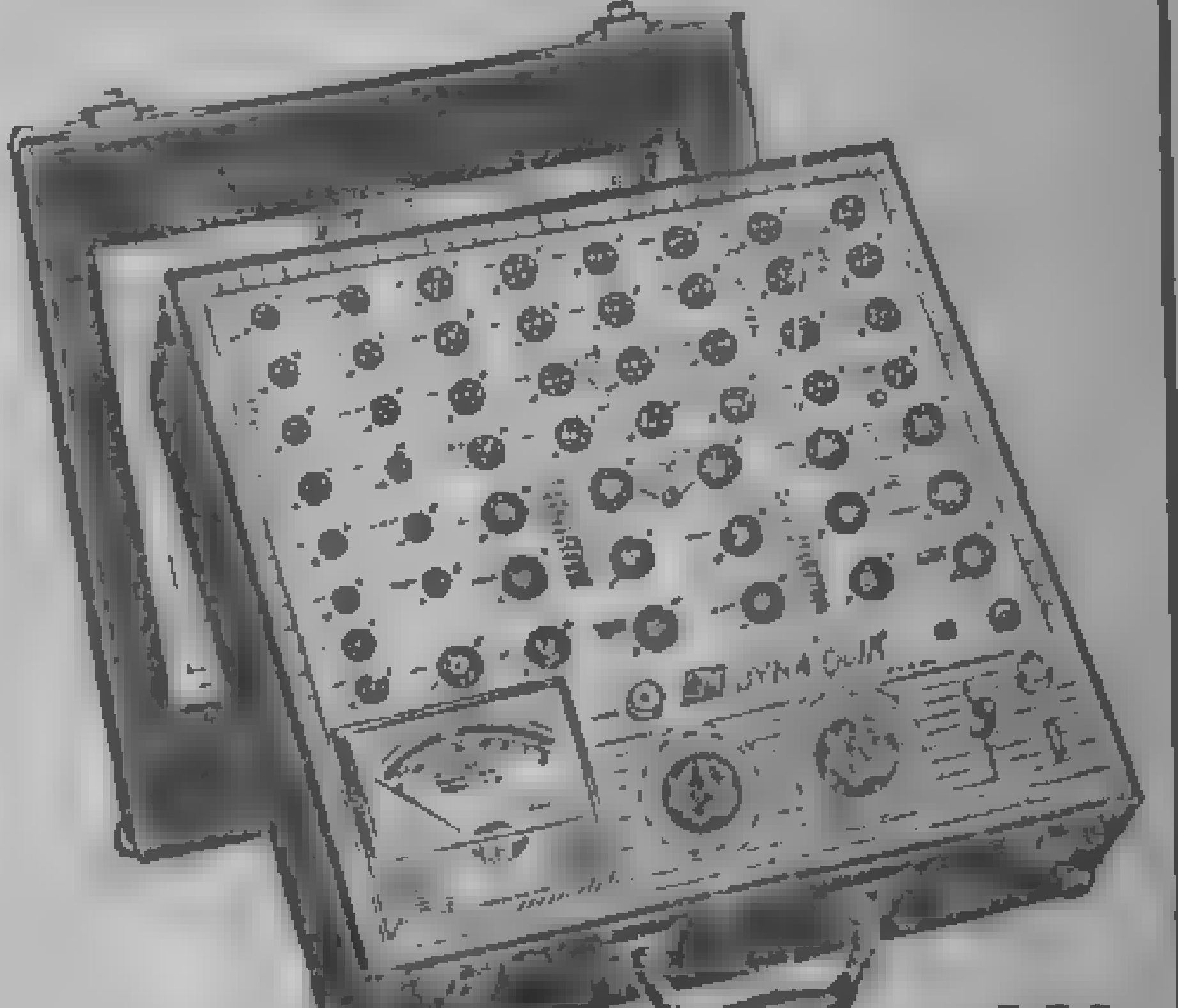


550

MODEL 650 TUBE & TRANSISTOR TESTER

Highly versatile, portable "Dyna-Quik" dynamic mutual conductance tester. Tests transistors and virtually all popular television receiving tubes. Checks each section separately—requires very little switching. 4½" meter has "Good-Bad," 0-6000-18,000 μmhos scales. 7 and 9-pin straighteners and 16 spare sockets on panel. Automatic line compensator. Detects shorts, grid emission, probable tube life, and gas. Tests I_{co} and forward gain ratio of junction, point contact, and barrier transistors; F/B ratio of germanium, silicon and selenium diodes. Separate sockets for NPN and PNP transistors. "Quik-Flip" indexed tube selector. Sturdy carrying case. 15¾x15x6½". For 105-125 v., 60 cycle AC. 22 lbs.

87 FU 280. *$5 Down.* NET.......**176.35**

MODEL 675 AUTOMATIC TESTER

Portable, card-controlled "Dyna-Quik" dynamic mutual conductance tube and transistor checker. Utilizes only 60 cards to test over 500 tube types—over 95% of all popular TV tubes. Easily kept up-to-date by adding new cards. Complete, accurate test in seconds! Tests for shorts, emission, gas and probable life. 4½" meter has "Good-Bad," 0-6000-18,000 μmhos scales. 7 and 9-pin miniature tube straighteners. Automatic line compensation. Tests I_{co} and forward gain ratio of junction, point contact, and barrier transistors. Measures front-to-back ratio of germanium and silicon diodes and selenium and silicon rectifiers. 15¼x12¼x6". With cards and index. For 105-125 v., 60 cycle AC. 14 lbs.

87 FU 284. *$5 Down.* NET......**166.55**

NEW MODEL 685 TUBE CHECKER

An all-new dynamic mutual conductance tube checker that combines speedy multiple-socket testing with simplified, automatic card selection for new tubes. Accurately tests most TV tubes, many 2-way radio and industrial types, the Nuvistor, etc. Shows Gm, shorts, gas, grid emission and life. Heater continuity check for series filaments. 4½" meter has "Good-Bad" and 0-6000-18,000 μmhos scales. Line-voltage compensator. Panel settings for over 125 popular tubes. 7 and 9-pin straighteners. 17x17x7½". With case, 5 blank cards, hand punch, and tube-card information service. For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 21 lbs.

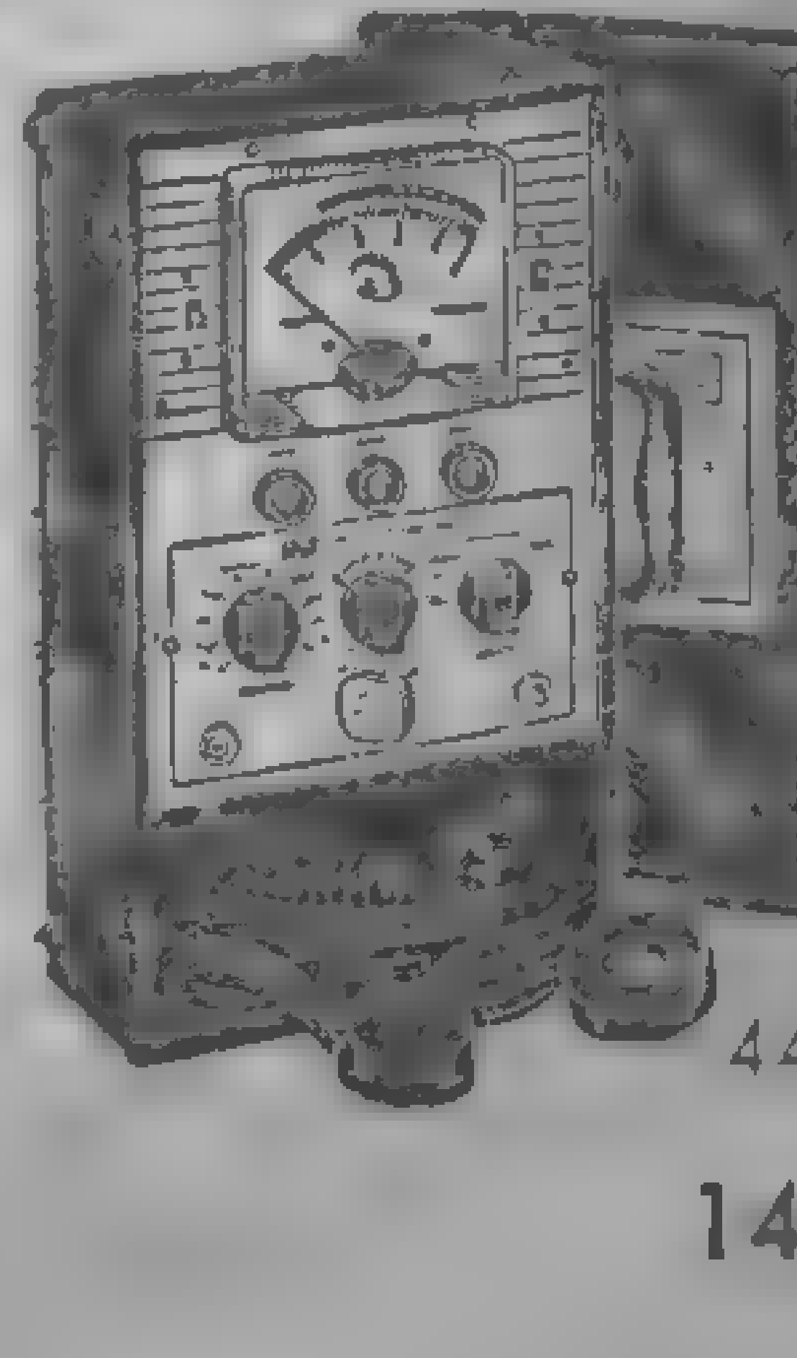
87 FU 223. *$5 Down.* NET. **195.95**

MODEL 550 TUBE TESTER

A moderately-priced, portable, dynamic mutual conductance tube tester. Features fast, accurate testing of most TV receiving tubes. No roll chart or time-consuming selector switches—simply insert tube into proper socket and set heater and sensitivity adjustments. Then flip a switch for grid emission, gas content, shorts and mutual conductance. 4½" meter has "Replace—?—Good," 0-6000-18,000 micromhos scales. Checks tubes under actual operating conditions. Tests each section of dual-section tubes separately. Automatic line voltage compensator. Special lightweight construction permits easy portability. 7 and 9-pin straighteners on panel. Size, 15½x15x6¼". For operation from 105-125 v., 60 cycle AC. Shpg. wt., 14 lbs.

87 FU 220. *$5 Down.* NET **117.55**

FAMOUS MODEL 440 CRT REJUVENATOR-TESTER



440

A proven money-maker, Model 440 quickly checks and rejuvenates color and black-and-white CRTs while still in set. Detects opens, shorts, emission, cut-off voltage. Repairs shorts, opens; restores weak emission. Predicts tube life. Tests all CRTs with 1-to-12 volt filaments including 2.34, 2.68 and 8.4-volt tubes and 110° types. Checks each gun of color CRT separately. Portable leatherette-covered case. 5x7x11¼". For 105-125 v., 60 cycle AC. Shpg. wt., 8½ lbs.

87 FU 218. *$5 Down.* NET..............................**73.45**

MODEL C40 COLOR ADAPTER. Adapts Models 400 and 350 for 110°(6.3-v.) and color tubes. Checks each gun of color CRT. 1 lb.

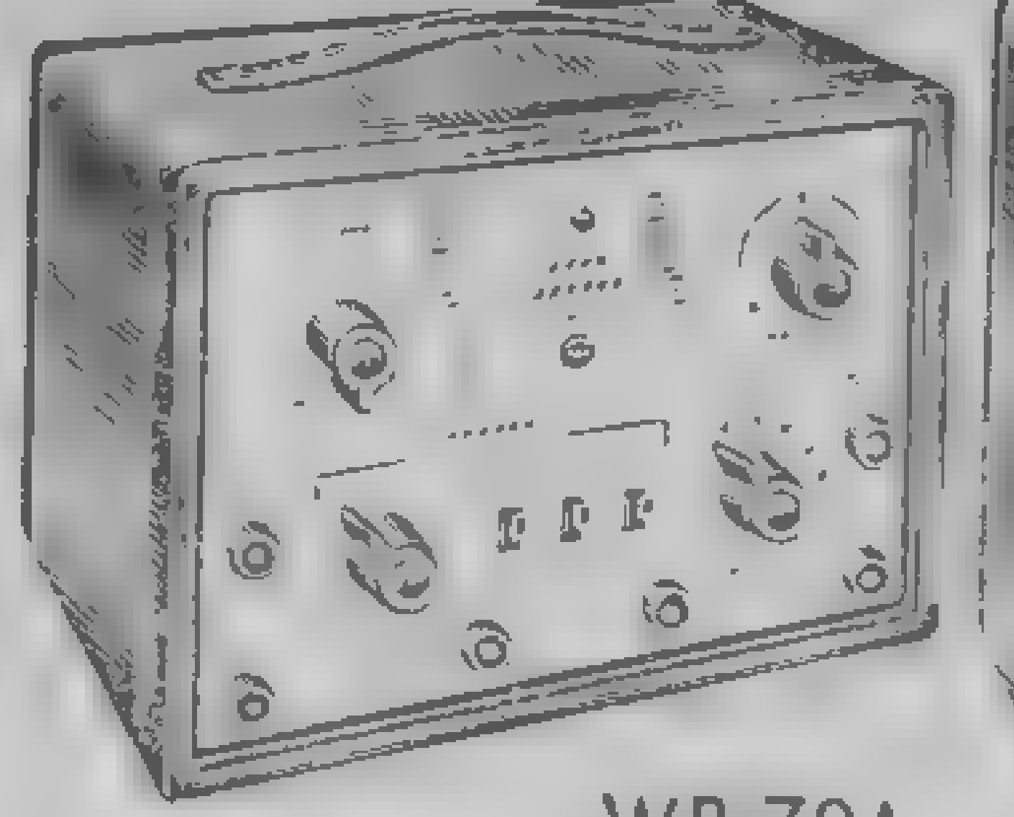
87 F 279. NET..**9.75**

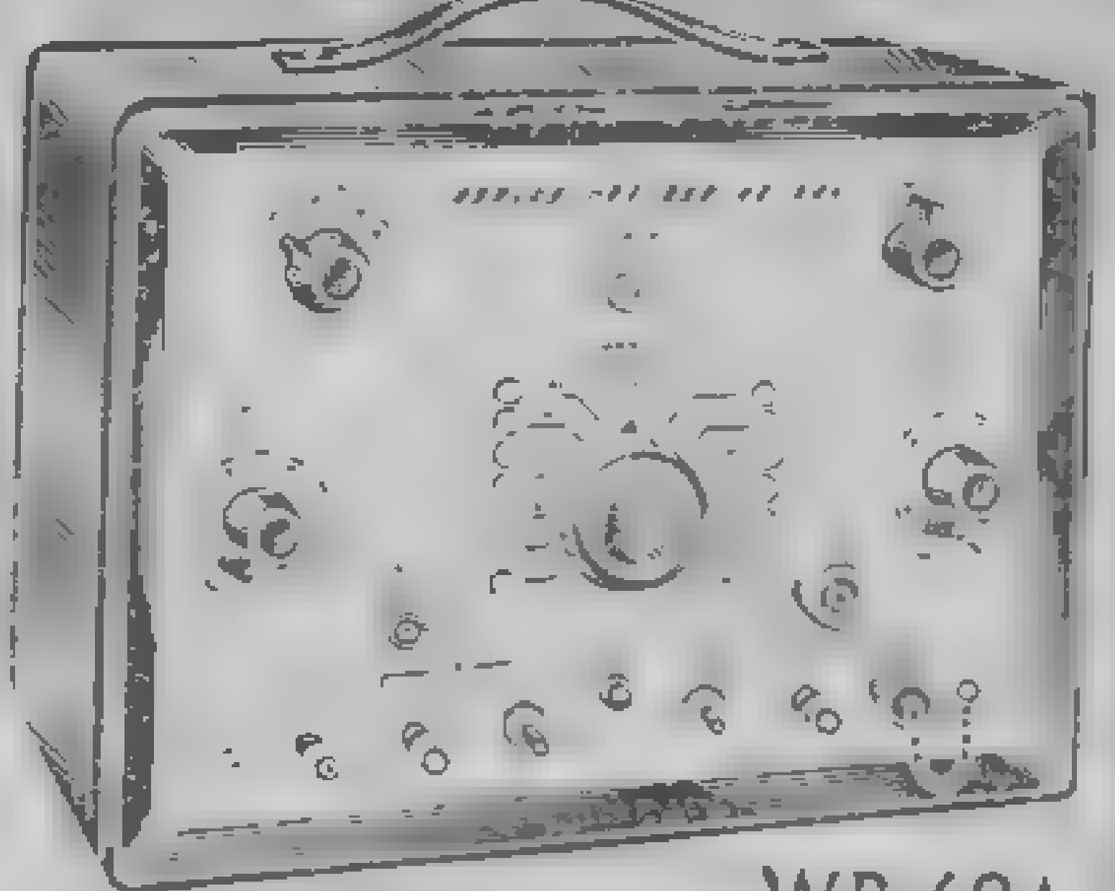
MODEL CR48 ADAPTER. Adapts Models 400 and 350 for 110° tubes with 2.34, 2.68, 8.4-volt filaments. Shpg. wt., 1 lb.

87 F 216. NET..**4.85**

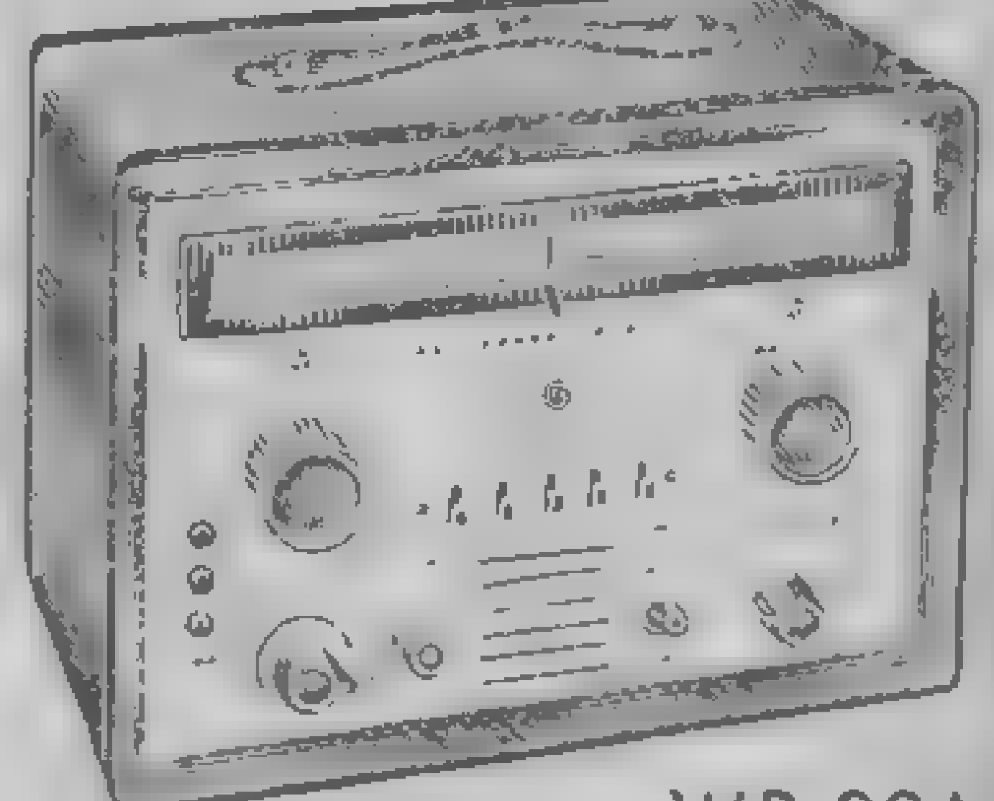
Famous RCA Test Equipment

WT-110A


•WR-70A

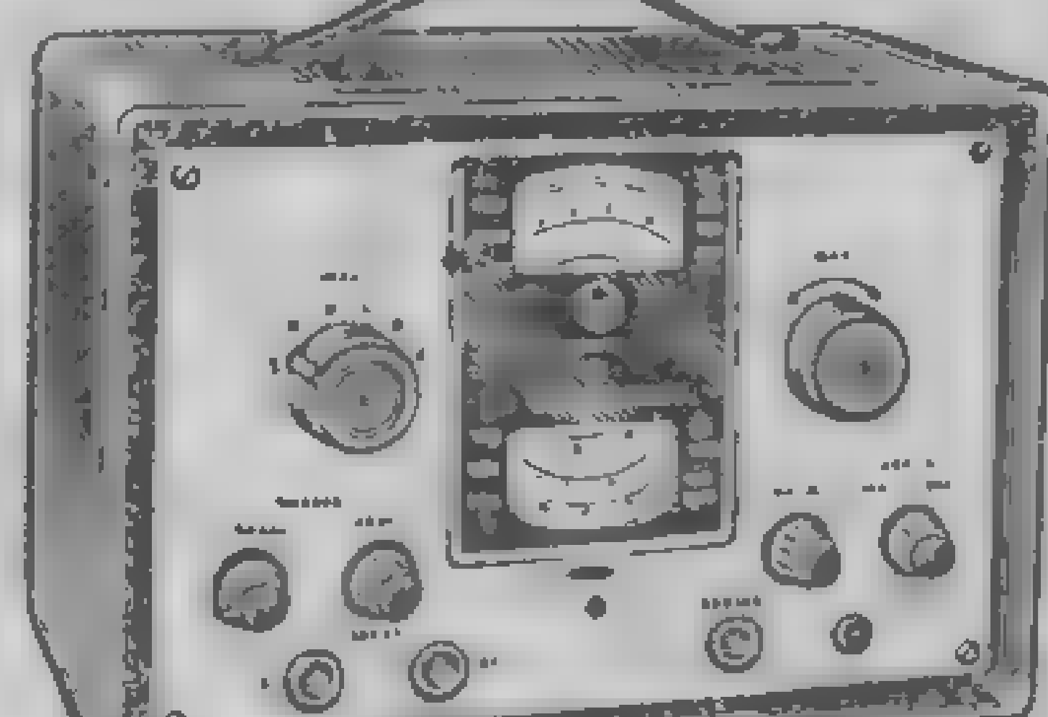

WR-69A

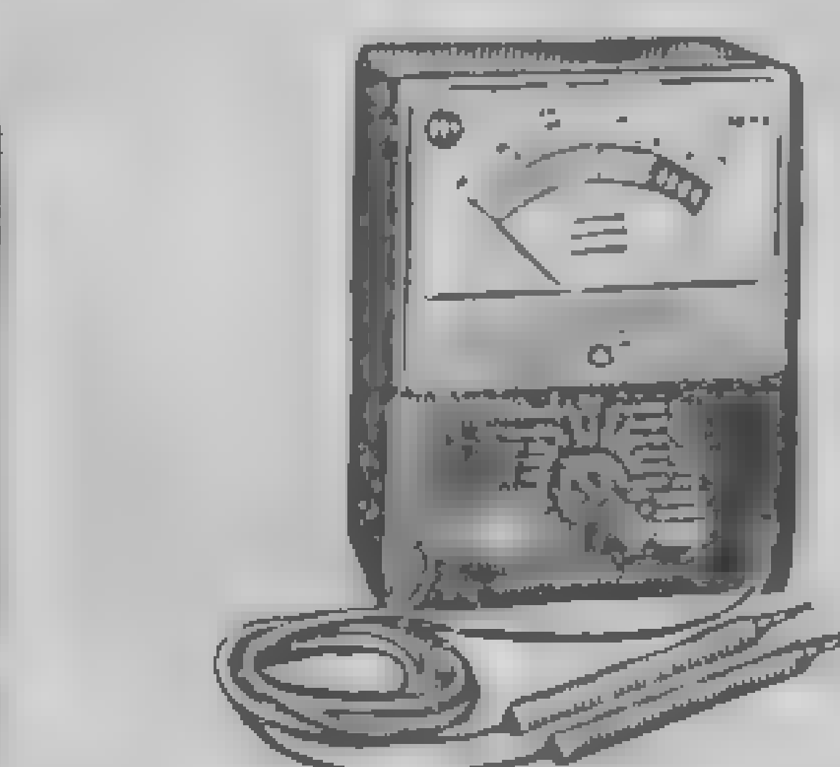
Famous For Quality


WR-99A

Excellent for aligning all types of electronic gear . . . Ideal for color TV

- Crystal Calibrated
- Covers 19-260 Mc


WR-49B


WV-37B

WT-110A AUTOMATIC TUBE TESTER

For testing receiving tubes. Saves valuable time—simply insert pre-punched card into tester! Tests transconductance, gas, shorts and twin-tube balance. Meter registers "RENEW—?—GOOD." Two gold-plated printed circuit boards set up a combination of 15 to 20 circuits which provide connections up to 10 pins, 220 combinations of heater voltage. Includes free subscription that supplies new tube card settings. Includes 287 pre-punched vinyl plastic cards. In 7¼x14½x17½" carrying case. With master card for punching blanks, hand punch, 24 blank cards (for replacement or new tube types) and test card. For 105-125 v., 60 cycle AC. Shpg. wt., 30 lbs.
87 FU 075. *$5 Down.* NET.......199.50

WG-324A. Gas tube adapter. Permits testing gas type tubes with Model WT-110A. Shpg. wt., 10 oz.
87 F 088. NET 2.95

WG-325A. 24 blank cards. Wt., 1 lb.
87 F 076. NET 2.25

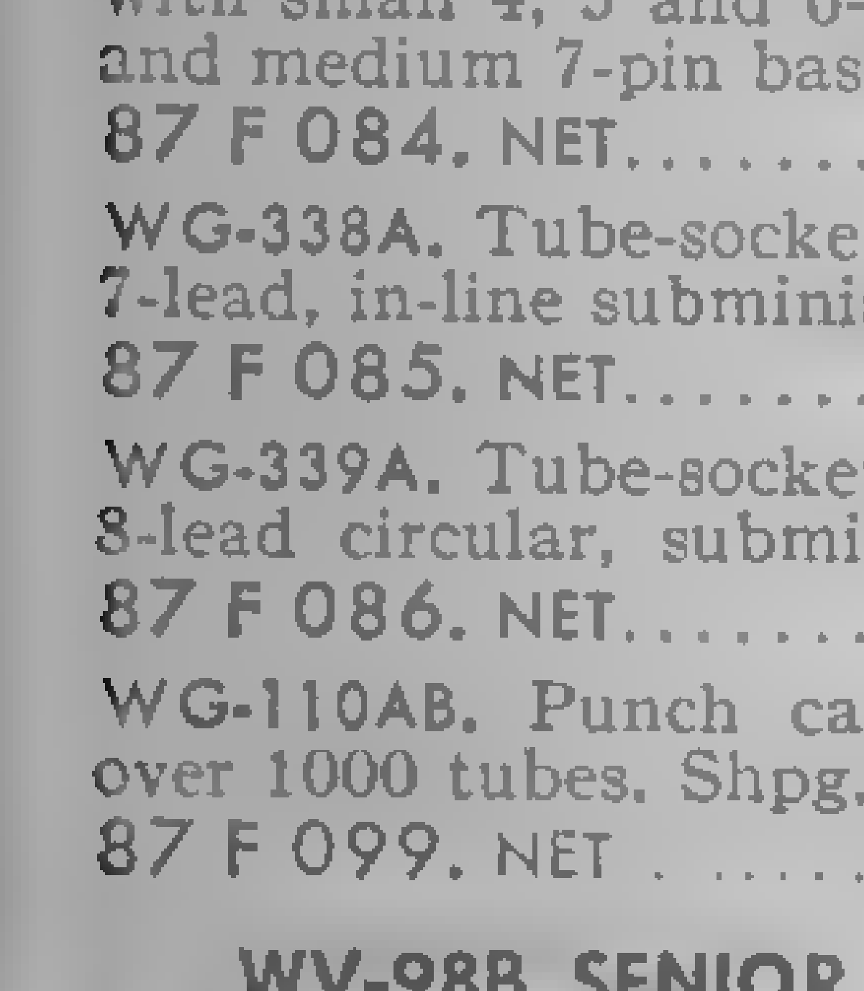
WG-337A. Four adapters—for testing tubes with small 4, 5 and 6-pin bases, and small and medium 7-pin basis. Wt., 5 oz.
87 F 084. NET....................7.95

WG-338A. Tube-socket adapter for testing 7-lead, in-line subminiature tubes. 2 oz.
87 F 085. NET....................2.95

WG-339A. Tube-socket adapter for testing 8-lead circular, subminiature tubes. 2 oz.
87 F 086. NET....................3.50

WG-110AB. Punch card booklet covering over 1000 tubes. Shpg. wt., 6 oz.
87 F 099. NET 1.00

WV-98B SENIOR VOLTOHMYST



- Improved Accuracy of ±3%
- Large 6½" Meter
- 200-Microamp Movement

Includes an outstanding array of "plus" features: easy-reading, zero-center scale; electronic protection against burnout; rugged, 200-microamp meter movement; ±1% multiplier resistors; die-cast aluminum case; etc. Has large 6½" meter with accuracy improved to ±3%. Features single-unit DC-AC-Ohms probe with built-in selector switch. Excellent for measurement of complex TV waveforms—reads peak-to-peak voltages to 4200 volts.

7 ranges for each function. Reads AC rms and DC to 1500 volts. Measures resistance from 0.2 ohms to 1000 megohms. AC input impedance of 0.83 megohm and 70 mmf to 1.5 megohms and 60 mmf. Input resistance on DC is 11 megohms. Size, 6½x7x3¾". With WG-299C probe, and shielded cable. For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt., 7 lbs.
87 F 050. *$5 Down.* NET.........79.50

WR-70A RF-IF-VF MARKER-ADDER

For RF, IF and video sweep-alignment of black-and-white and color TV sets. Four differently shaped markers: positive peak, negative peak, positive and negative peaks (wide band), and positive and negative peaks (narrow band). Use with marker and sweep generators. Marker signal is added after sweep passes through receiver—eliminates distortion of marker or sweep curve. 0-60 db attenuation of IF sweep signal for IF or video alignment. With 4 coax cables for connecting to scope, sweep and marker generators, and input and output circuits of TV receiver under test. Size, 7½x10½x6¼". For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 12 lbs.
87 FU 055. *$5 Down.* NET.......74.50

WR-69A TV-FM SWEEP GENERATOR

This sweep generator provides video, IF and RF test and alignment signals for television channels 2 through 13—plus IF and RF signals for the FM broadcast band. Provides continuous IF coverage from 50 kc to 50 mc. Sweep width, 12 mc, continuously variable. Output flat within 0.1 db per mc of sweep width. Fundamental oscillator output on TV channels; filtered beat-frequency fundamental output on IF/VF range. Output, 0.1 volt rms or better at all frequencies. Incorporates blanking circuit. Size: 10x13¾x7¼". Complete with cables. For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt., 17 lbs.
87 FU 070. *$10 Down.* NET....295.00

WR-49B RF SIGNAL GENERATOR

Covers 85 kc-30 mc in 6 ranges; all on fundamentals. Dial accurate within 1%. Built-in 400-cycle oscillator for internal or external modulation. Attenuator control of RF level; approximate range: 2000 to 1. Cathode-follower type RF output at least 0.05 and 0.01 v. rms at high and low connectors respectively. With cable. 7½x10½x6". For 105-125 v., 50-60 cycle AC. Wt., 10 lbs.
87 FU 079. *$5 Down.* NET.......79.50

OTHER RCA INSTRUMENTS

WG-295C VIDEO MULTIMARKER. Use with sweep generator on black-and-white or color sets. Checks chrominance bandpass filter, I and Q filters. 7 simultaneous, absorption-type markers (mc): 0.5, 1.5, 2.5, 3, 3.58, 4.1, 4.5. 5x2⅜x2½". Shpg. wt., 1 lb.
87 F 054. *$2 Down.* NET.........32.50

WG-307A TV BIAS SUPPLY. Simplifies servicing. Provides three output voltages for RF, IF and AGC adjustable from 0 to 15 volts; 100-volt output for chrominance circuitry. 2½x3x5¼". For 105-125 v., 50-60 cycle AC. Shpg. wt., 2 lbs.
87 F 067. *$2 Down.* NET.........22.50

WG-304B RF MODULATOR. Crystal-type mixer. For use with WR-69A and WR-99A to check TV response from antenna to picture tube. 1⅝x4x2⅛". Wt., 1 lb.
87 F 098. NET....................12.50

WR-99A MARKER-GENERATOR

Crystal-calibrated marker-generator for aligning FM and TV receivers or any other type of electronic equipment operating in the 19-260 mc range. Provides the necessary accuracy for the critical requirements of color TV servicing. Crystal calibrator provides 240 check points for calibration at 1 or 10 mc intervals. Modulation frequencies: 1, 10, 4.5 mc, 600 cycles. Sound and picture carrier markers available simultaneously. Output: 0.1 v. min. rms on all frequencies. Double-shielded oscillator. Size, 10x13¾x7¼". For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 18 lbs.
87 FU 069. *$10 Down.* NET.....242.50

WV-37B BATTERY TESTER

Highly dependable radio-battery tester. Accurately tests virtually all types of tube-portable and transistor-portable radio batteries. Checks each battery under its recommended load condition.

Meter indicates battery condition in terms of "REPLACE-USABLE-GOOD." Extra scale shows percentage of rated output of battery under test. Leads and probes are permanently attached. Size, 6⅞x5¼x3⅛". Shpg. wt., 4 lbs.
87 F 097. *$2 Down.* NET.........24.95

WP-25A TV ISOTAP

(Not illus.) Isolation and autotransformer for checking TV sets at high, medium and low voltage. Selects 105-130 v. input in 5-volt steps. Outputs: 105, 115 and 130 v. @ 500 VA from autoformer winding; 105, 115 and 130 v. @ 275 VA from isolated secondary. Size, 5x5¾x4⅜". For 50-60 cycle AC. With 5-ft. line cord. Wt., 15 lbs.
62 G 516. *$2 Down.* NET........22.00

VTVM & VOM PROBES

WG-289 HV PROBE. Extends DC voltag range of VoltOhmysts (and other VOM' and VTVM's) to 50,000 v. Less multiplier. Shpg. wt., 1 lb.
84 F 077. NET 7.1

MULTIPLIERS. For WG-289 & WG-290. 2 oz
84 F 079. WG-206. 1090 meg. } NET
84 F 083. WG-210. 900 meg. } EA..2.8

WG-211 MULTIPLIER. 495-megohm multiplier resistor for WG-289 and WG-297 probes. Shpg. wt., 2 oz.
87 F 092. NET.....................2.8

WG-297 HV PROBE. For WV-77E VoltOhmyst kit. Same as WG-289 high-voltag probe, above, but has banana plugs. Shpg wt., 1 lb.
87 F 091. NET.....................7.1

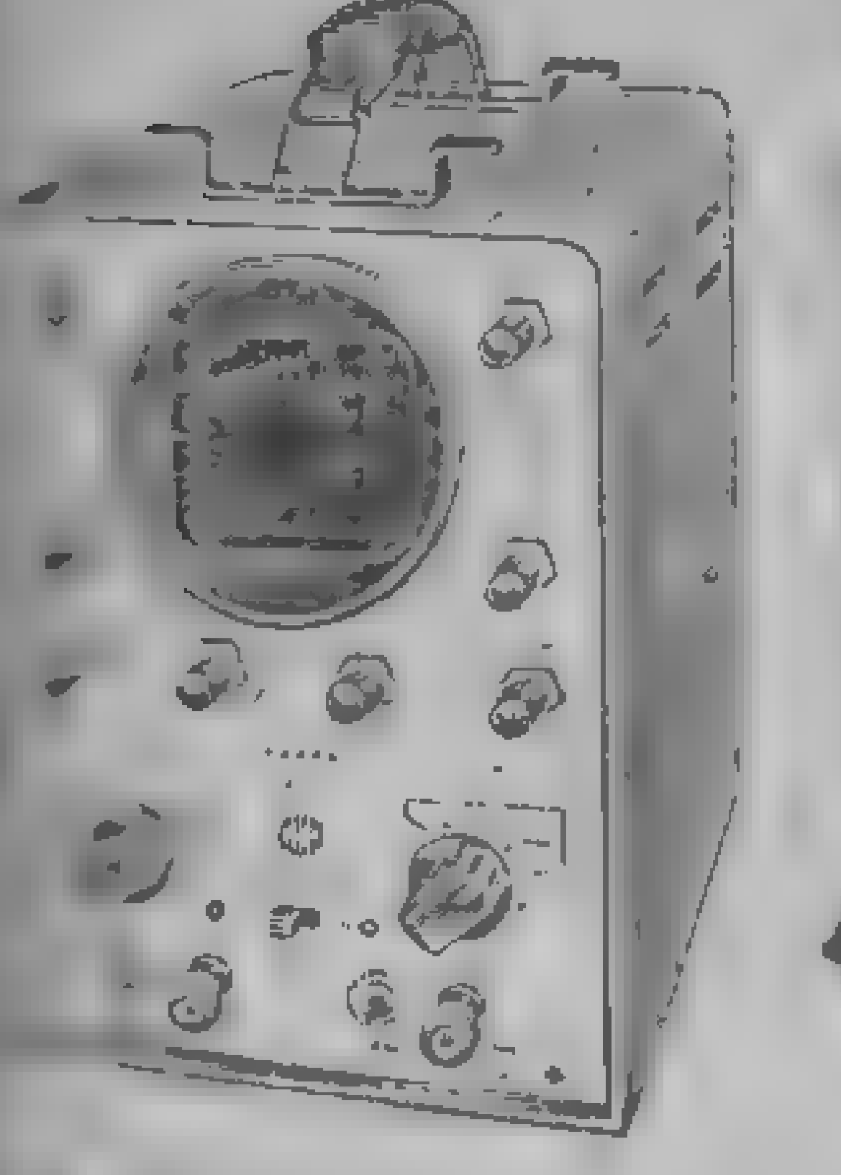
WG-299D DC/AC-OHMS PROBE. Replacement unit for VoltOhmysts. 1 lb.
87 F 077. NET.....................4.9

WG-301A CRYSTAL DIODE PROBE. Slips o WG-299A, B or C. Extends RF to 250 mc Shpg. wt., 8 oz.
87 F 052. NET.....................7.7

RCA, Sprague, Pyramid Test Equipment

RCA TEST INSTRUMENTS—KIT OR WIRED

World-Famous Quality RCA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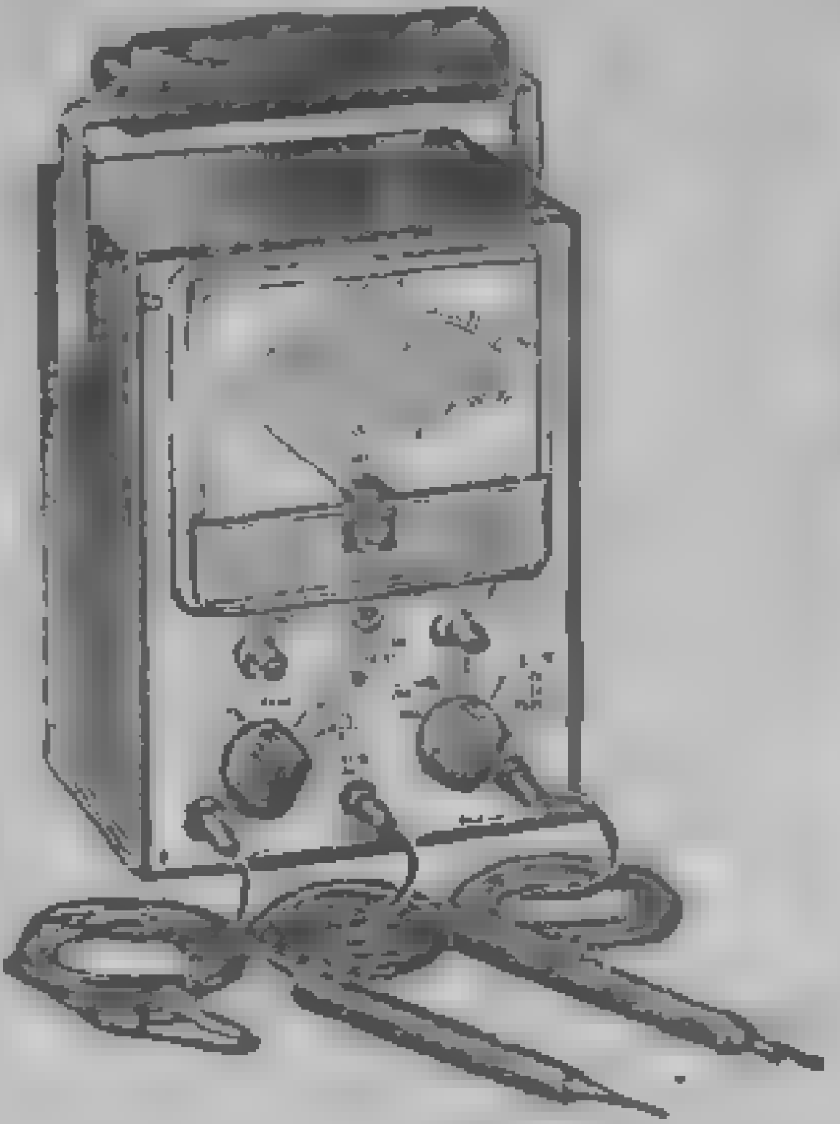
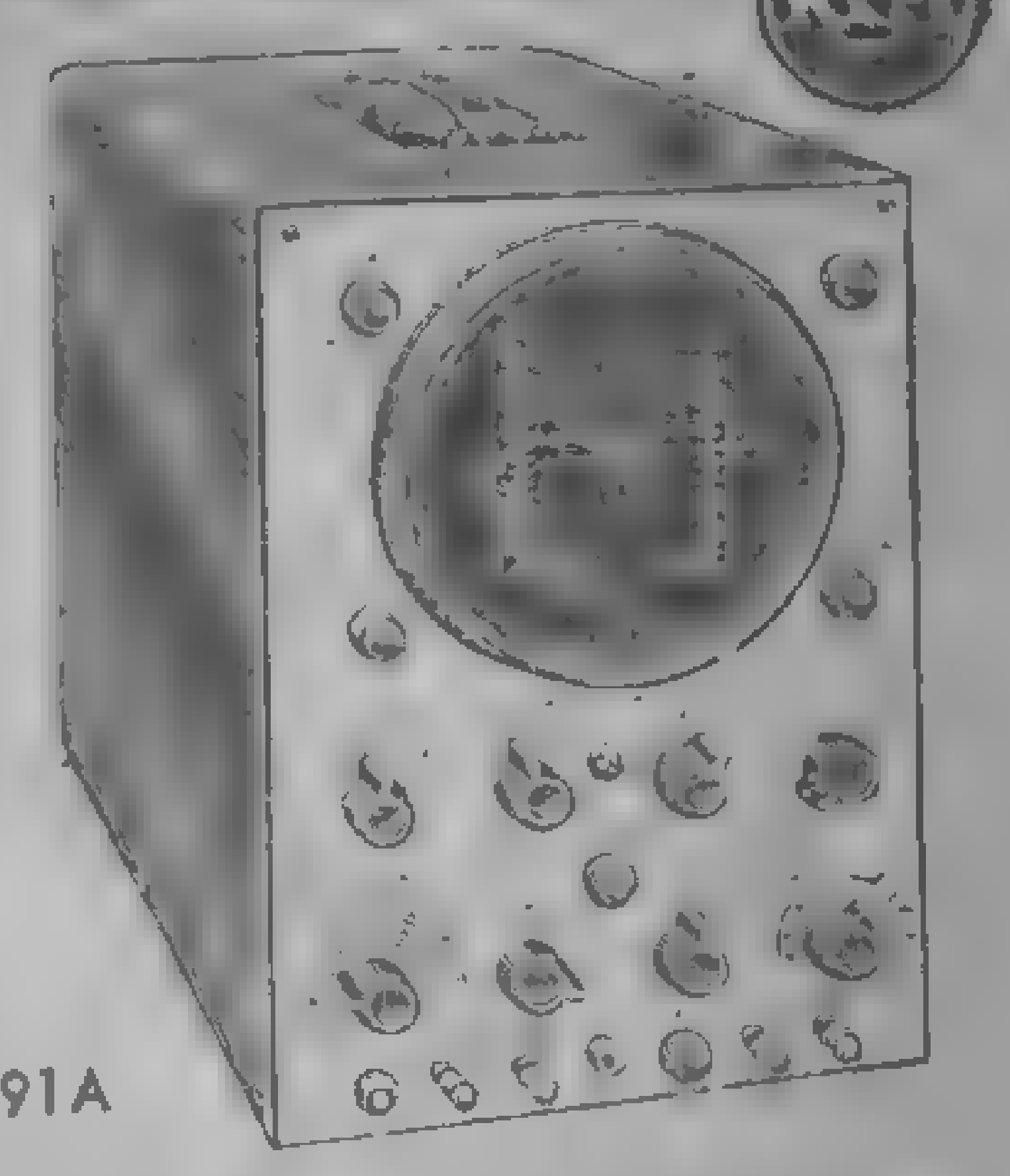

WV-77E

WV-38A

Wideband response for color or black-and-white TV service

- Built-In Voltage Calibrator
- Dual-Band Response
- ±1 db from 10 cps to 4.5 Mc


WO-91A

ODEL WO-33A 3″ OSCILLOSCOPE

-cost, 3″ oscilloscope ideally suited for black and white and color TV servic- Features dual-band response. Wide- provides response from 5.5 cps to 5.5 narrow-band, 20 cps to 150 kc. Built-in to-peak voltage calibrator. Narrow- sensitivity is .02 volt peak-to-peak per (.003 volt rms). Wideband is 0.6 volt -to-peak per inch (0.1 volt rms). Saw- range is 15 cps to 75 kc. Sync circuit ck-in at frequencies as high as 4.5 mc. cal input impedance 90 mmf and 1 meg t, 50 mmf and 1 meg at panel connec- 10 mmf and 10 megs in low-capacity on. 3AQP1 CRT. 8¾x6½x10¼″. For ation from 105-125 v., 50-60 cycle AC. wt., 15 lbs.
FU 093. *$5 Down.* NET.......**129.95**

EL WO-33A(K). Same as above, but in form. Complete instructions included. wt., 15 lbs.
FU 094. *$5 Down.* NET.......**79.95**

MODEL WV-77E JR. VTVM

Latest version of this time-tested VTVM—at an exceptionally low price. Features a fuse-protected ohms-divider network plus an electronically protected 400-microampere meter movement. Metal case eliminates effect of RF fields.

Ranges: resistance, 0-1000-10,000-100,000 ohms, 0-1-10-100 1000 megs; AC rms v., 0-1.5-5 15-50 150 500 1500; AC P-P, 0-4-14 40-140-400-1400-4000; DC, 0 1.5 5-15-50 150 500 1500 v. Accuracy ±3% of full scale on DC; ±5% of full scale on AC. Response: ±½ db, 20 cps to 500 kc up to 400 v.

Size 7⅜x5½x4¾″. With probes, leads, operating instructions. For 105-125 v., 50-60 cycle AC. Shpg. wt., 5 lbs.
87 F 089. *$2 Down.* NET . . . **43.95**

MODEL WV-77E(K). As above, but in kit form. Shpg. wt., 5 lbs.
83 F 999. *$2 Down.* NET.........**29.95**

MODEL WO-91A 5″ OSCILLOSCOPE

5″ wideband oscilloscope for black-and-white and color TV servicing. Features: dual-band response; wideband response flat within ±1 db from 10 cps to 4.5 mc and narrow band response flat within −6 db from 10 cps to 1.5 mc, and voltage-calibrated, frequency-compensated 3-to-1 step attenuator. Removable, multi-scale graph screen. Vertical polarity reversal switch. Pre-set vertical and horizontal sweep positions. Built-in calibration for peak-to-peak voltage measurements. Plus or minus internal sync selector. Sensitivity is 0.05 volt peak-to-peak per inch (0.018 volt rms) in narrow band position and 0.150 volt peak-to-peak per inch (0.053 volt rms) in wide-band position. Vertical input impedance, 75 mmf and 1 meg direct, and 11 mmf and 10 meg low-capacity position, with WG-300A probe supplied. 5UP1 CRT. 13½x9x16½″. For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 33 lbs.
84 FU 049. *$10 Down.* NET.....**239.50**

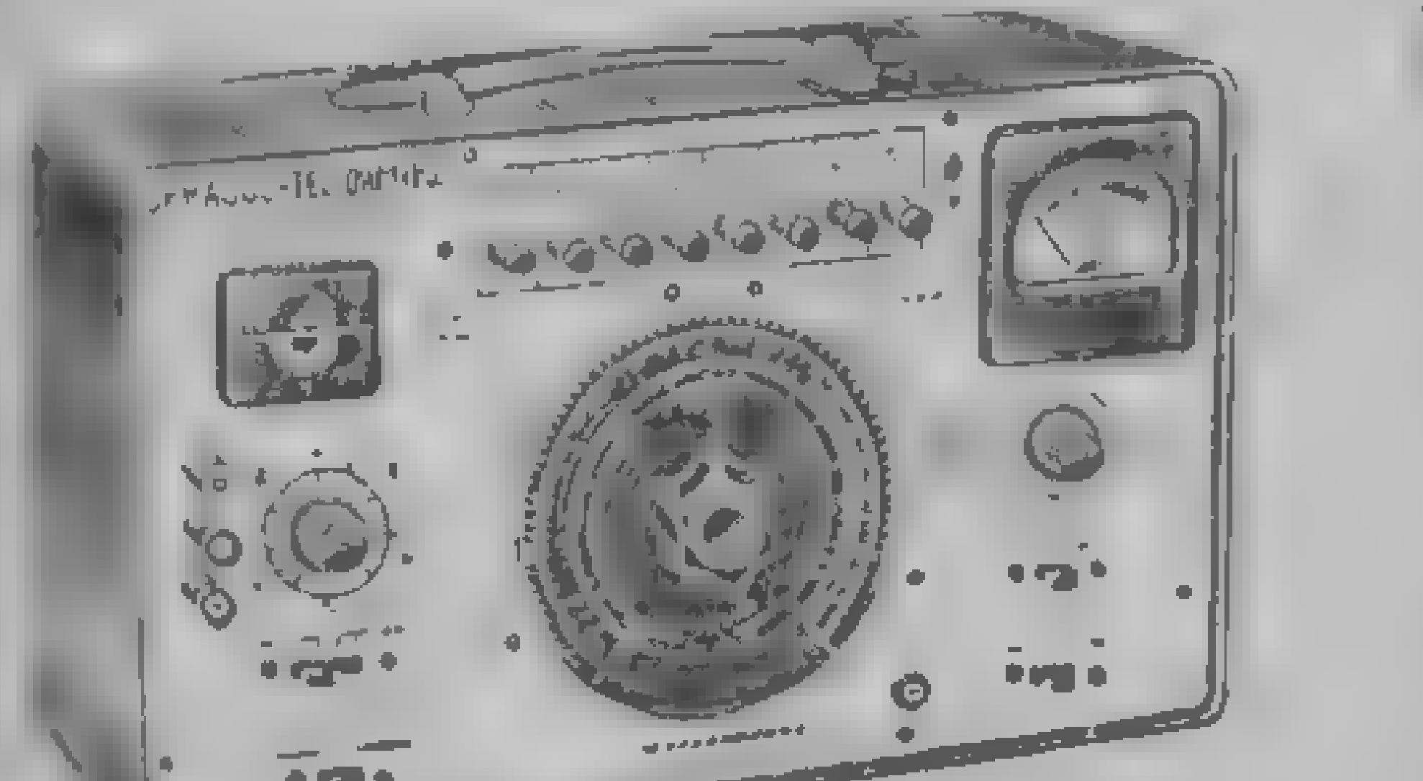
WG-300B DIRECT/LOW-CAPACITANCE PROBE. Shpg. wt., 1 lb.
87 F 059. NET.................**9.95**

WG-302A DEMODULATOR PROBE. Use with WG-300B to extend scope range to 250 mc. Input, 2.2 mmf. Shpg. wt., 1 lb.
87 F 060. NET...**8.50**

EL WV-38A VOM. An accurate VOM for general applications. Features 20,000 ohms- olt input on 8 DC ranges: 0-0.25-1.0-2.5-10-50-250-1000-5000 volts. DC accuracy, 5000 ohms/v. input on 6 AC ranges: 0 2.5-10 50-250 1000 5000 v. Response on 2.5, 50 v. ranges: ±½ db, 10 cps to 50 kc. AC accuracy, ±5%. Four AF output ranges: 5-10-50-250 v., ±5% accuracy. Reads 0 20 megs in 3 ranges. Eight DC current ranges: µa; 0-1-10-100-500 ma; 0-10 amps. Internal capacitor permits measuring AF in pres- of DC. 6⅞x5¼x3⅛″. With batteries, leads. Shpg. wt.,5 lbs.

F 095. *Only $2 Down.* NET **43.95**
096. Model WV-38A(K). As above, but kit form. NET **29.95**
090. Model WG-270A Case. For above. Laminated vinyl. 1 lb. NET ..**4.95**

SPRAGUE TO-5 TEL-OHMIKE



i-purpose bridge-type capacitor ana- for radio-TV servicemen. Valuable -saving aid—quickly detects open, ted, or intermittent capacitors. Pro- an accurate, multi-range capacitance power factor measuring bridge; an in- tion resistance checker for paper, mica, ceramic capacitors; a leakage current ator for electrolytic capacitors (tests at d voltages); and a turns-ratio scale to sure turns ratio of power transformers audio transformers.

asures capacitance from 1 mmf to 2000 in five ranges; electrolytic leakage 0-60 ma in two ranges; power factor electrolytics to 55% in three ranges. Up 600 volts DC for electrolytic test. Magic- tube simplifies bridge balancing for ca- tance and power factor measurements. venient push-button controls instantly t range—automatically discharge ca- tors when released.

8⅞x14⅝x6⅛″ deep. For operation 110-120 volts, 50-60 cycle AC. Shpg. 12½ lbs.
FX 591. *$5 Down.* NET.......**90.65**

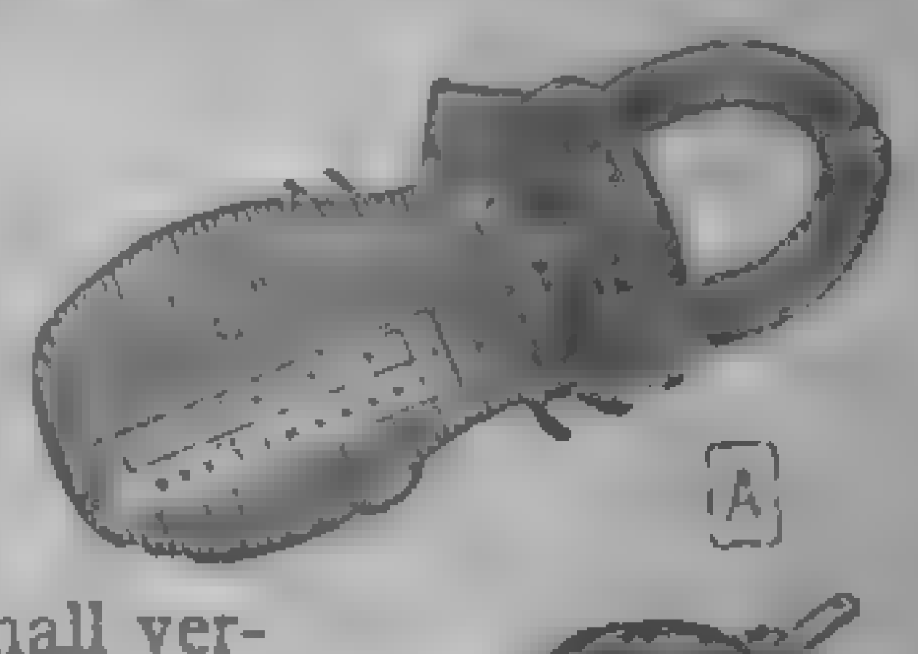
"MOSQUITO" SIGNAL INJECTOR

Just 6″ long and weighing only 1 ounce, this versatile transistorized signal injector clips into pockets just like a pen. Single penlight cell supplies power—oscillator provides a 1000-cps test tone rich in harmonics for AF as well as radio frequency use. This ingenious little device will prove to be one of your most handy servicing aids. Supplied complete with battery. Shpg. wt., 3 oz.
87 F 470. NET...................**9.95**

Pen-size signal generator ... for radios, all audio gear.

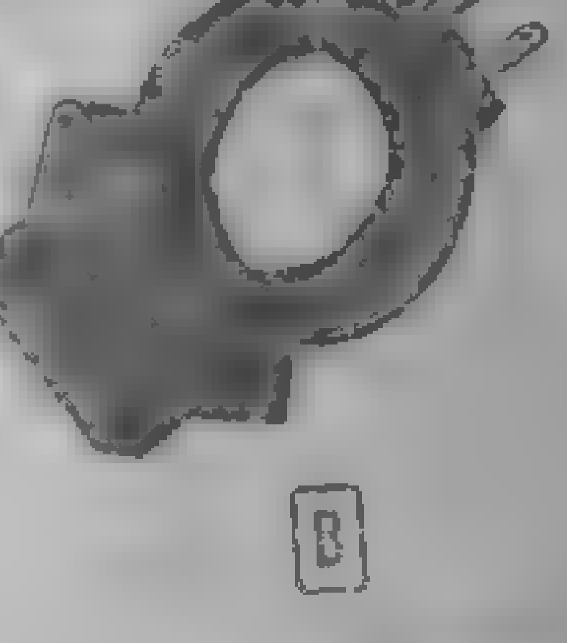
PYRAMID AMPROBES—"SNAP-AROUND" METERS

A **MODEL RS-3.** Multi-range volt-ammeter-ohmmeter. Press trigger to open jaws, then let them close around conductor—no need to break circuits or remove insulation to read current. Rotary scale for fast, accurate readings. 1 resistance, 5 current, 3 voltage ranges. Reads 0-5-15-40-100-300 amps; 0-150-300-600 v. AC. 25 ohms mid-scale. Has tiny battery attachment for resistance tests. With battery, leads, leather case. 2 lbs.
87 F 376. *Only $5 Down.* NET......................**52.50**


A

A **MODEL RS-1.** Reads 0-5-15-40-100 amps and 0-150-600 volts, AC. Takes conductors up to 1¹⁄₁₆″ dia. Scale length, 2¼″. Length, 7³⁄₃₂″. With test leads and case. Shpg. wt., 2 lbs.
87 F 268. *$2 Down.* NET **39.85**

B **MODEL A-40 ENERGIZER.** Use as plug to divide 2-conductor cords at outlet (convenient when using Amprobes for current measurement). Increases ammeter sensitivity to 10X. Test jacks for measuring voltage under load. Supplied complete with case. Shpg. wt., 8 oz.
84 F 489. NET............**3.75**

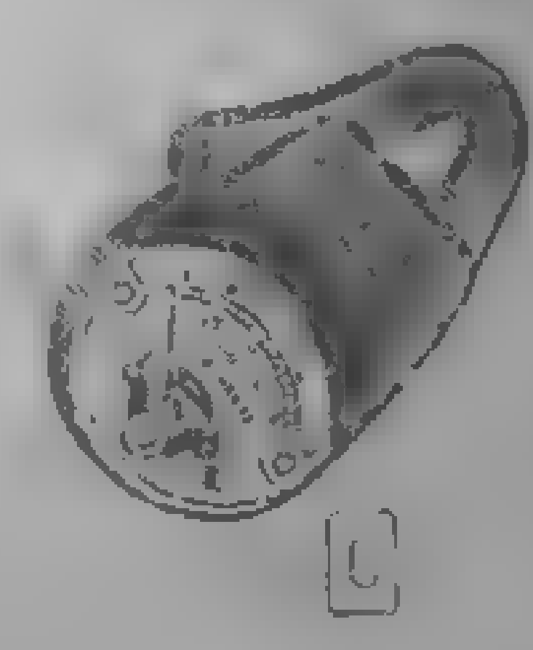

B

C **AMPROBE JUNIORS.** Small versions of Amprobe "snap-around" meters. Circular conductor capacity: ½″. Scale length, 1.8″; overall length, 4¾″. With leads, less case (below). Wt.,1 lb.

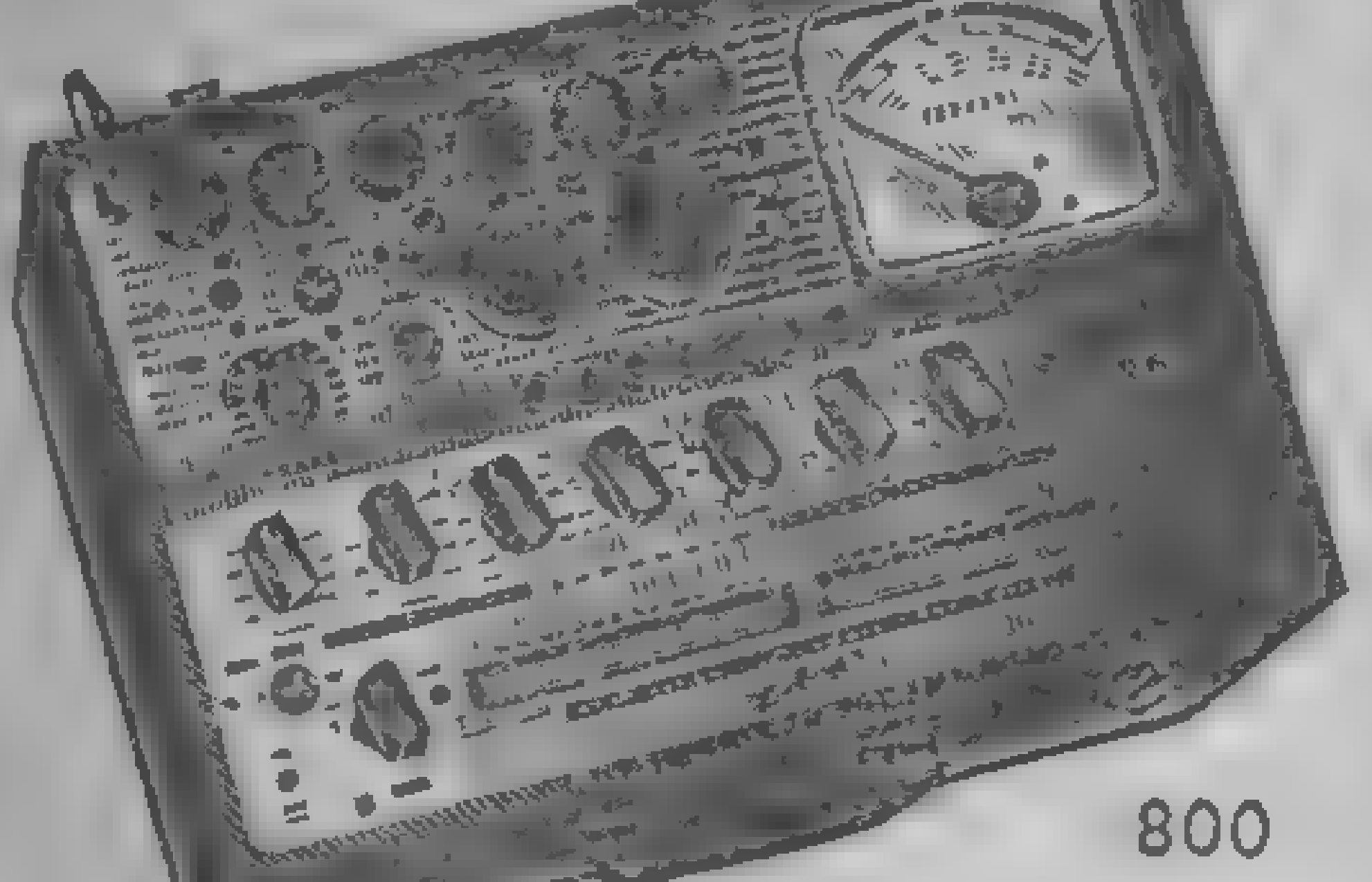
Stock No.	Model	Amps	Volts
84 F 369	Y10	0-10	0-125-250
84 F 373	Y25	0-25	0-125-250
84 F 374	Y50	0-50	0-125-250
84 F 379	Y100	0-100	0-125-250
84 F 897	Y525	0-25	0-150-600
84 F 898	Y550	0-50	0-150-600
84 F 899	Y500	0-100	0-150-600

NET EACH.................**19.85**

MODEL P-1 LEATHER CASE. For Juniors. Shpg. wt., 12 oz.
84 F 488. NET.............**2.85**


C

Hickok Test Equipment


800

MODEL 800 TUBE TESTER

- Fast, Accurate Operation
- Checks Transistors and Subminiature Tube Types

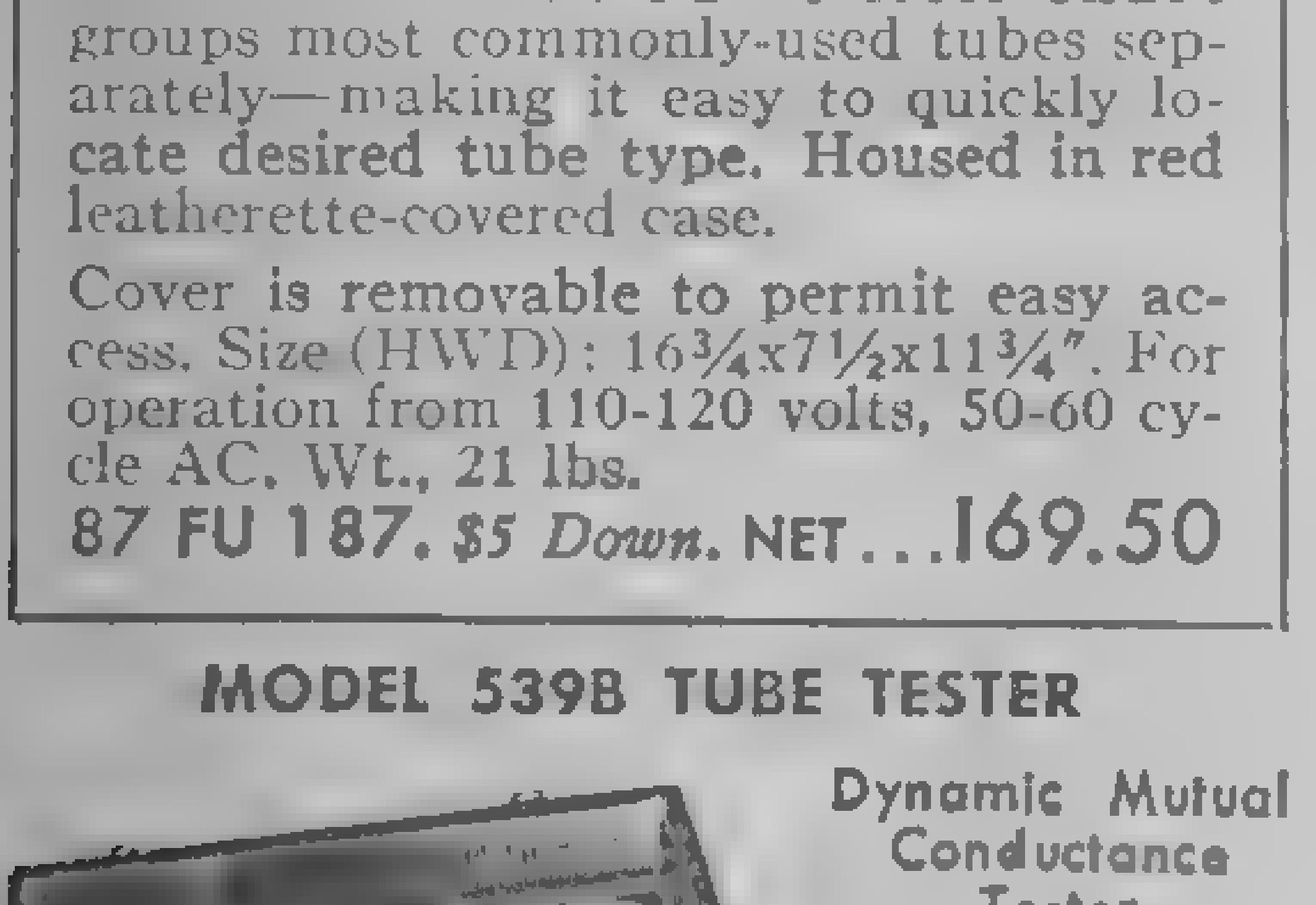
Lightweight, portable dynamic mutual conductance tube tester. Weighs only 16 pounds—ideal for professional radio and TV servicemen to use for both on-location and shop-bench jobs. Tests receiving-type tubes under simulated operating conditions; also tests out-of-circuit transistors and diodes. Includes tests for latest miniature tubes; also includes tests for 600-ma series-string-filament tubes.

An improved version of the popular 600 series testers, the 800 features an improved leakage test with direct meter readings. Easily detects hard-to-locate weak tubes. Tests for gas content and for shorts. The easy-to-read triple-scale 5" lucite-case meter has ranges of 0-3000-6000-15,000 micromhos and "REPLACE—?—GOOD". Roll chart groups most commonly-used tubes separately—making it easy to quickly locate desired tube type. Housed in red leatherette-covered case.

Cover is removable to permit easy access. Size (HWD): 16¾x7½x11¾". For operation from 110-120 volts, 50-60 cycle AC. Wt., 21 lbs.

87 FU 187. *$5 Down.* NET...169.50

MODEL 539B TUBE TESTER


Dynamic Mutual Conductance Tester

Has 6 Micromho Ranges Metered Grid, Line Voltage

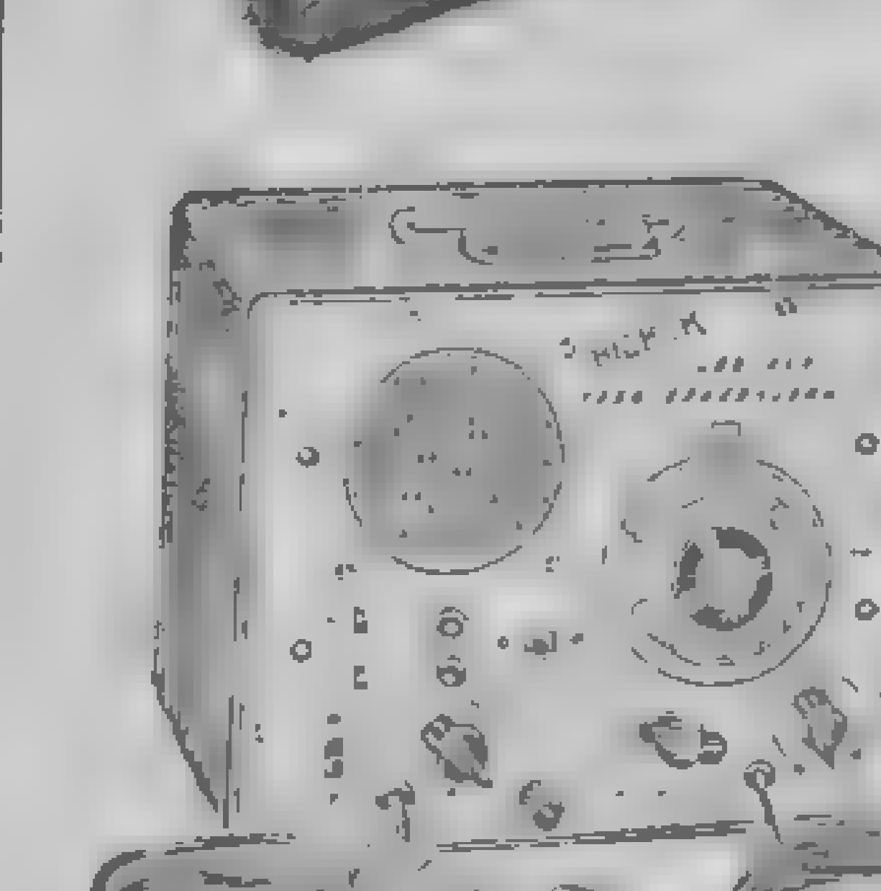
4 AC Signal Voltages

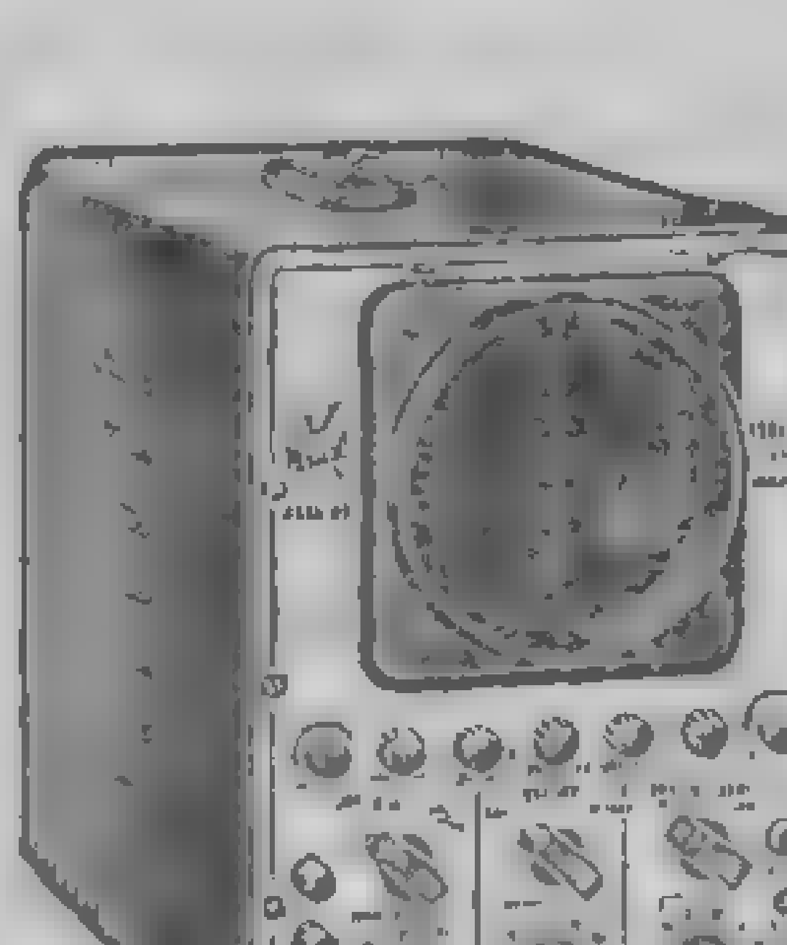
Laboratory-type dynamic mutual conductance, portable tube tester. Measures mutual conductance under simulated operating conditions. Tests all receiving-type and voltage regulator tubes plus selenium and germanium diodes.

Uses 3 separate meters. Micromhometer has 8 ranges: 60,000-30,000-15,000-6000-3000-600; Rectifier Diode Range; VR Range. Separate AC meter for line voltage check and separate DC voltmeter for grid bias readings. Choice of 4 AC signal voltages: .25, .5, 1, 2.5 v. Offers normal and low plate and screen voltages. Reads leakage up to 50 megohms. Tests for shorts, gas, noise, and gives probable tube life test. Has provision for measuring plate and heater current. Roll chart includes settings for all latest tube types; new charts are periodically released as new tubes become available. Has highly attractive, black leatherette-covered portable carrying case. Size, 16¾x18⅜x7½". For 110-125 volts, 50-60 cycle AC. Shpg. wt., 39 lbs.

84 FU 608. *$10 Down.* NET.....439.00

6000


810


675A

MODEL 6000 TUBE TESTER

- 1-2-3 Push Button Operation Saves Time
- Speedy Transconductance Readings

Designed for accurate high-speed testing. Unique roll chart design groups the most commonly used tube types separately for faster testing. Sensitive 5" meter has 0-3000-6000-15,000 micromhos and "REPLACE—?—GOOD" ranges. Checks all receiving tubes that are normally encountered. Easy-action push buttons provide instant indication of dynamic mutual conductance and gas content. Has automatic short test—5 neon lights indicate shorts or leakage between elements and show which elements are shorted. Also features constant line voltage indication.

In red leatherette portable case with detachable lid. 16¾x7½x11¾". For 110-120 volts, 50-60 cycle AC. Wt., 21 lbs.

87 FU 181. *$5 Down.* NET......197.50

CRT TESTER ADAPTER. Tests gas, grid control, shorts and cathode emission. Also works as rejuvenator. Wt., 1 lb.

84 F 184. NET..................14.95

MODEL 752 TUBE TESTER

A portable unit featuring high accuracy and fast, simple operation. Tests over 2000 tube types plus germanium diodes. Tests both halves of dual tubes with single setting of selector switches. Push-button switch selects half to be tested—permits quick comparisons. Mutual conductance value is found by merely noting meter indication and multiplier setting—meter indicates value from 0-30,000 in 5 ranges. Simplified panel reduces set-up time and chance of error. Illuminated meter and roll chart. Choice of two plate and screen voltages and 4 AC signal voltages. Built-in pin straighteners. Special design avoids damage to tubes through improper settings. Black leatherette case. 18⅜x16¾x7½". For 105-125 v., 50-60 cycle AC. Shpg. wt., 26 lbs.

87 FU 192. *$10 Down.* NET....298.00

NEW 810 TRANSISTOR-RADIO TESTER

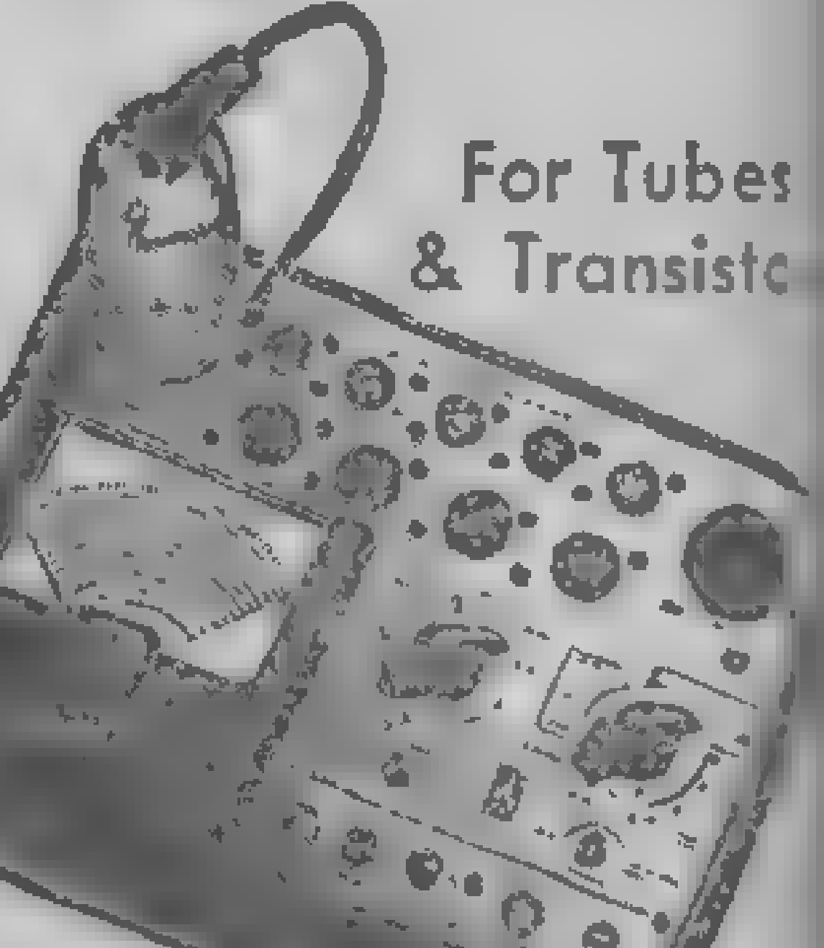
A new combination RF-IF AM signal generator, single-tone audio generator, RF-IF audio signal tracer, and transistor tester. Tracer serves as tuned receiver for trouble-shooting IF stages from 200-575 kc; RF stages from 550-1600 kc. Also checks audio stages. Has built-in loudspeaker. Signal generator output from 200-575 kc and 550-1600 kc; also 600-cycle audio output. Transistor tester checks leakage and gain. With cathode follower input probe, leads. Portable steel case. 9x11¼x7". For 105-125 v., 50-70 cycle AC. 15 lbs.

87 FU 188. *$5 Down.* NET.. ...138.00

HICKOK

LEADER IN
ELECTRONICS
SINCE 1910

Mode
752


For Tubes & Transisto

820

MODEL 820 TUBE TESTER

Low-cost tube-transistor tester and vacu tube volt-ohmmeter. Easily fits tube cadd 15 tube and transistor sockets accept nea all radio, hi-fi, TV tubes including deflecti types. Tests emission, heater cathode le age, grid current, contact potential shorts. Accommodates CRT adapter.

Tests PNP and NPN transistors. Rea DC current gain, reverse current collect leakage. "GOOD-FAIR-BAD" leak scale. Individual power transistor test.

VTVM-ohmmeter has bridge type cir and built-in power supply. No batteries quired. Reads to 750 v. DC in 4 ranges 100 megs in 3 ranges. Gold and black case. 3½x8½x6". With leads. For 110- v., 50-60 cycle AC. 6½ lbs.

87 F 160. *$5 Down.* NET........99.5

MODEL 675A WIDE-BAND SCOPE

Wide-band, high sensitivity, 5" oscillosco for color TV as well as FM and AM u Features 4.5-mc bandwidth and 20 mv/inch vertical sensitivity. Astigma focus provides exceptional trace deta Vertical response within 3 db from 1 cps 4.5 mc. Switch for reverse polarity of ve cal trace. Voltage calibrator. Horizontal sponse within 3 db from 1 cps to 450 kc sensitivity is 250 rms mv/inch. Sweep quency, 10 cps to 100 kc. Intensity modu tion input. 13x10x16". For 110-120 v., 400 cycle AC. Shpg. wt., 43 lbs.

84 FU 634. *$10 Down.* NET....299.9

660 DOT COLOR-DISPLAY GENERATO

Not illus. Portable white-dot, color-displ generator for color TV service. Complet crystal-controlled for accurate set-up wi out station signal. Output on channels 300 white dots, less blanking; 20 vert and 15 horizontal white crosshatch li less blanking. Display sequence (blend orange, red, magenta, blue, cyan, green. is modulated 60% by video outputs. Wit crystals, lead. 10½x10½x5¼". For 105-1 v., 50-60 cycle AC. 21 lbs.

87 FU 175. *$10 Down.* NET....243.0

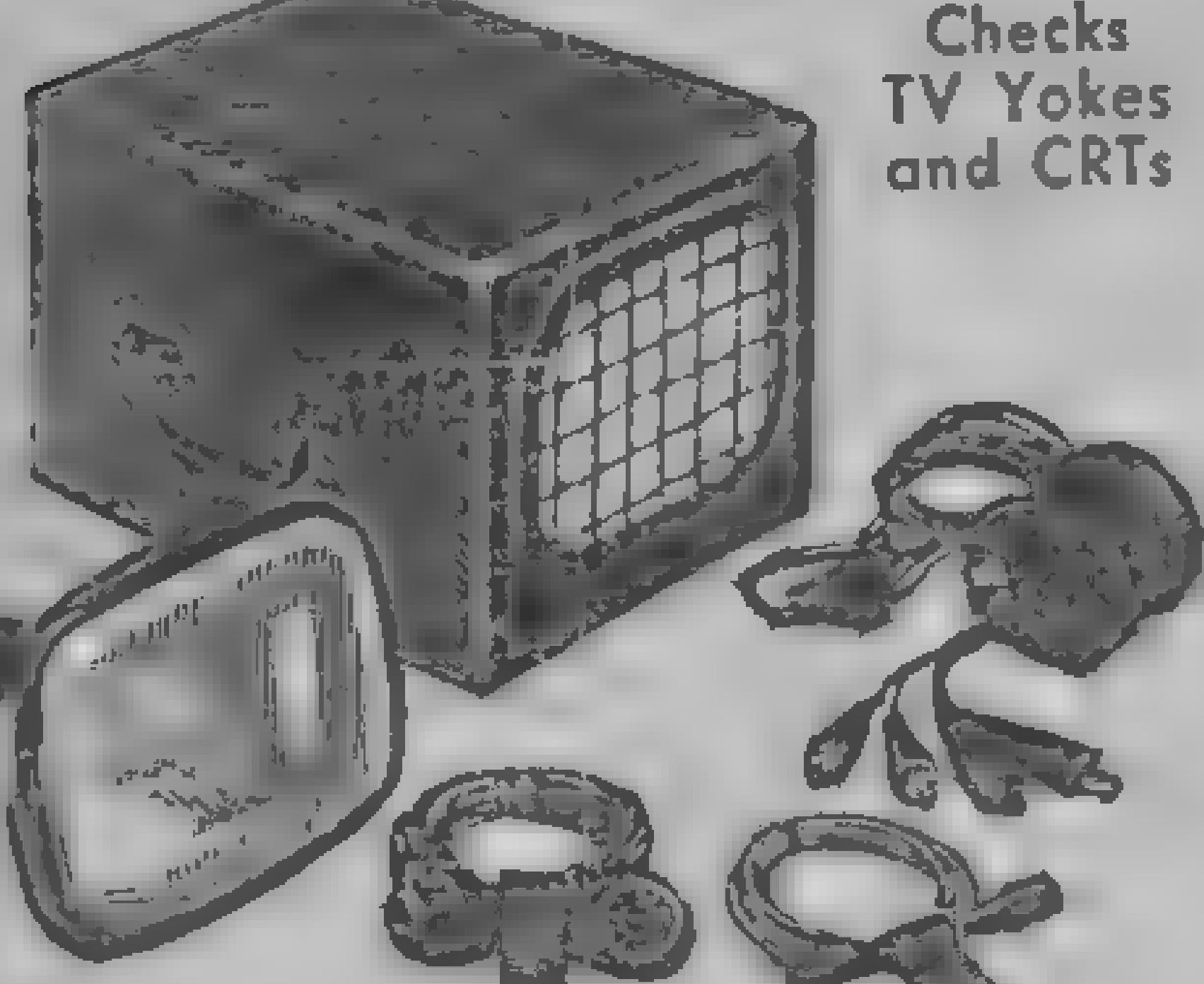
656XC DOT COLOR-BAR GENERATO

Not illus. White-dot, crosshatch and col bar generator. Standard 100% saturat NTSC pattern. Crystal-controlled 3.58 burst. Provides R-Y, B-Y, G-Y, and G-Y 90°. RF color-bar output on channels 2 Crosshatch has 20 vertical, 15 horizon lines, less blanking; 300 dots, less blanki Also produces vert. or hor. lines only; sou carrier. 7½x16¾x18⅜". For 110-120 v., cycle AC. Shpg. wt., 48 lbs.

87 FU 176. *$10 Down.* NET.....495.0

Hickok, Jackson, Pyramid, I.H. Test Equipment

I. H. 8" "TELE-CHECK"



Checks TV Yokes and CRTs

MODEL CR-118. A portable CRT substitution unit. Saves time in locating CRT or yoke troubles. Self-focusing; no ion trap needed. For electrostatic or electromagnetic deflecting TV sets with 52°, 66°, 70°, or 90° yokes. Universal yoke is interchangeable with yoke of set. Horizontal and vertical lines on front plate help in making accurate picture adjustments. With carrying case, [illegible] CRT socket extension leads, anode and yoke connecting leads, face plate and 8XP4. 12x11½x15". 12 lbs.
87 FX 297. *$2 Down.* NET.........**44.75**

MODEL CR-168. Same as Model CR-118, but with 8YP4 and 110° universal yoke. 12 lbs.
87 FX 193. *$5 Down.* NET.........**54.50**

MODEL CR-167. Same as CR-168, but less tube. Accepts either 8XP4 or 8YP4. 9½ lbs.
87 FX 198. *$2 Down.* NET.........**28.50**

MODEL CR-168S. Same as CR-168, with universal test speaker. Wt., 13 lbs.
87 FX 194. *$5 Down.* NET.........**64.50**

PYRAMID MODEL RC-1

R-C BRIDGE

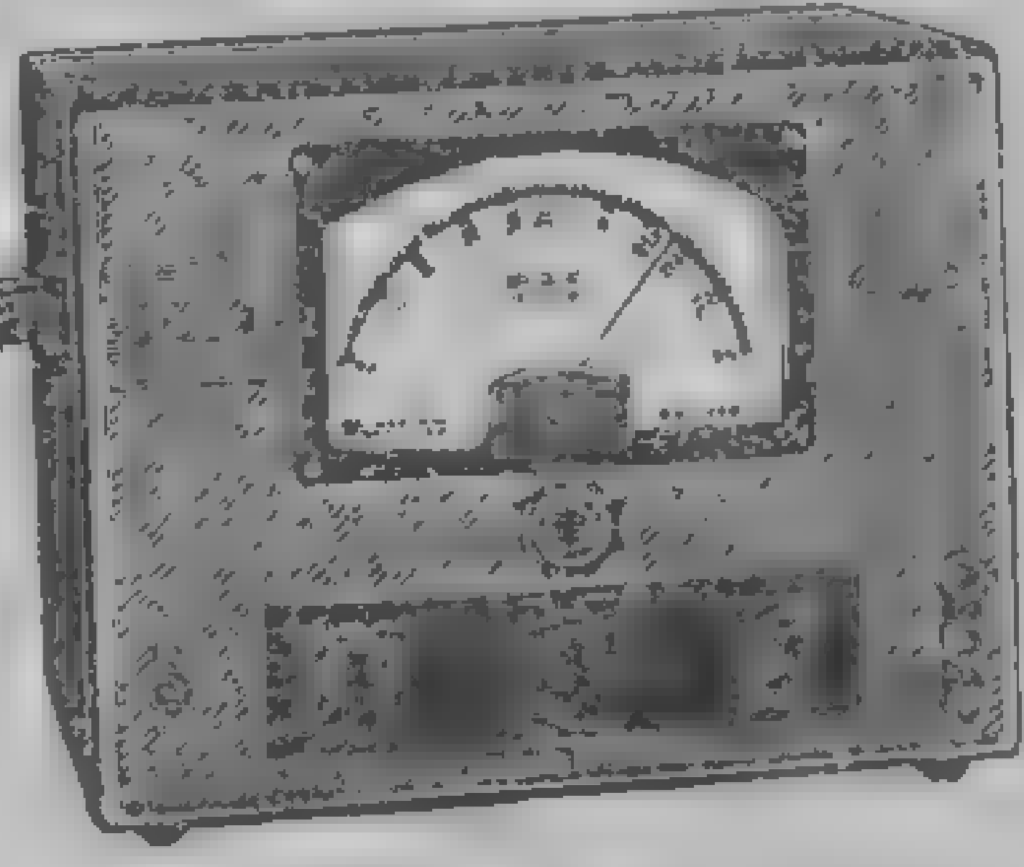
Tests Capacitors

Tests Resistors

Shows Reactance, Resistance, Winding Ratios. This high quality bridge can easily pay for itself in time saved. Tests for opens and shorts; supplies 0-500 v. DC for testing capacitor breakdown. Tests leakage of micas, papers, and electrolytics—has amplifier to check leakage of electrolytics to [illegible] μa for transistor circuitry. Tests capacitance from 10 mmfd-2000 mfd; resistance from 0.5 ohms-200 megs. Finds reactance or resistance ratio between any two capacitors, inductors, resistors; turns ratio of transformer windings between .05:1 and 20:1. 7x11½x5". For 110-120 v., 60 cycle AC. Shpg. wt., 11 lbs.
87 F 450. *$2 Down.* NET........**36.06**

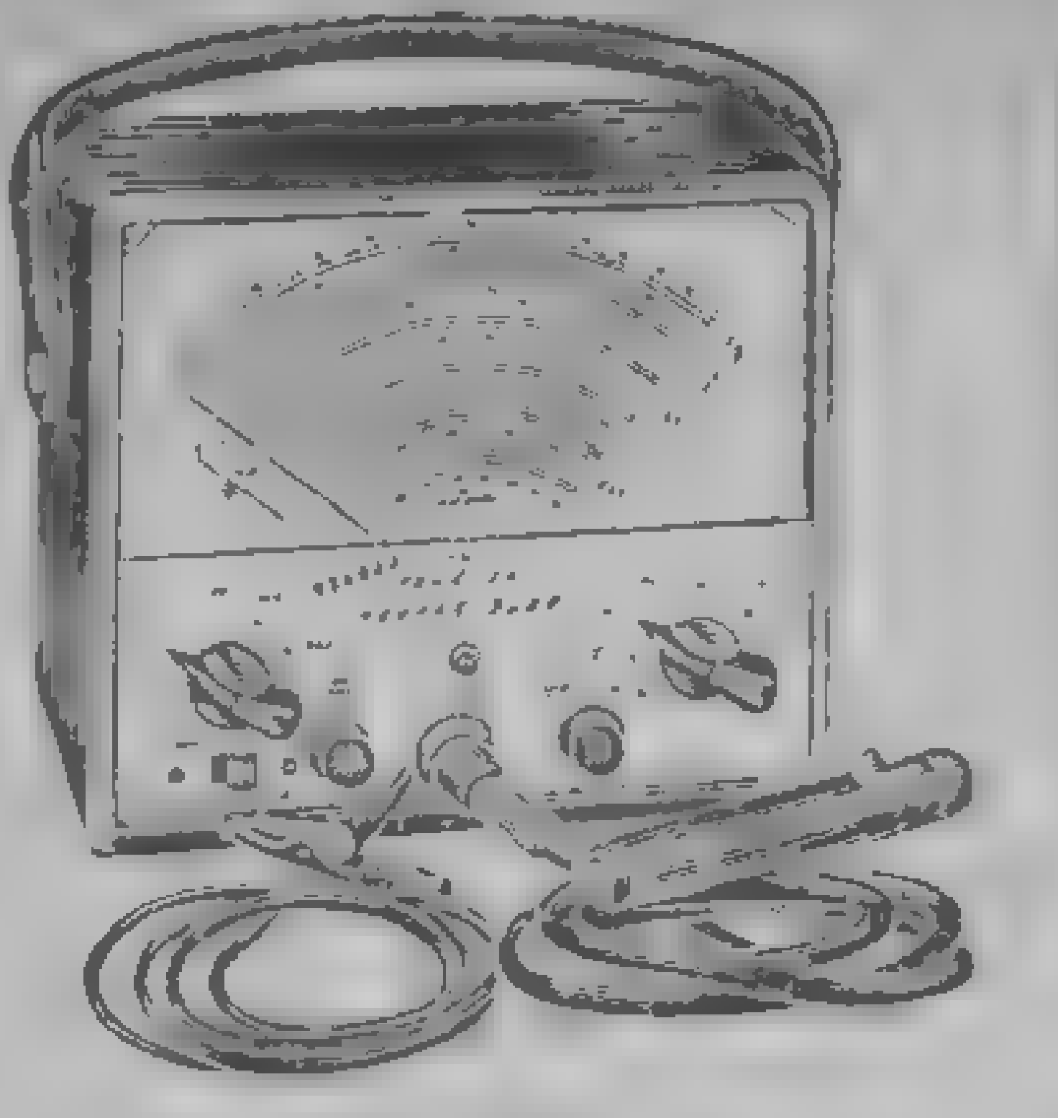
JACKSON AUDIO GENERATOR

MODEL 655

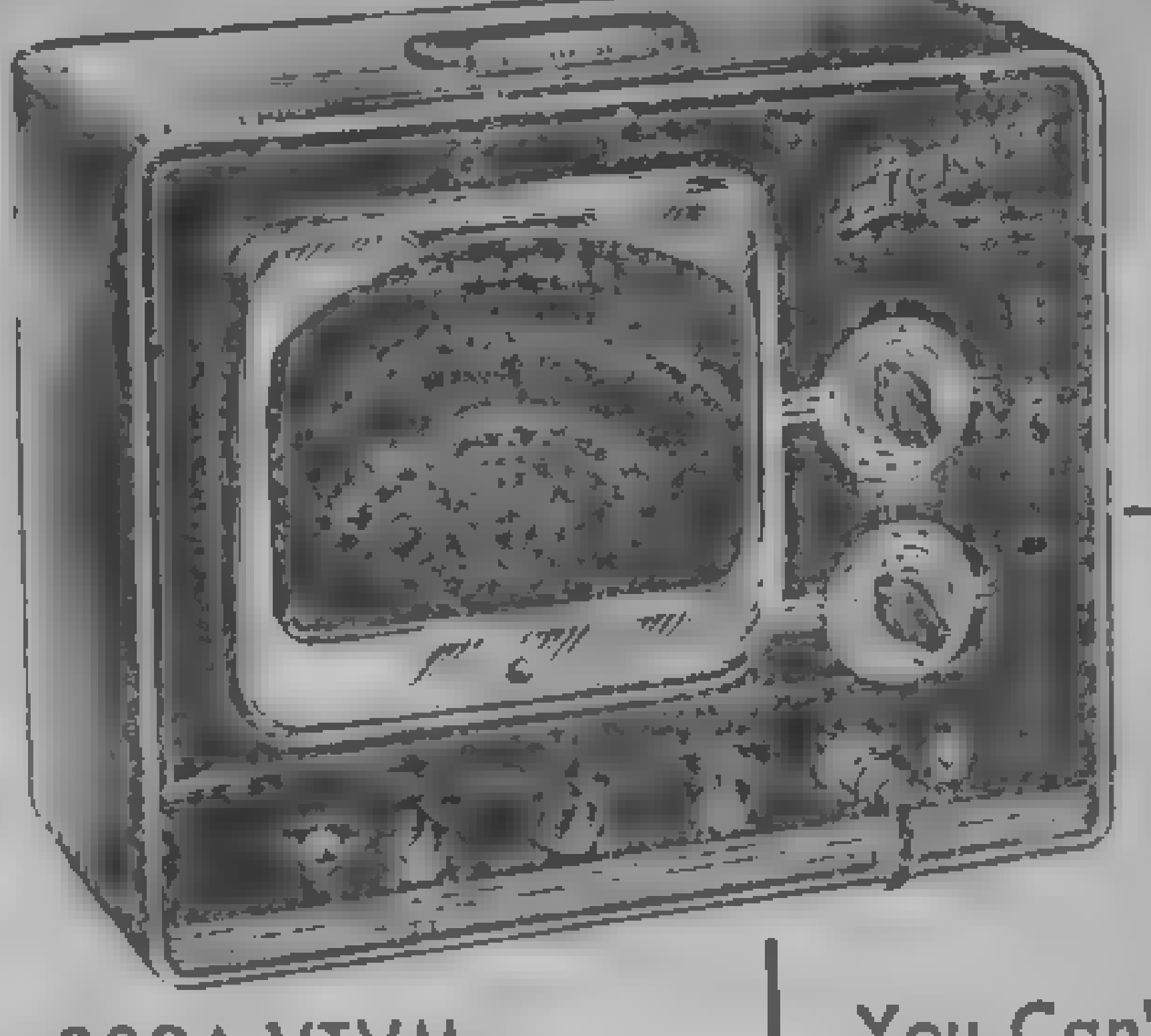


20 to 200,000 Cps

RC-type audio frequency oscillator. Covers 20 to 200,000 cps in 4 ranges. Output level continuously variable up to 500 mw. Accuracy is 3% or 1 cps, whichever is greater. Hum: −60 db. Response: ±1 db, 30-15,000 cps. Distortion under 5%. Output: 10, 250, 500, 5000 ohms. With 3 tubes plus rectifier. 9½x13x9½". For 105-120 v., 50-60 cycle AC. 32 lbs.
87 FU 195. *$5 Down.* NET.......**132.30**



470 VTVM



209A VTVM

MODEL 470 VACUUM TUBE VOLTMETER

Reliable, lightweight VTVM featuring a 7" meter and a single-unit AC-ohms-DC probe. Ranges: DC, 0-1.5-5-15-50-150-500-1500 volts; AC (rms), 0-1.5-5-15-50-150-500-1500 volts. Peak-to-Peak, .2-4-14-40-140-400-1400-4000 volts. Resistance, 0-1000-10,000-100,000 ohms; 0-1-10-100-1000 megohms. Response, 30 cps to 2.5 mc. Input resistance, 13.3 megohms. High-sensitivity transistor bias test (0 to 0.5 v. DC range). 6¼x7x4". With probe and leads. For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 8 lbs.
87 F 189. *$5 Down.* NET...............**94.75**

MODEL 209A VACUUM TUBE VOLTMETER

Professional-quality VTVM with provisions for measuring inductance and capacitance. Zero-center 9" meter. Flat response from 30 cps to 200 mc. High input impedance: DC, 12 megs; AC, 12 megs shunted by 7 mmf (3 megs on 1200-v. scale). Ranges: AC-DC volts, 0-3-12-30-120-300-1200; DC ma, 0-3-12-30-120-300-1200; res., .1 ohm to 10,000 megs; capacitance, 1 mmf to 1000 mfd; inductance, 50 mh to 100 henries; db, −20 to +25; AC P-P, 0-3-12-30-120-300. 13¼x16¼x7". With probes, leads. For 105-125 v., 50-60 cycle AC. 25 lbs.
84 FU 136. *$5 Down.* NET.............**157.00**

84 F 149. PR-30KVA Probe. For above. Extends range to 30 KV DC. Shpg. wt., 1½ lbs. NET..**18.50**

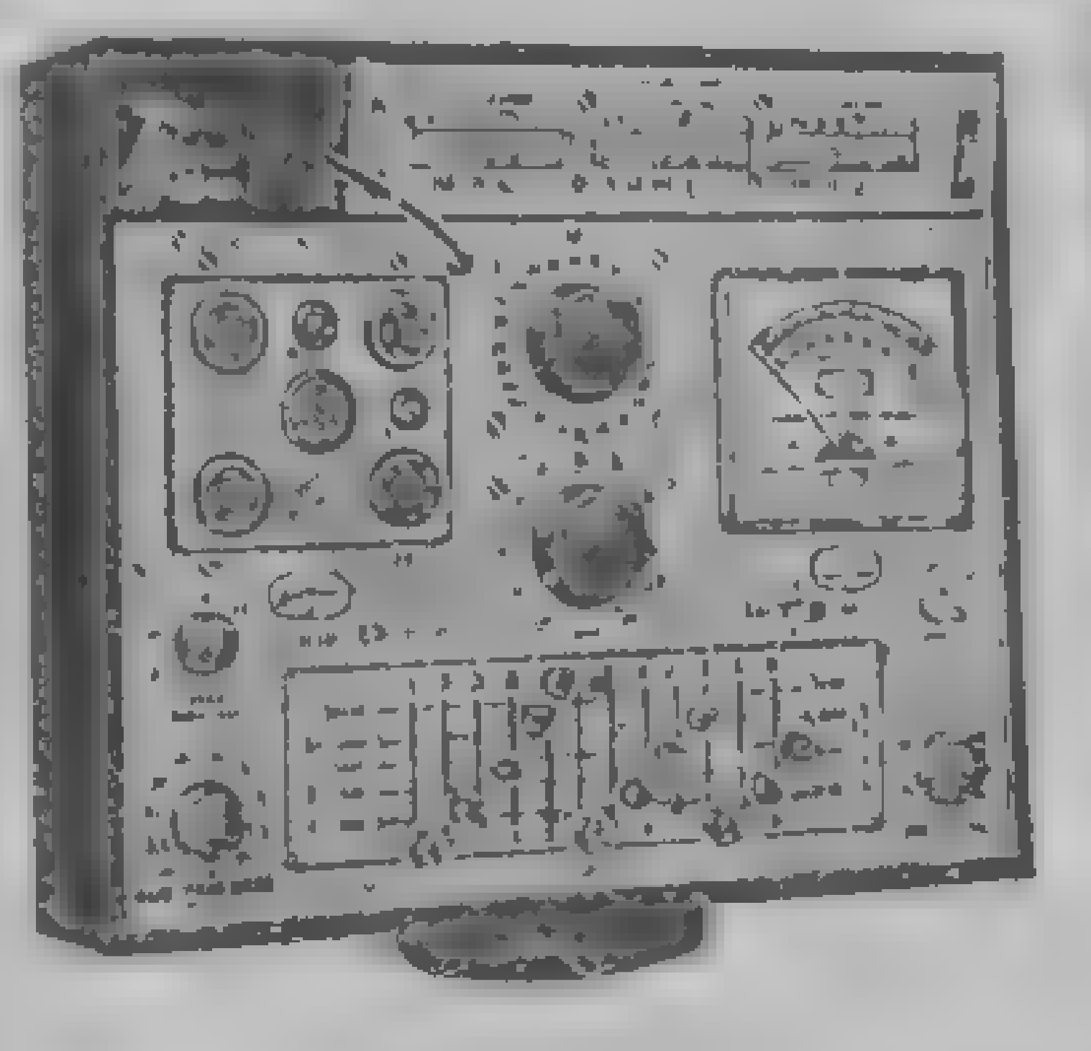
You Can't Burn It Out!

455A VOM

MODEL 455A VOM

Compact, portable VOM. Rugged design withstands hard use. Unique overload circuit cut-out and fuse system protects meter, resistors, shunts and other components against accidental burn-out on any function. Single switch selects function and range. Sensitivity: 20,000 ohms-per-volt AC-DC. Ranges: AC-DC v., 0-3-15-60-150-600-1200; resistances, 0 to 100 megs in 4 ranges—5 ohms center scale; current, 0-50 μa, 0-1-10-100-1000 ma, 0-10 amps. Incorporates full-wave bridge-rectifier circuit. Size, 3x5⅞x8½". With test leads. Less batteries. Uses 1 Burgess U20 and 1 No. 2. Shpg. wt., 5½ lbs.
84 F 609. *$5 Down.* NET..**74.50**

CARRYING CASE. For 455A, above. Attractive, durable neoprene. Shpg. wt., ½ lb.
84 F 635. NET............**10.00**



Model 598

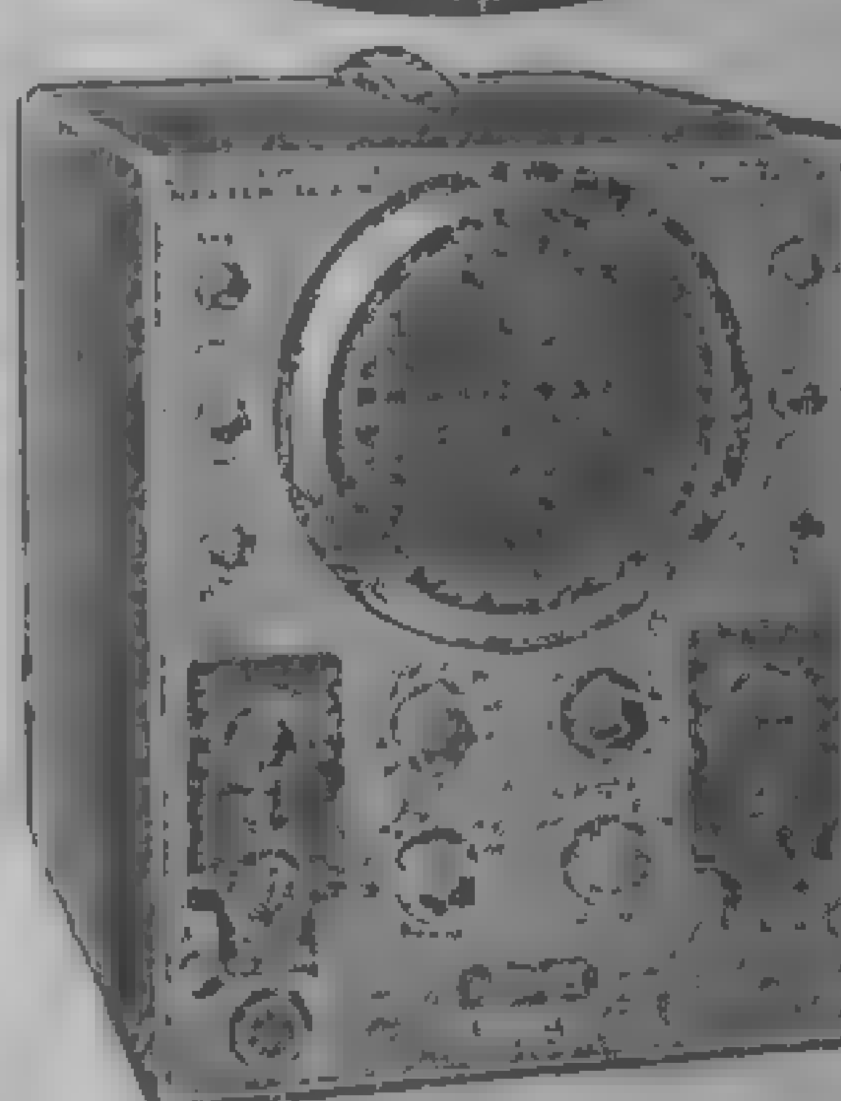
Model 648R

MODEL 598 DYNAMIC TUBE TESTER

Low-cost, dynamic tube tester employing "under load" testing principle. Checks most radio and TV receiving tubes. Plate voltage and load adjustable for specific tube types. Tests 4, 5 and 6-pin as well as loctal, octal, and 7 and 9-pin miniature tubes. 23 filament voltages. Large 5" meter has "Good-Bad" scale and percent scale to show relative condition of tube. Lever switches and zig-zag roll chart for speedy operation. Obsolescence-proof—up-to-date charts are issued regularly. Has line-voltage control and variable sensitivity shorts test. Portable case, 6¾x14½x16½". For 100-125 v., 50-60 cycle AC. Shpg. wt., 21 lbs.
87 FU 132. *$5 Down.* NET...............**88.15**

MODEL 648R DYNAMIC TUBE TESTER

Top-quality dynamic tube tester designed for fast, easy checking of receiving tubes. Full flexibility and high speed set-up are assured with fast sequence switching. Complete dynamic test under load. All test sockets are grouped in one convenient subassembly. Zig-zag roll chart eliminates unnecessary twirling. Features: 23 separate heater voltages; silicon rectifier power supply; variable sensitivity shorts test—tests interelement leakage from 250K to 2 megohms; factory calibration for guaranteed accuracy. With automatic line voltage indicator, life-test switch. Portable case attractively styled in two-tone plastic. 16½x13¾x6". For 110-120 v., 60 cycle AC. Shpg. wt., 23 lbs.
87 FU 130. *$5 Down.* NET...............**127.35**



Deluxe Wide-Band 5" Scope

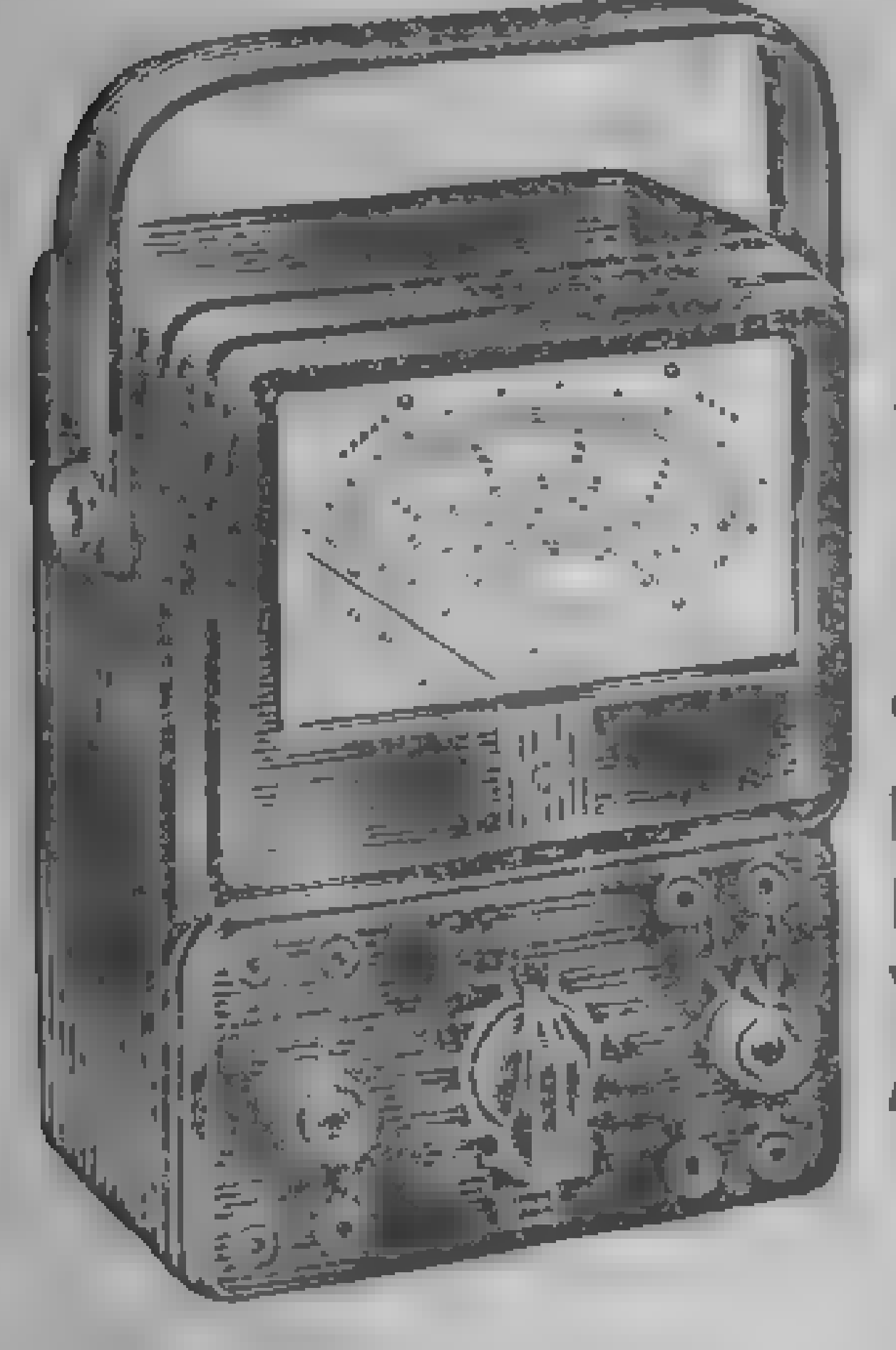
MODEL CRO-2 OSCILLOSCOPE

A highly sensitive, laboratory-quality scope, excellent for black-and-white and color TV servicing. Widely used, too, in industrial applications. Highly stable amplifier circuitry—no balancing required. Features wide-band amplifier flat within 1 db from 20 cps through 4.5 mc; 2-range vertical deflection sensitivity from 0.018 rms v./inch; positive or negative internal horizontal sync; linear sawtooth sweep oscillator, 20 cps through 50 kc.

Input calibrating voltage, 10 volts peak-to-peak. Vertical polarity reversal. Variable sweep expansion. Return trace blanking. Z-axis modulation—external or internal 60-cycle. Direct connections to deflection plates when required. In gray steel cabinet. Size, 13x10¼x15⅛". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 32 lbs. *$10 Down.*
84 FZ 475. NET........**220.50**

Simpson Test Equipment

Simpson. . . Instruments That Stay Accurate



MODEL 260 VOM

Series III

Featuring "Add-A-Tester" Input for AC and DC Ammeter, DC VTVM, Wattmeter, Milliohmmeter, etc.

Highly popular—extremely dependable. Latest version of the famous 260 series. Has polarity reversing switch, 5000 ohms/v. AC sensitivity, rugged printed circuit, full-wave bridge rectifier, response to 500,000 cps. DC sensitivity, 20,000 ohms/v. Ranges: DC mv. 0-250; AC and DC v., 0-2.5-10-50-250-1000-5000; AF output v., 0-2.5-10-50-250; DC μa, 0-50; DC ma, 0-1-10-100-500; DC amps, 0-10; resistance, 0-20 megs in 3 ranges. 5¼x7x3⅛". Complete with batteries and test leads. Shpg. wt., 5 lbs.

87 F 111. *$2 Down.* NET........**43.07**

Model 260RT. As above, but in "roll top" case, 6⅜x9x4¾". Shpg. wt., 9 lbs.

87 F 112. *$2 Down.* NET..........**48.95**

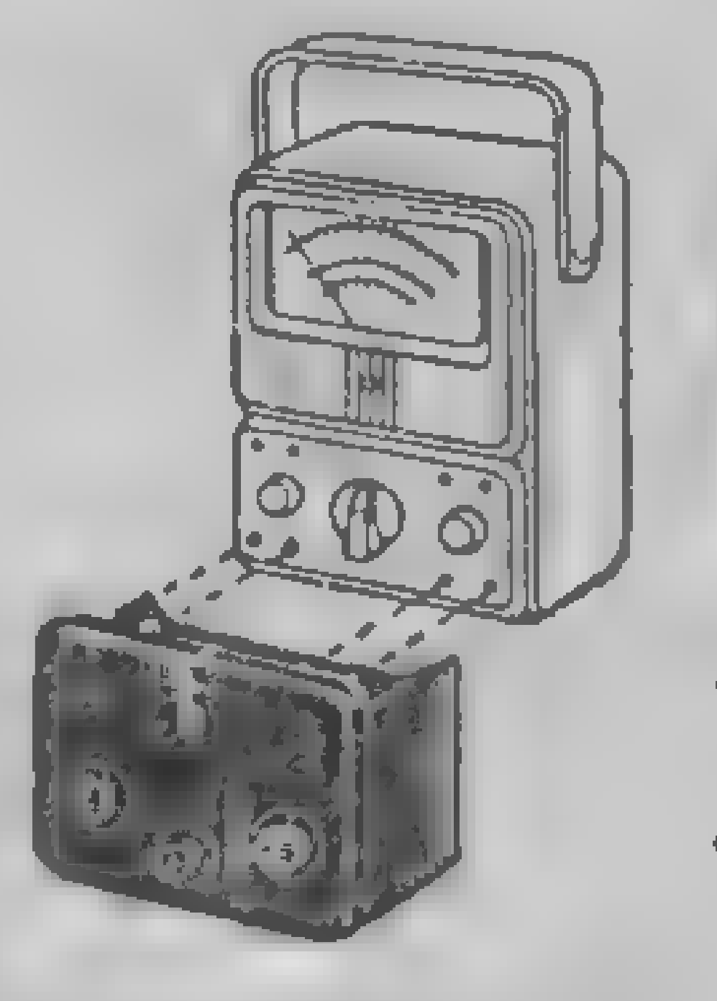
Model 402 Adapter. Adapts Model 260, Series II to "Add-A-Tester" use. 1½ lbs.

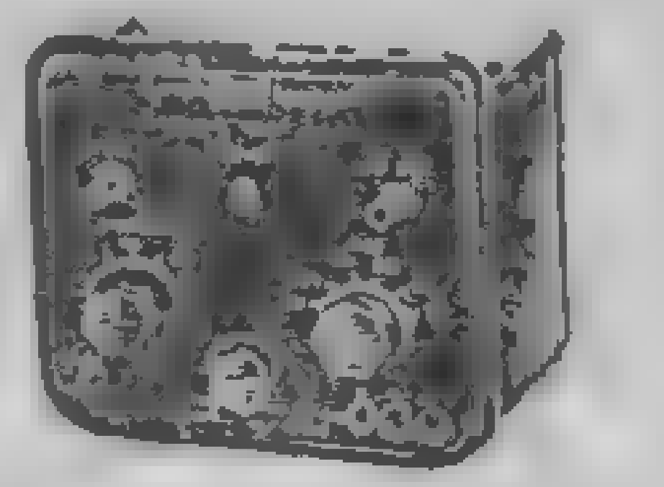
87 F 561. NET....................**3.87**

ACCESSORIES

Stock No.	Type	Description	Lbs.	NET
87 F 124	0247	DC probe; 25 KV range.	½	11.27
87 F 115	0248	DC probe; 50 KV range.	½	12.25
87 F 106	8375	Test leads; "L" terminals on one end, alligator clips on other end.	½	1.71
87 F 116	7500	Spare leads.	1	2.06
84 F 721	4236	Ever-Redy case. For Models 260, 270, 303.	2	9.55
84 F 782	1818	As above, but Standard model.	2	8.33

HIGHLY VERSATILE "ADD-A-TESTERS"





- Just Plug-in for Complete Unit
- Self-Powered and Self-Contained

Simpson add-on units. Now convert your Model 260 or 270 VOM to a complete test instrument simply by adding the adapters listed below. Forms a self-powered, self-contained unit. For use with any 260 or 270 meter produced since 1947.

Model 650 Transistor Tester. 2 lbs.

87 F 553. *$2 Down.* NET..........**26.41**

Model 651 DC VTVM. 0.5, 1.0, 2.5, 5, 10, 25, 50, 100, 250, 500 v. ranges. 2 lbs.

87 F 554. *$2 Down.* NET...........**32.29**

Model 652 Temperature Tester. 2 lbs.

87 F 555. *$2 Down.* NET **38.17**

Model 653 AC Ammeter. .25, 1, 2.5, 12.5, 25 amps. Shpg. wt., 2 lbs.

87 F 556. NET...................**18.57**

Model 654 Audio Wattmeter. Wt., 2 lbs.

87 F 557. NET...................**18.57**

Model 655 Microvolt Attenuator. 2 lbs.

87 F 558. NET...................**18.57**

Model 656 Battery Tester. Wt., 2 lbs.

87 F 559. *$2 Down.* NET..........**19.55**

Model 657 Milliohmmeter. 0.1, .25, .5, 1.0 ohm ranges. Shpg. wt., 2 lbs.

87 F 206. *$2 Down.* NET..........**44.05**

Model 658 CRT Tester. 1 lb.

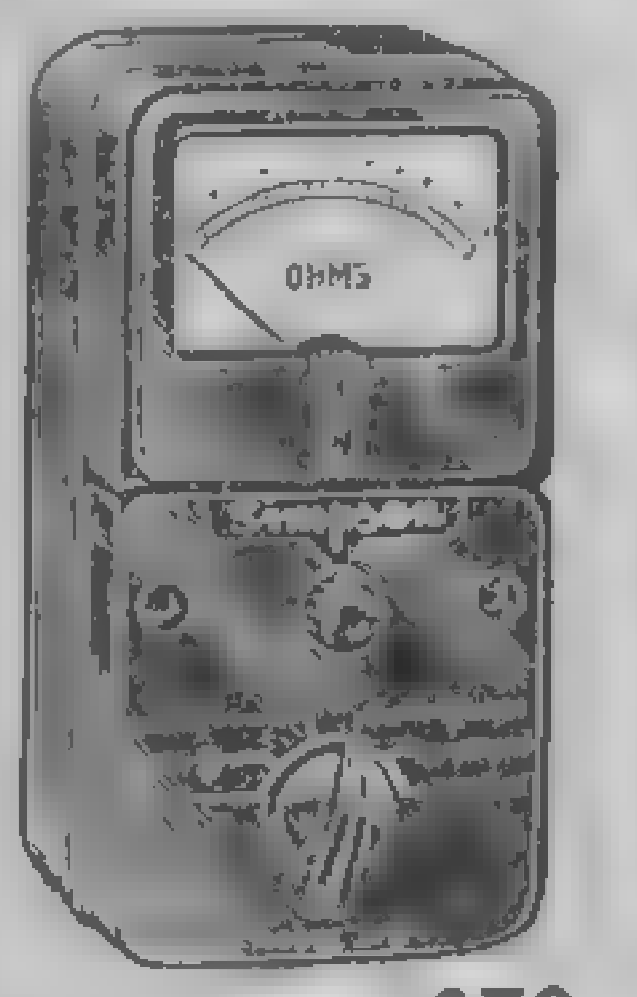
87 F 207. *$2 Down.* NET..........**34.25**

Model 661 DC Ammeter. 0.1, 2.5, 5, 10, 25 amp ranges. Shpg. wt., 2 lbs.

87 F 208. NET...................**17.59**

Handy, Pocket-size all-purpose Instruments.

Lightweight, portable, reliable.



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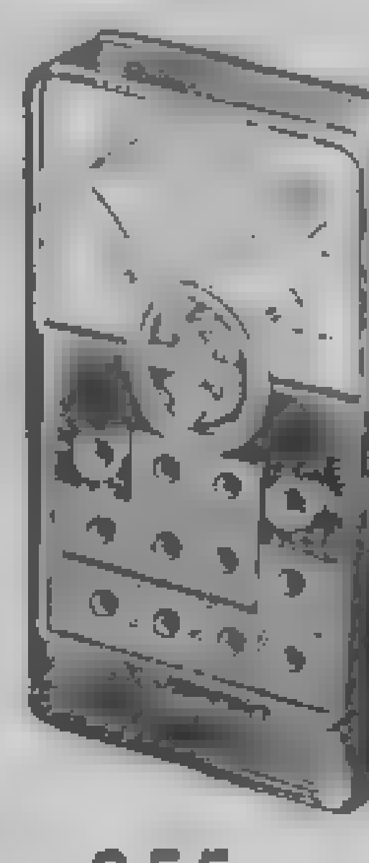

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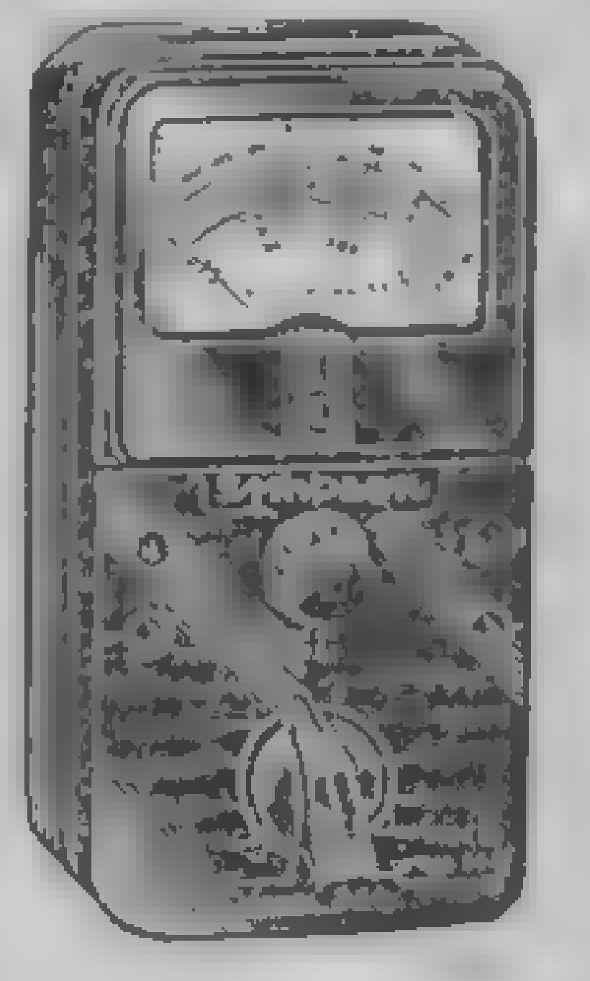

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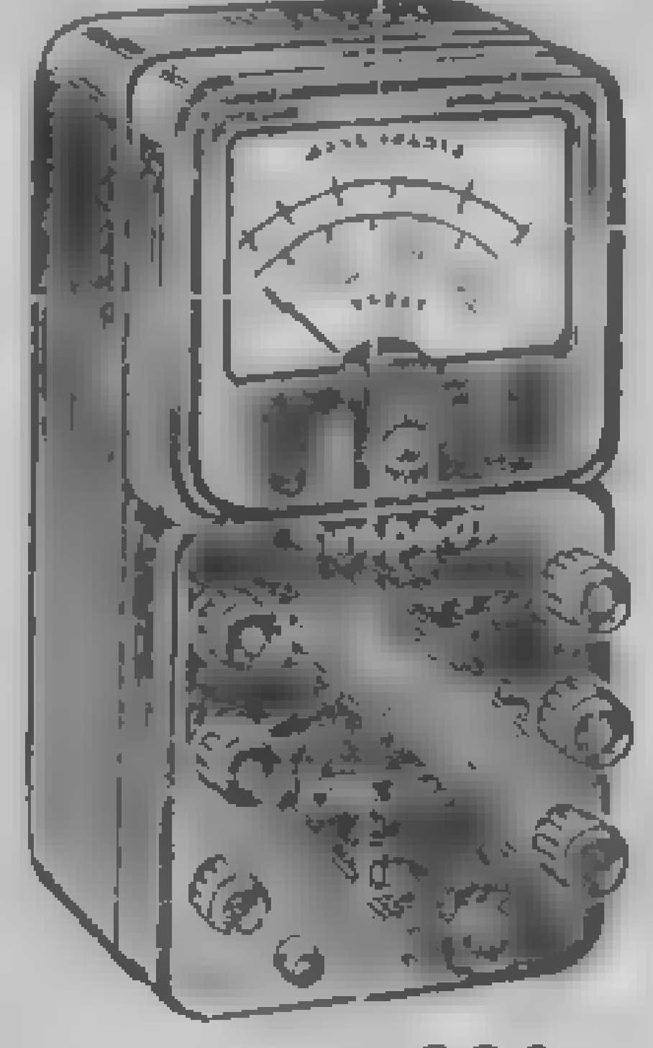


390

Model 372 Ohmmeter. Accurate, wide-range ohmmeter. 3" meter. Basic movement has a sensitivity of 85 microamperes. Ranges: 0-500 (5 ohms center), 0-5000 (50 ohms center), 0-50,000 (500 ohms center), 0-5 megohms (50,000 ohms center), 0-50 megohms (500,000 ohms center). Complete with batteries and test leads. Size, 3x5⅞x2½". Shpg. wt., 3 lbs.

84 F796. *$2 Down.* NET.........**29.35**

Model 373 DC Milliammeter. 0-1-5-10-25-50-100-250-1000 ma. 3x5⅞x2½". 3 lbs.

87 F 117. *$2 Down.* NET...........**21.51**

Model 374 DC Microammeter. 0-50-100-250-500-1000 μa. 3x5⅞x2½". 3 lbs.

87 F 118. *$2 Down.* NET.........**24.45**

Model 375 DC Ammeter. (Not illus.) 0-1-2.15-5-10-25 amps. 3x5⅞x2½". 3 lbs.

87 F 119. *$2 Down.* NET...........**21.51**

Model 370 AC Ammeter. (Not illus.) Ranges: 0-1-2.5-5-10-25 amperes. Built-in current transformer. 3" meter. Size, 3x5⅞x2½". Less leads. For measurement of 60 cycle AC only. Shpg. wt., 3 lbs.

84 F794. *$2 Down.* NET.........**22.49**

Model 355 Midgetester. Miniature, highly accurate VOM. Fits in palm of hand. 10,000 ohm/volt sensitivity on AC and DC. Accuracy: ±3% on DC; ±5% on AC. 100 microamp, self-shielded and shockproof meter movement. Ranges: AC, DC v., 0-3-12-60-300-1200. Resistance: 0-10,000-100,000 ohms, 0-1-10 megs. Function, range selection by lead insertion. Styrene case. 2¾x4½x1". Batteries, leads. 2 lbs.

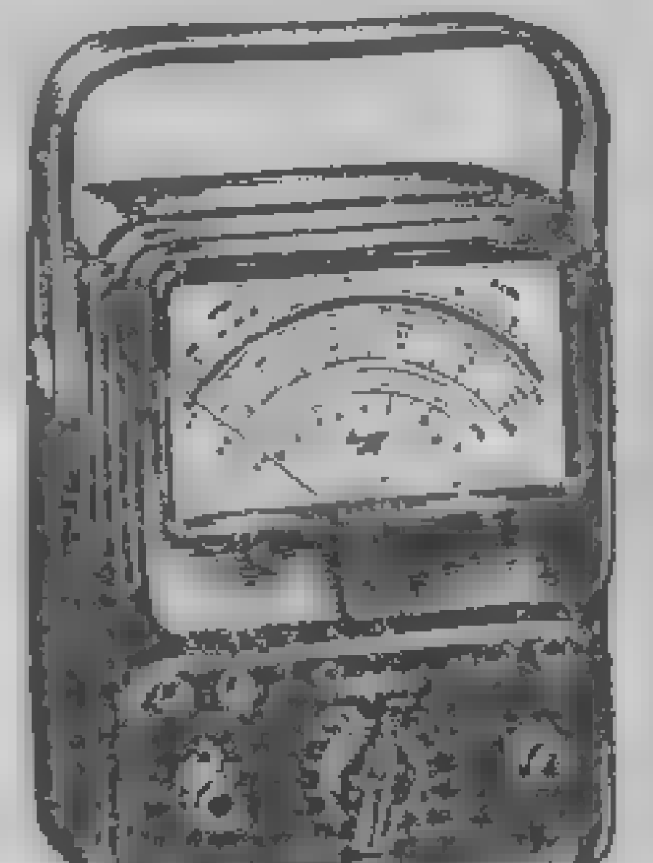
84 FC 734. *$2 Down.* NET.......**34.25**

Model 240 Hammeter. Popular, low-cost VOM. Sensitivity, 1000 ohms/v. on AC and DC. DC volts, 0-3000; AC volts, 0-3000; DC ma, 0-750; ohms, 0-3000-300,000. Bakelite case, 3x5⅞x2½". Complete with battery, leads. Shpg. wt., 3 lbs.

84 F 787. *$2 Down* NET...........**31.31**

Model 390 Volt-Amp-Wattmeter. Measures power consumption of any 60 cycle AC appliance, radio or TV. Speeds trouble-shooting. Ranges: AC volts, 0-150 and 0-300; amps, 0-3 and 0-15; watts, 0-300, 0-600, 0-1500 and 0-3000. 3" meter. 5⅞x3x2½". With break-in plug and leads. 4 lbs.

84 F788. *$2 Down.* NET........**47.97**



MODEL 270 VOM

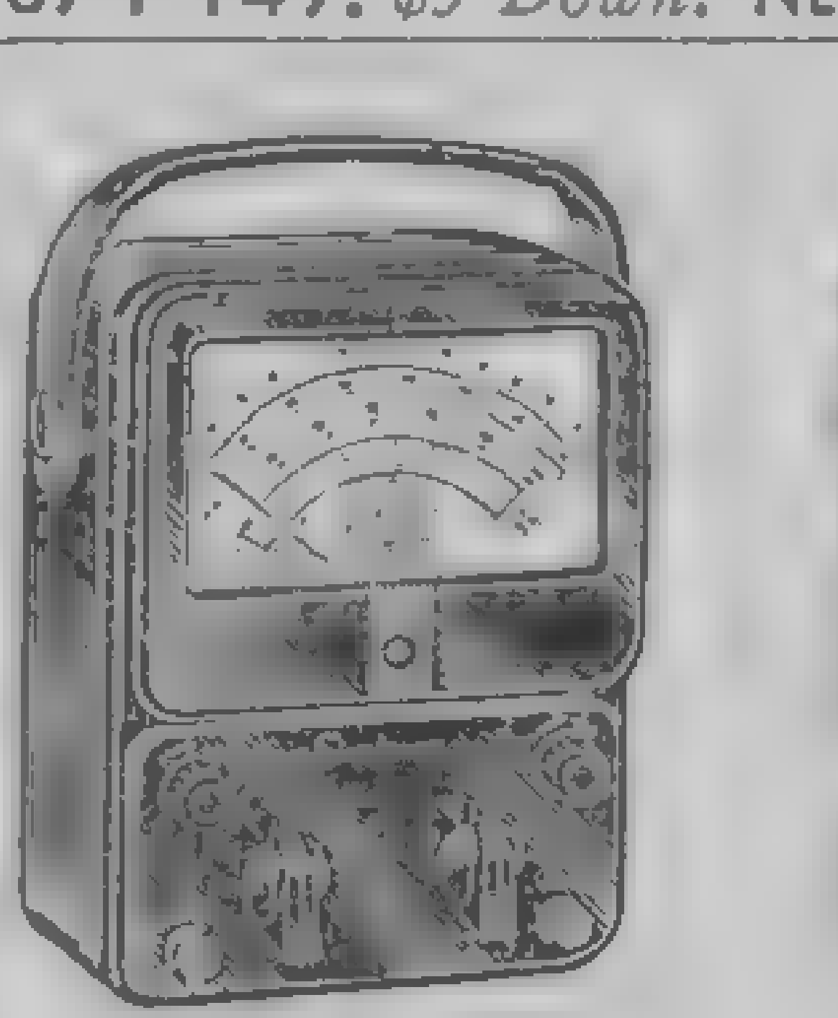
- Extremely Reliab
- Lab Accuracy
- Mirrored Scale
- Knife-Edge Pointer

This unit will give identical readings d
or even weeks apart. Includes all features
the famous "260" plus laboratory accura
mirrored scale, and knife-edge pointer. I
sensitivity of 20,000 ohms-per-volt; f
from 20-25,000 cps on AC; complete shield.
from electrostatic-field interference. F
scale DC accuracy is 1½%; AC, 2%. Cov
30 ranges. DC: 0-250 mv; AC and DC vo
0-2.5-10-50-250-1000-5000 (5000 ohms
AC); AF output, 0-2.5-10-100-500 v.; I
current, 0-50 μa, 0-1-10-100-500 ma,
amps; resistance, 0-2000-200,000 ohms
ohm center), 0-20 megohms; 4 db ran
from −20 to +50. With batteries and t
leads. See Model 260 listing at left for ac
sories. Black plastic case. 5¼x7x3⅛". Sh
wt., 5 lbs.

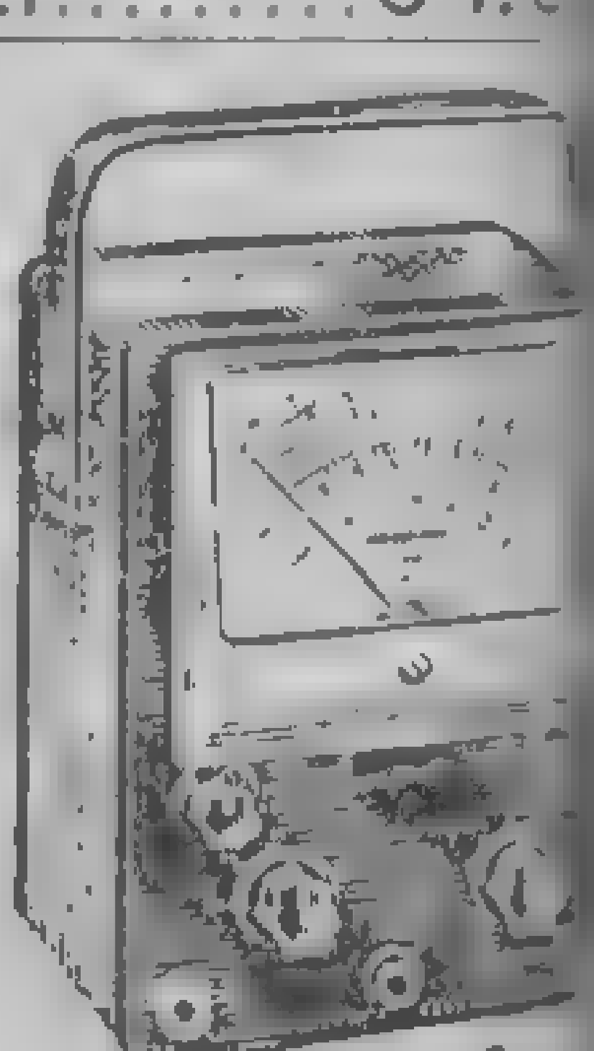
87 F 123. *$5 Down.* NET..........**58.7**

Model 270 RT. Same as above, but in roll-
case. Shpg. wt., 9 lbs.

87 F 149. *$5 Down.* NET.........**64.**



303



3

MODEL 303 VTVM

Compact, accurate VTVM. Ranges:
and DC volts, 0-1.2-12-60-300-1200;
volts, 0-1.2-12-60, flat to 100 kc; resistan
0-1000-100,000 ohms and 0-1-10-1000 me
Also reads decibels from −20 to +63 i
ranges. Large 4½" dial scale with easy-
read calibrations. Bakelite case, 7x5
3⅛". With DC and AC-Ohms probes;
RF probe (below). For 110-120 volts,
cycle AC. 6½ lbs.

84 F 712. *$5 Down.* NET..........**72.**

Model 303 RT. As above, but in "roll to
case. Shpg. wt., 8 lbs.

84 F 725. *$5 Down.* NET..........**81.**

HV Probe. Extends DC range to 30 KV, 1

84 F 715. NET...................**11**

RF Probe. Measures RF volts. Wt., 1

84 F 716. NET......................**8.**

MODEL 311 VTVM

Highly sensitive VTVM. Ranges: 0-1.5
15-50-150-500-1500 DC volts; 22 meg inp
AC voltage: 0-1.5-5-15-50-150-500-1500;
meg input, minimum. Resistance: 0-1
10K-100K ohms and 0-1-10-100-1000 m
AF voltage: 0-1.5-5-15-50-150-500-1500,
cycles to 100 KC, ±5%. P-P: 0-4-14-
140-400-1400-4000. Zero center scale. 4
meter. With single DC-AC/ohms pr
ground lead. 7½x5⅝x4½". For 105-125
50-60 cycle AC. Shpg. wt., 8 lbs.

87 F 121. *Only $5 Down.* NET....**68.**

0732 High-Voltage Probe. Extends DC
30,000 v. Shpg. wt., 1 lb.

87 F 122. NET ....**11.**

0731 High-Frequency Probe. Shpg. wt., 1

87 F 131. NET......................**11.**

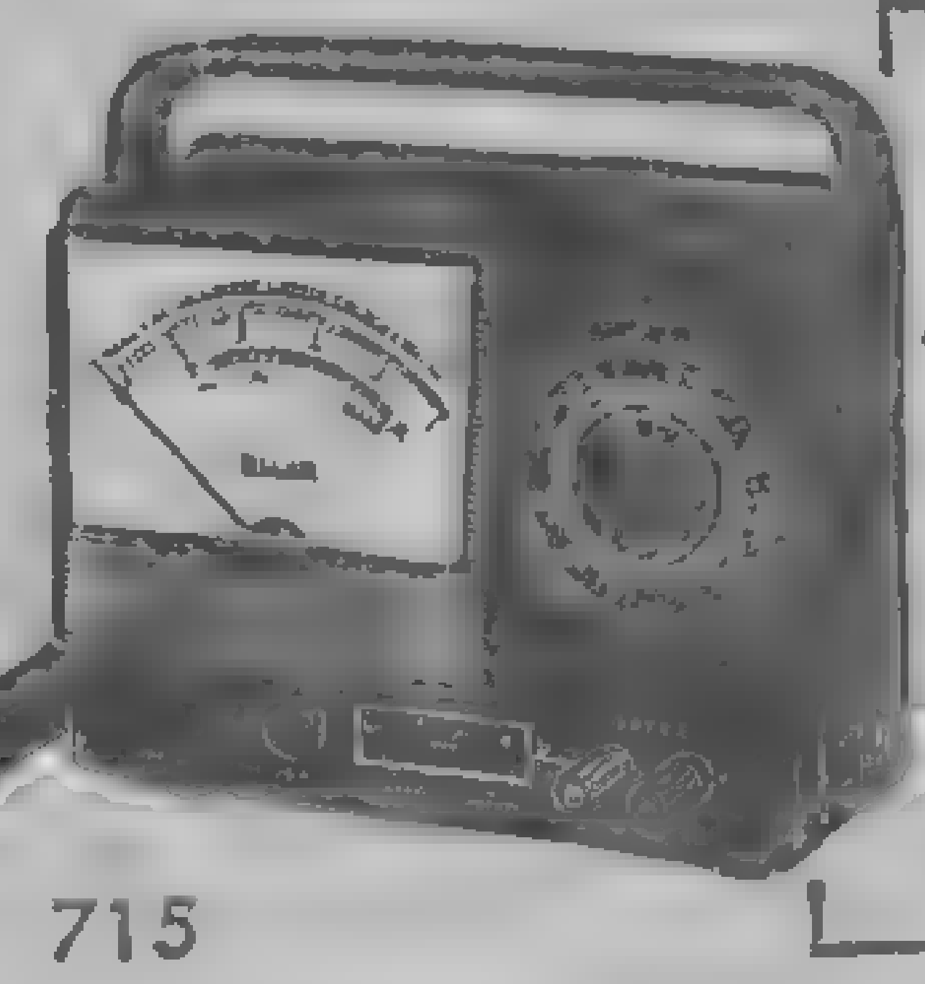
See Pages 159 and 160 for a Complete Selection of Simpson Panel Meters

Simpson and Cornell-Dubilier Test Equipment

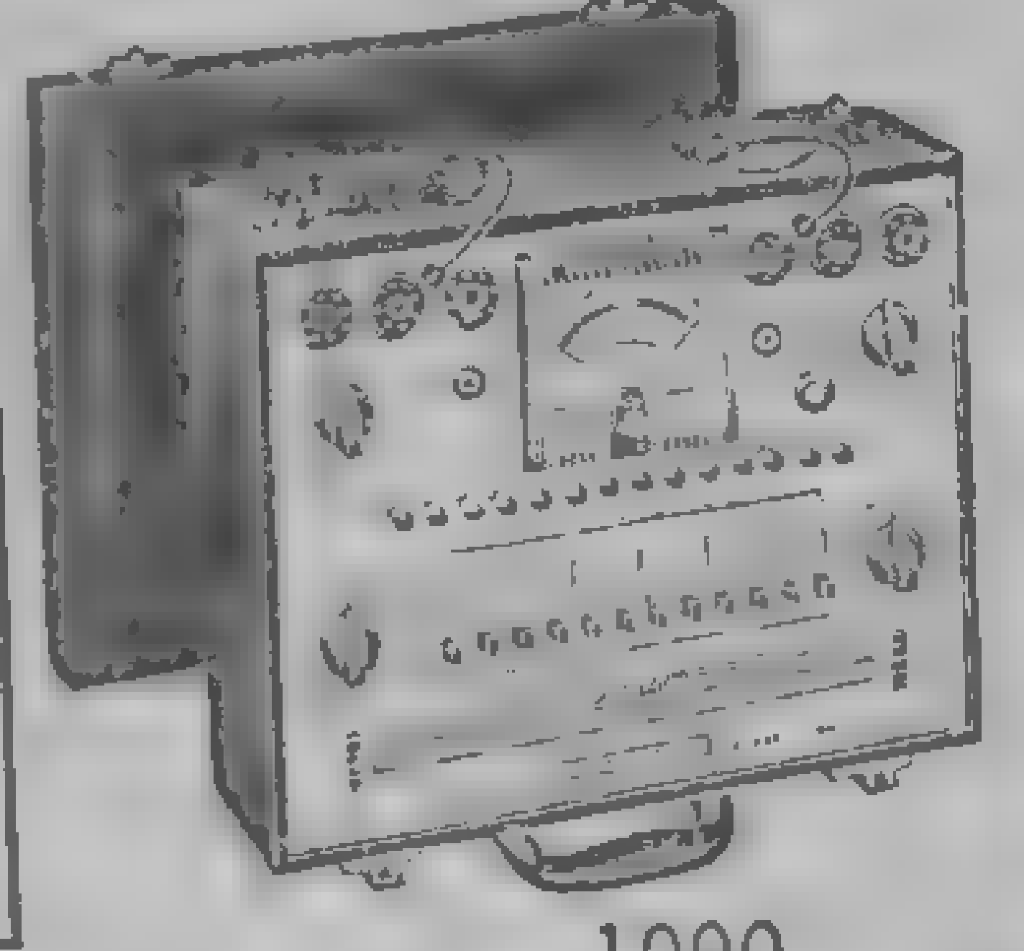
SIMPSON TEST EQUIPMENT

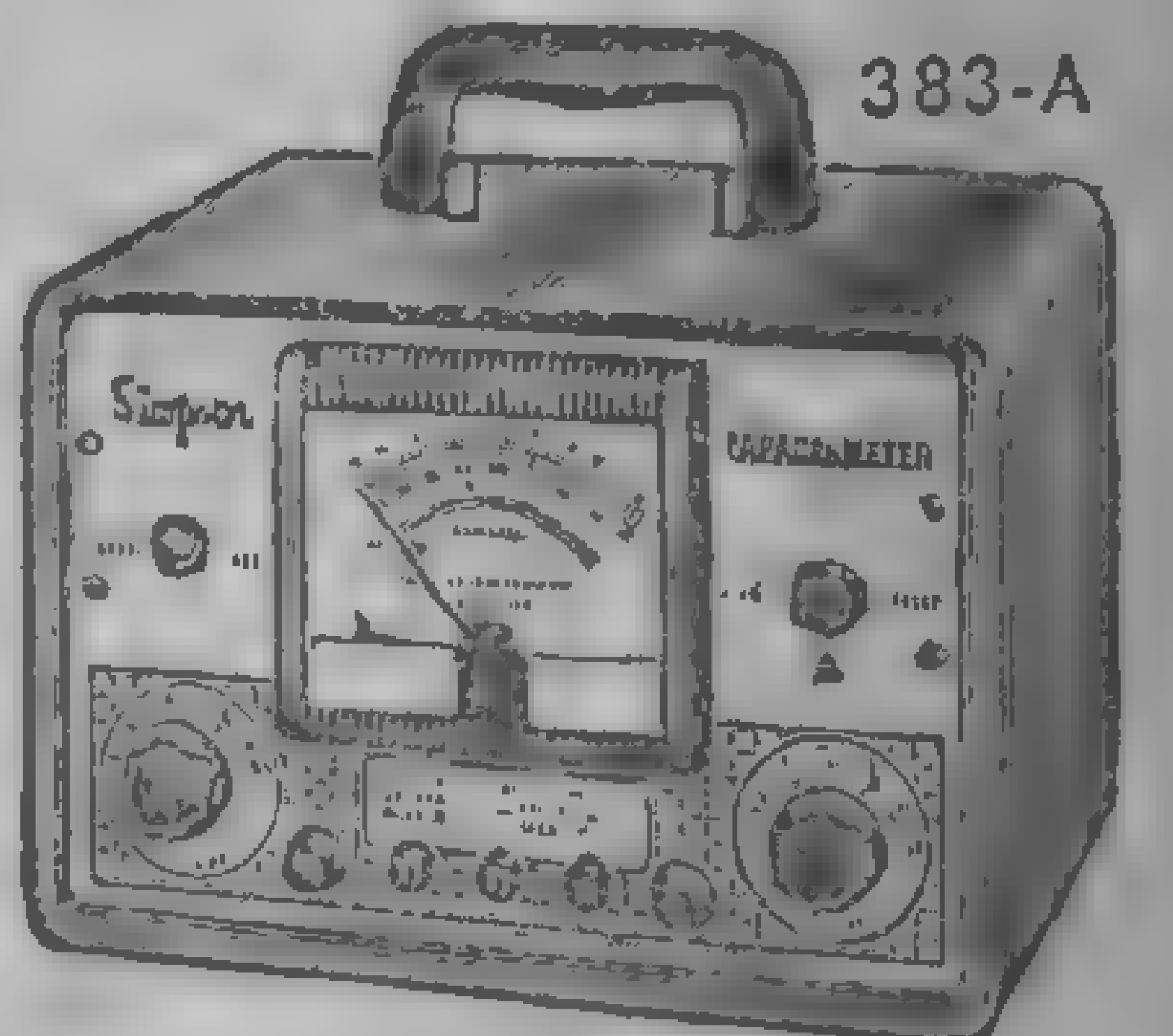
Simpson

466


715

NEW!
- Extremely Sensitive
- 10 Voltage Ranges
- Highly Versatile
- ±5% Accuracy


1000


383-A

MODEL 466 HANDISCOPE

rately priced general-purpose 5" scope. dly constructed—lightweight and com- or easy portability. An excellent instru- for AM, FM or black and white TV ing. Vertical response: ±1 db from 15 to ; 0 db down at 250 kc; usable to 1 mc. l sensitivity: 30 rms mv inch max. In- sistance and capacitance: 0.1 meg, 40 x1 attenuator setting); 0.5 meg, 35 mmf 0 attenuator setting). Sweep range: 15 to 80 kc. Max. input voltage, 400 v. peak. 12¼x8x16¼". With leads. For 110-120 v., cycle AC. Shpg. wt., 24 lbs.
FU 113. *$5 Down.* **NET** ... 146.95

MODEL 458 COLORSCOPE

illus.) 7" dual bandwidth oscilloscope for white and color TV. Vernier and com- ted decimal step attenuator. Horizontal p to 200 kc. Intensity modulation input. aph screen. Frequency response: wideband, db to 4.5 mc; narrow-band, ±2 db, 10 to 300 kc. Deflection sensitivity: wide- , 30 mv rms inch; narrow band, 20 mv inch. For operation from 110-120 volts, 50- cycle AC. Case size (HWD), 16½x11x14½". pg. wt., 38 lbs.
FU 631. *$10 Down.* **NET** .. 244.95

0740 Voltage Doubler Probe. For use above. Detects the video signal at weak oints and locates the weak or dead stage. wt., 1½ lbs.
F 104. **NET**.......................14.36

NEW MODEL 715 AC VTVM

New high-sensitivity general-purpose AC VTVM. Features high input impedance (min., 1 meg @ 1 kc), multi-voltage ranges and wide frequency response. Ideal for hi-fi and general low-level audio work, such as hum and ripple measurements, IF gain and vibration analyzing. Specially designed scale has DB markings both on voltage range positions and meter scale. Ranges: AC rms volts, 0-.01-.03-.1-.3-1-3-10-30-100-300; Decibels, −52 to +52 dbm in 10 ranges. 0 dbm, 1 mv across 600 ohms. Accuracy, ±5% of full scale. Frequency response, 10 cps to 400 kc, ±2 db. Supplied complete with test leads. For 110-120 v., 50-60 cycle AC. Size, 5½x7½x3". Shpg. wt., 5 lbs.
87 FX 205. *$5 Down.* **NET**........68.55

MODEL 1000 TUBE TESTER

Extremely reliable plate-conductance tube tester. Tests all receiving tubes, including 9 pin miniature and subminiatures with a linear and circular base arrangement. Tests are made under conditions simulating actual use. Easy-to read 4¼" dial indicates percentage of rated plate conductance to assure highly accurate indication of tube condition. Also provides quick, dependable short and leakage tests—shows exact resistance values of shorts and interelement leakage. Each tube element is individually connected to the correct voltage tap—prevents tube damage during testing. Size (HWD): 15¾x11¾x6". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 19 lbs.
84 FU 723. *$5 Down.* **NET**..........186.15

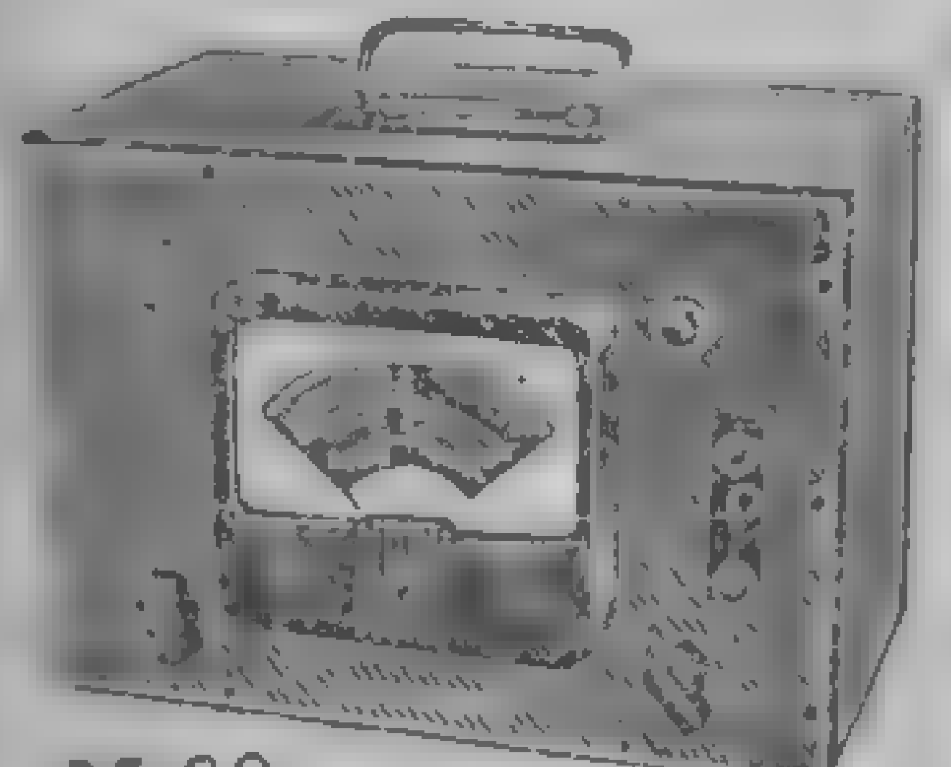
MODEL 383-A CAPACOHMETER

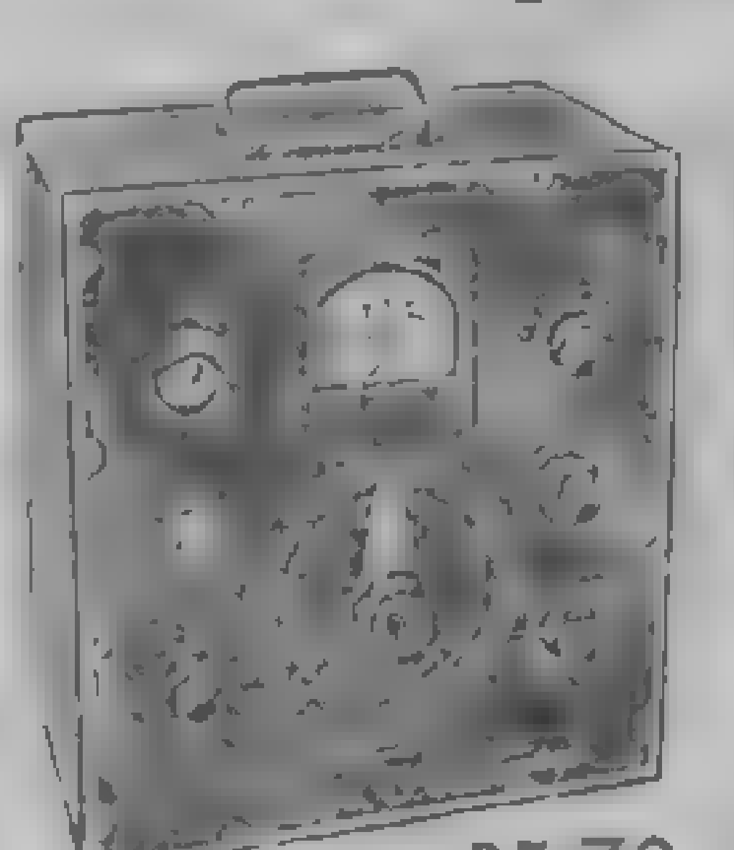
Time saving, highly dependable "in or out-of-circuit" capacitor leakage tester. Indicates leakage and measures capacitance of paper, mica or ceramic capacitors. No unsoldering is necessary—not even when capacitor is wired in parallel with a resistor. Pulse test quickly detects "borderline" capacitors. 4½" meter. Indicates leakage in ohms—checks for direct short, open, or intermittent conditions in all types of by-pass, coupling and blocking capacitors in a wide capacitance range—from 10 mmf to 10 mfd. Also detects leaks in wiring, sockets, transformers, etc. All measurements made under load conditions 8⅜x11⅜x8½". With test leads. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 11 lbs.
84 FX 630. *$5 Down.* **NET**..........88.15

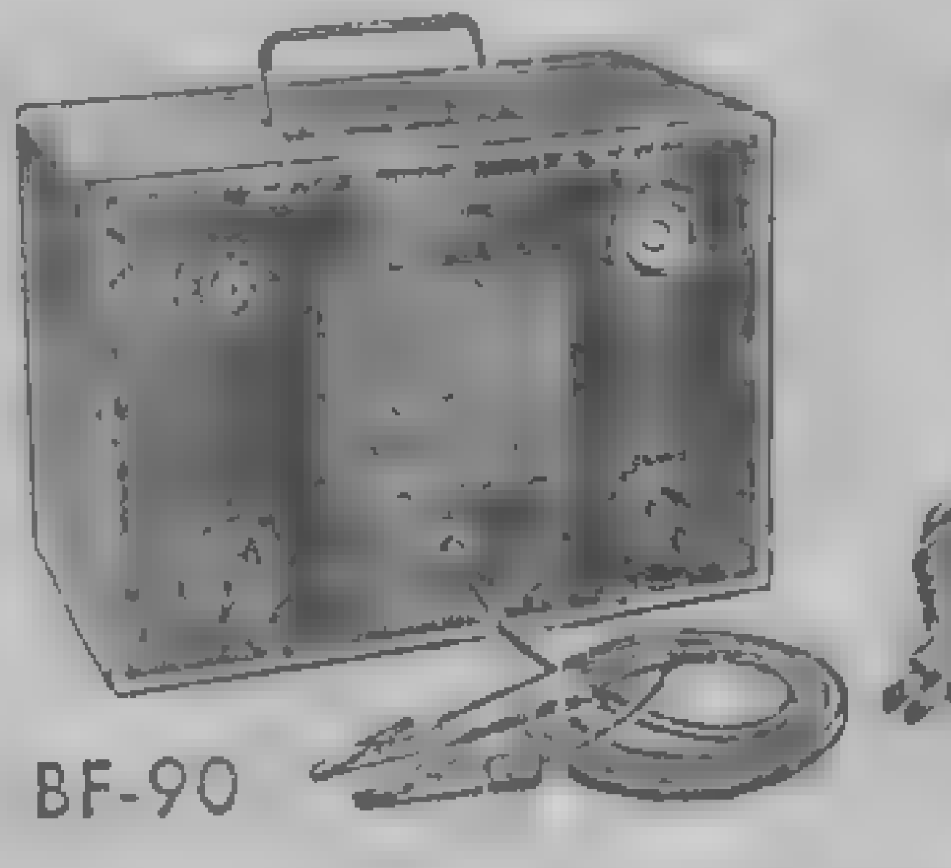
MODEL 382 ANALYZER

(Not illustrated.) Excellent "in circuit" horizontal system analyzer for TV servicing. Uses reliable Q-type test. Checks any transformer or yoke winding in horizontal system for shorts or opens. Checks high-Q systems on quick-reading "Good-Bad" scale—other components directly or on logging scale. Direct reading scales for capacitors from 10 mmf to 0.1 mfd—no bridge to balance. With test cable. 7¾x7½x11¼". For 110-120 v., 50-60 cycle AC. 12 lbs.
87 FX 103. *$5 Down.* **NET**.........68.55

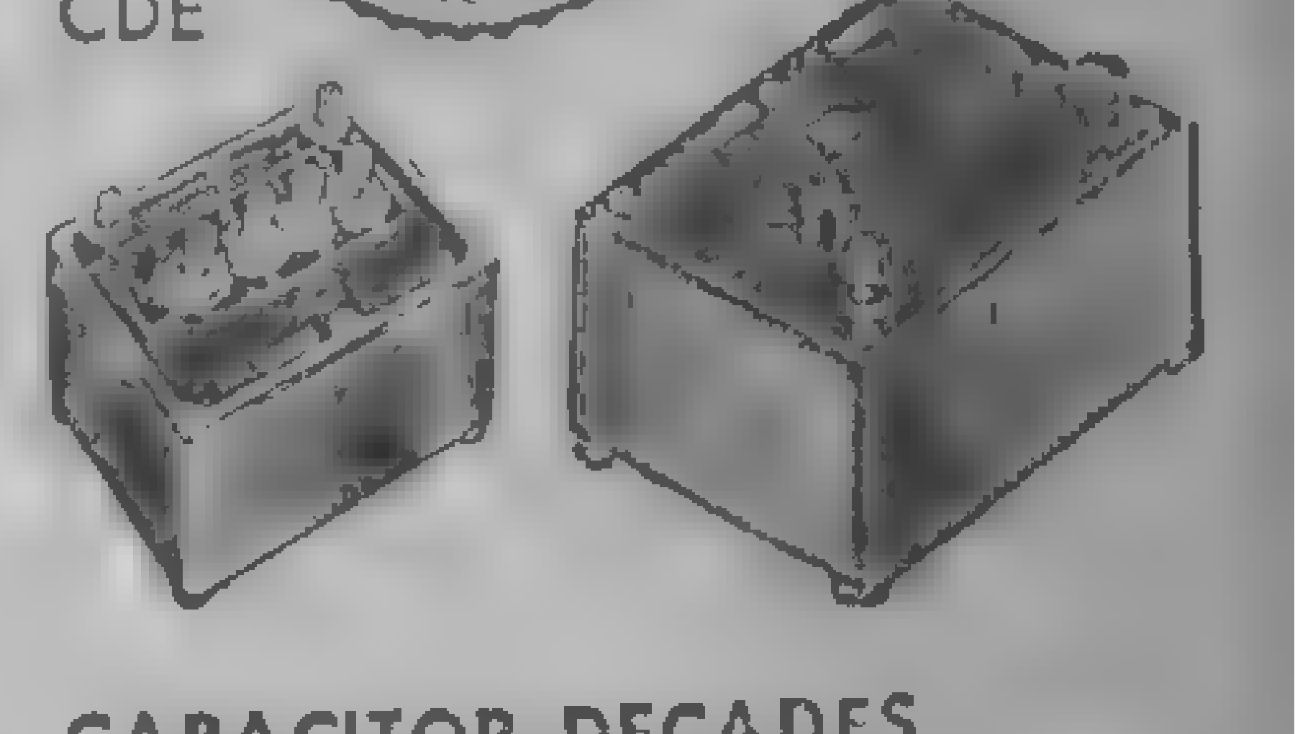
CORNELL-DUBILIER TEST EQUIPMENT


BF-80


BF-70


BF-90

BF-60



BF-80 FLYBACK-YOKE CHECKER

r rapidly locating defects in flyback transformers and yokes. Employs an oscillator circuit incorportating a 6V6 tube. Extremely sensitive—detects short-circuited vacuum tube elements and windings. Will detect a single shorted turn. Also indicates open circuits in transformers, yokes, coils and switches. 4½" microammeter; 50 microamp full-scale sensitivity. Meter scale indicates "GOOD" and "REPLACE"; scale is also numbered for quantitative readings. Sturdy metal case, 5½x7x10". ith test leads. For 110-125 v., 60 cycles AC. pg. wt., 9½ lbs.
4 FU 618. *$5 Down.* **NET**.........55.08

BF-70 CAPACITANCE-RESISTANCE ANALYZER

Accurately checks capacitors and resistors. ien bridge circuit assures permanent accuray; readings not affected by line voltage variaons. Measures capacity from .00001 to 2000 mfd in 4 ranges. Checks power factor of electroytics from 0 to 50%. Indicates insulation resistance of paper, mica, and ceramic capacitors. Built-in VOM for leakage measurement. VOM ranges: DC volts, 0-15-150-750; DC ma, 1.5-15-75; DC resistance, 2.5-2500 ohms, 50-250,000 ohms, 250,000 ohms to 25 megs. 11x10x5½". For 110-125 v., 50-60 cycle AC. hpg. wt., 11 lbs.
84 FU 613. *$5 Down.* **NET**.........84.87

BF-90 CAPACITOR CHECKER

Checks capacitors without removing them from circuit. "Magic-Eye" indicator. Checks capacitors from 30 mmfd to 2000 mfd for open, short or intermittent even when connected across resistances as low as 50 ohms; checks capacitors from .1 mfd to 2000 mfd for short circuit even when connected in parallel with 1-ohm resistor. Size: 7x10x5½". For 110-125 volts, 60 cycle AC. Shpg. wt., 8 lbs.
84 FX 619. *$2 Down.* **NET**... .... 40.91

BF-60 CAPACITOR-RESISTOR BRIDGE

Precision instrument; checks for opens, shorts, intermittents, capacity and power factor of electrolytics as well as insulation resistance of papers, micas and ceramics. Measures capacity between wires and shielding, transformer windings, etc. Ranges: 10 mmf-.005 mfd; .001-5 mfd; .1-50 mfd; 20-1000 mfd. Resistance ranges: 100-50,000 ohms and 10,000 ohms to 5 megohms. Size: 5½x7x10". For 110-125 volts, 50-60 cycle AC. Shpg. wt., 10 lbs.
84 FU 457. *$2 Down.* **NET**..........50.81

CDE CAPACITOR SUBSTITUTION BOX

This reliable capacitor substitution box selects 15 combinations of capacitances, ranging from 10 mfd to 150 mfd, in 10-mfd steps. Voltage range: to 450 volts DC, maximum. Size, 3⅜x5x3". Shpg. wt., 1¾ lbs.
87 F 034. **NET**.................. 13.47

CAPACITOR DECADES

Provide accurate standards over a wide range of capacity. Rated at 600 volts DC and 220 volts AC. May be used singly or in groups of two or more decades. With calibration chart. CDA-5, CDB-5, and CDC-5, ±5%; CDB-3 and CDC-3, ±3% tolerance. CDA-5 has mica capacitors; others have oil-impregnated paper capacitors. 3¼x5x3½". Shpg. wt., 4 lbs.

Stock No.	Mfr's Type	Range Mfd	Mfd/ Step	NET EACH
84 F 452	CDA-5	.0001-.011	.0001	13.75
84 F 453	CDB-5	.01-1.1	.01	13.75
84 F 455	CDB-3	.01-1.1	.01	16.30
84 F 454	CDC-5	1.0-10	1.0	24.15
84 F 456	CDC-3	1.0-10	1.0	26.60

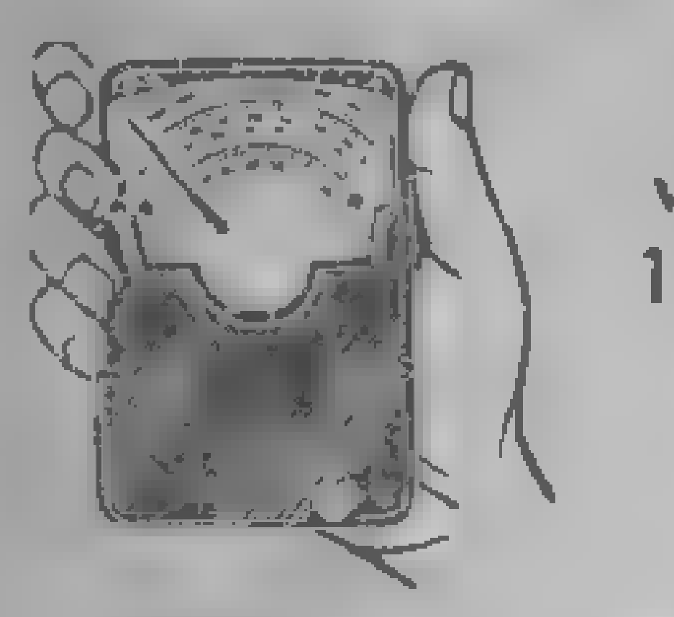
RESISTANCE DECADES

(Not illustrated.) Dependable source of resistance for substitution use. Each decade permits selection of 110 resistance values. Series connected, they cover a range from 1 ohm to 1,111,110 ohms in 1-ohm steps. Have 2 rotary switches with 11 positions which provide quick, easy selection of resistance values. Size, 3⅝x5x3". Shpg. wt., 1¾ lbs.

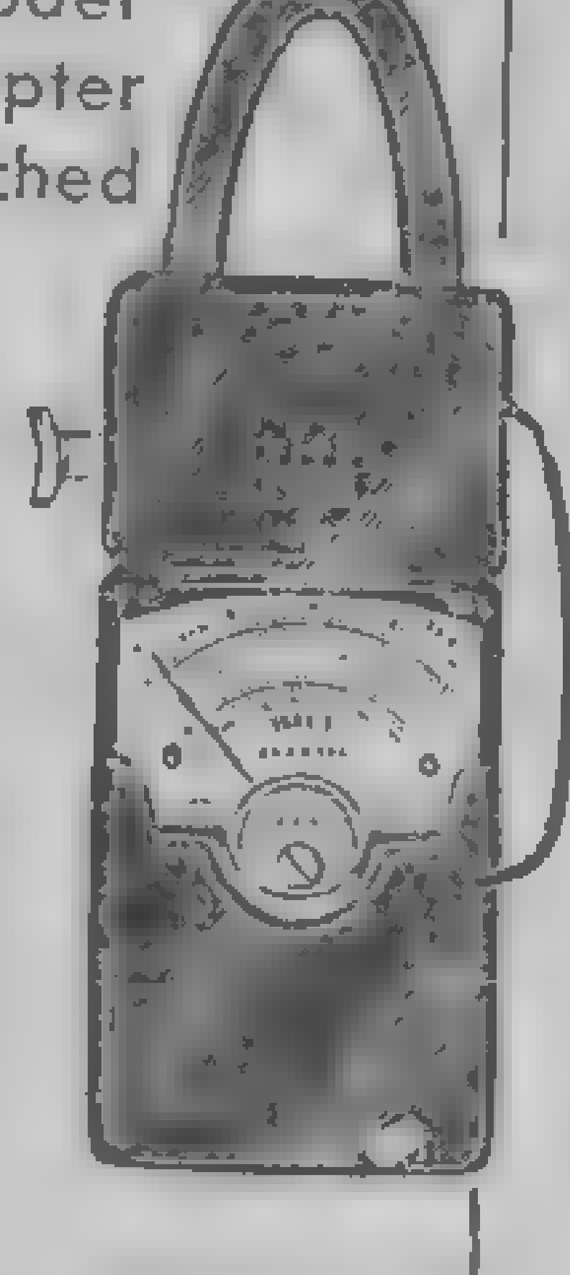
Stock No.	Mfr's Type	Range Ohms	Ohms Step	NET EACH
84 F 615	RDA	1-110	1	14.70
84 F 616	RDB	100-11,000	100	15.15
84 F 617	RDC	10,000-1,100,000	10,000	15.15

Triplett Test Equipment

MINIATURE VOM



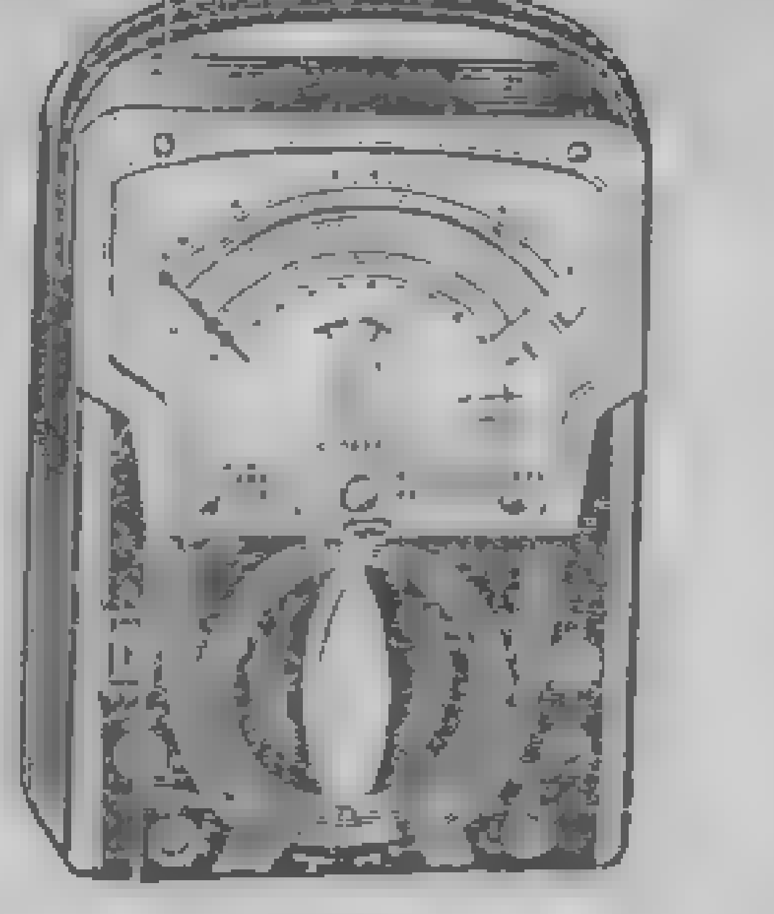
Model 310 VOM



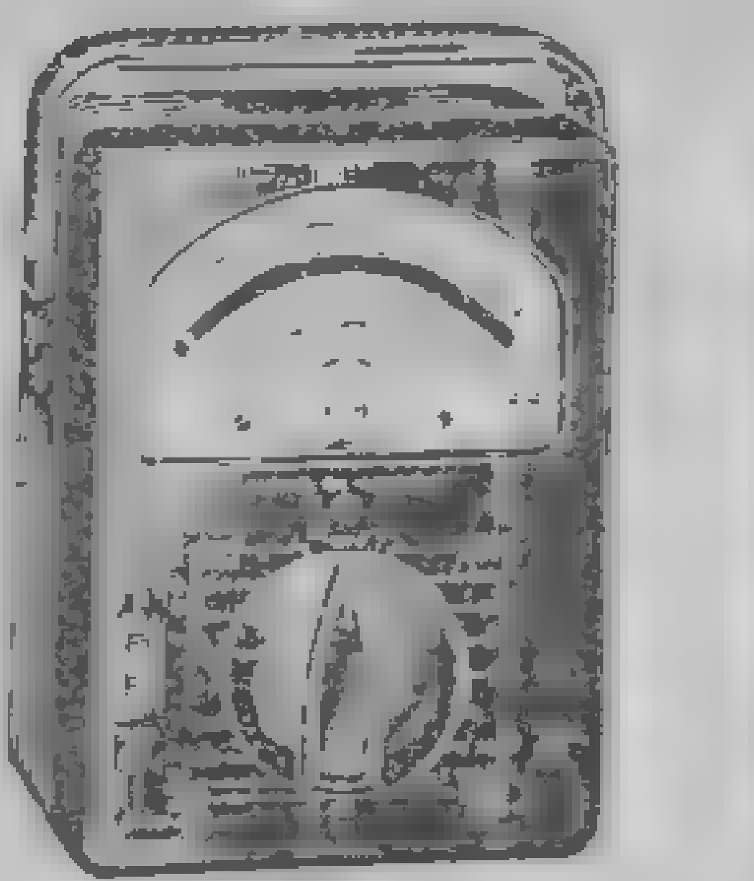
310 VOM with Model 10 Adapter Attached

Model 10 Adapter

A versatile, compact VOM of modern design.
- Large, 5½-Inch Meter
- Instant-Vision Scale
- One-Switch Control
- Fully Insulated Case

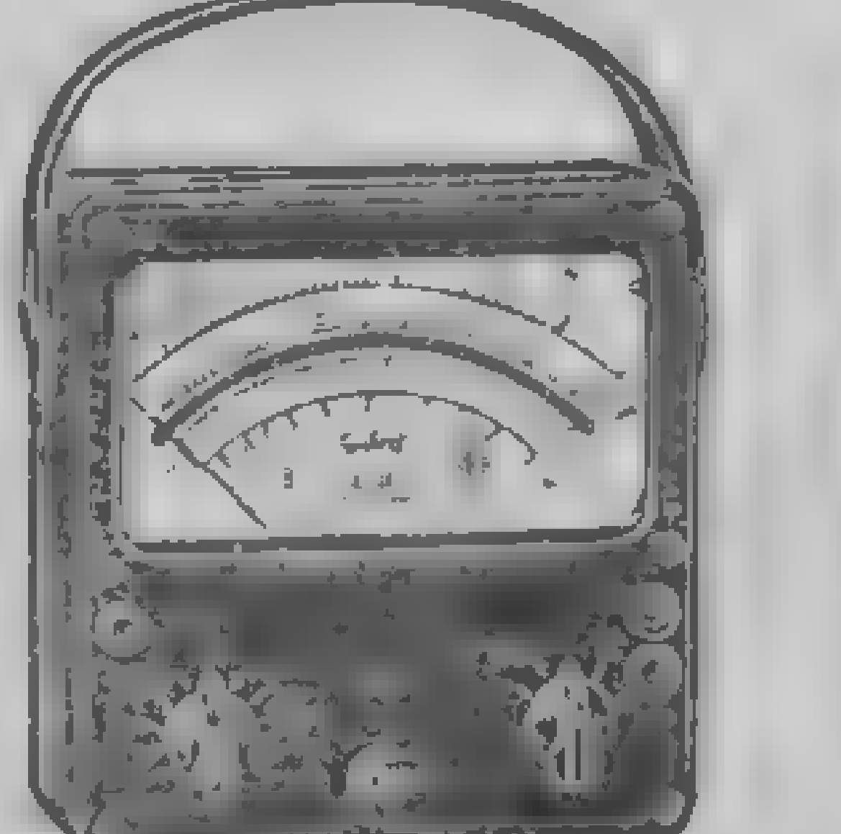


630-PL

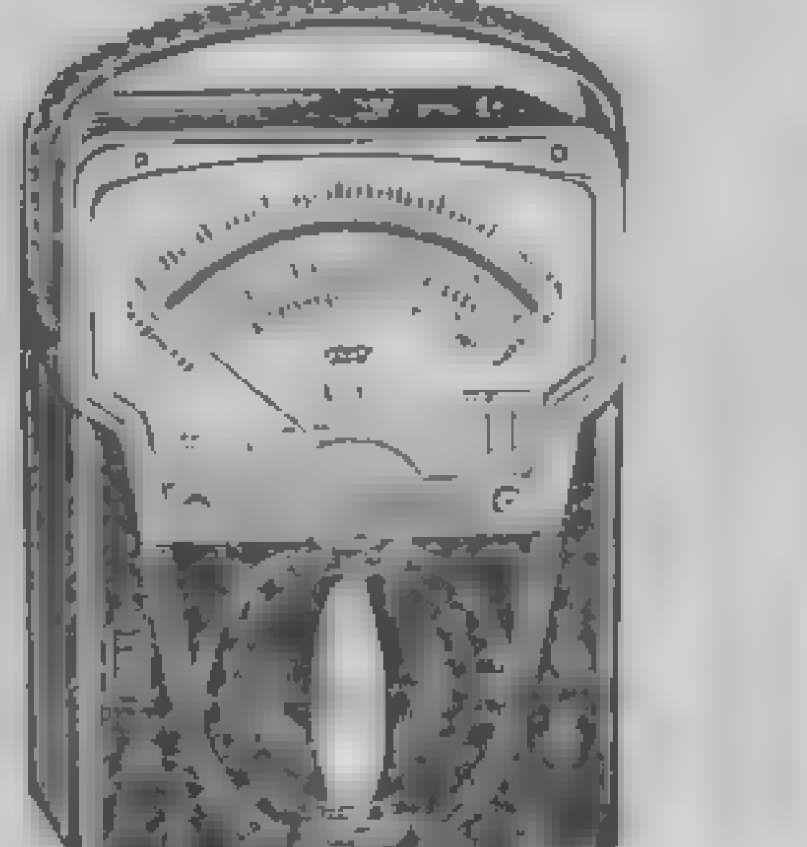


630-A

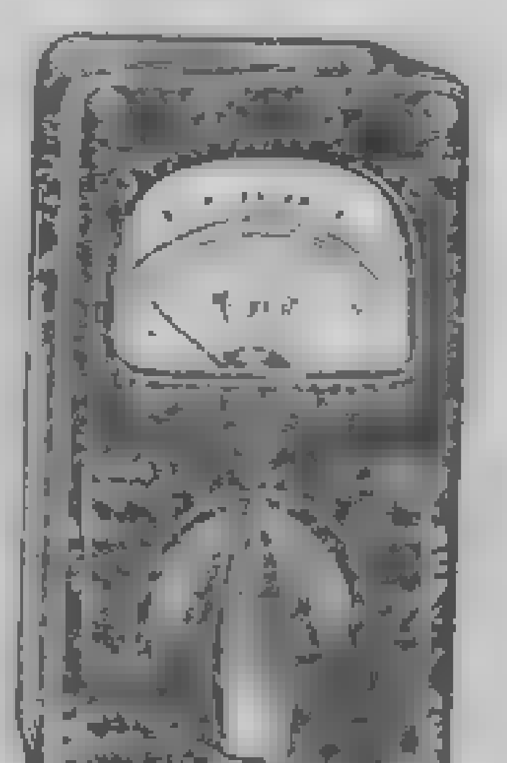
631



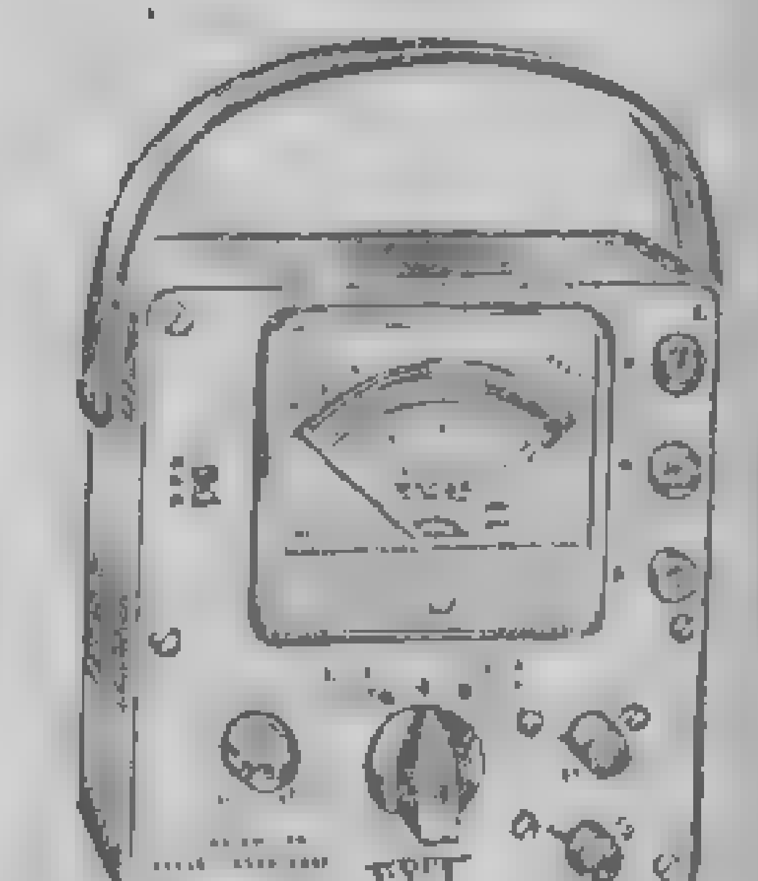
625-NA



630-NA



666-R



690-A

MODEL 310 MINIATURE VOM

- Ultra Compact—Easy To Use
- Provides Complete AC-DC Readings

Versatile, miniature VOM. Ideal for on-the-spot testing. Self-shielded for checking in strong magnetic fields. Ranges: DC volts, 0-3-12-60-300-1200 at 20,000 ohms/volt; AC volts, 0-3-12-60-300-1200 at 5000 ohms/volt; DC μa, 0-600; DC ma, 0-6-60-600; ohms 0-20,000-200,000; megohms, 0-2-20. Accuracy, 3% DC. 4¼x2¾x1 5/16″. With leads, batteries. 1 lb.

84 FC 674. *$2 Down.* NET......... **33.81**

84 F 675. Model 369 Leather Case. For Model 310 only. Wt., 6 oz. NET......3.14

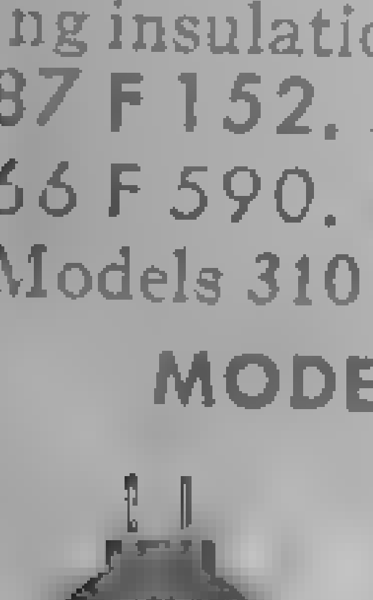
MODEL 10 AMMETER ADAPTER

Miniature AC ammeter clamp-on adapter for use with above or any VOM having a 3 v. AC scale at 5000 ohms per volt. Clamp-on jaws fit around any single conductor to permit direct reading of 0-6-12-30-60-120-300 amps AC without breaking circuit or piercing insulation. 4¼x3¼x1¼″. 2¾ lbs.

87 F 152. NET **14.21**

66 F 590. Model 379 Leather Case. Holds Models 310 and 10. 8 oz. NET........5.39

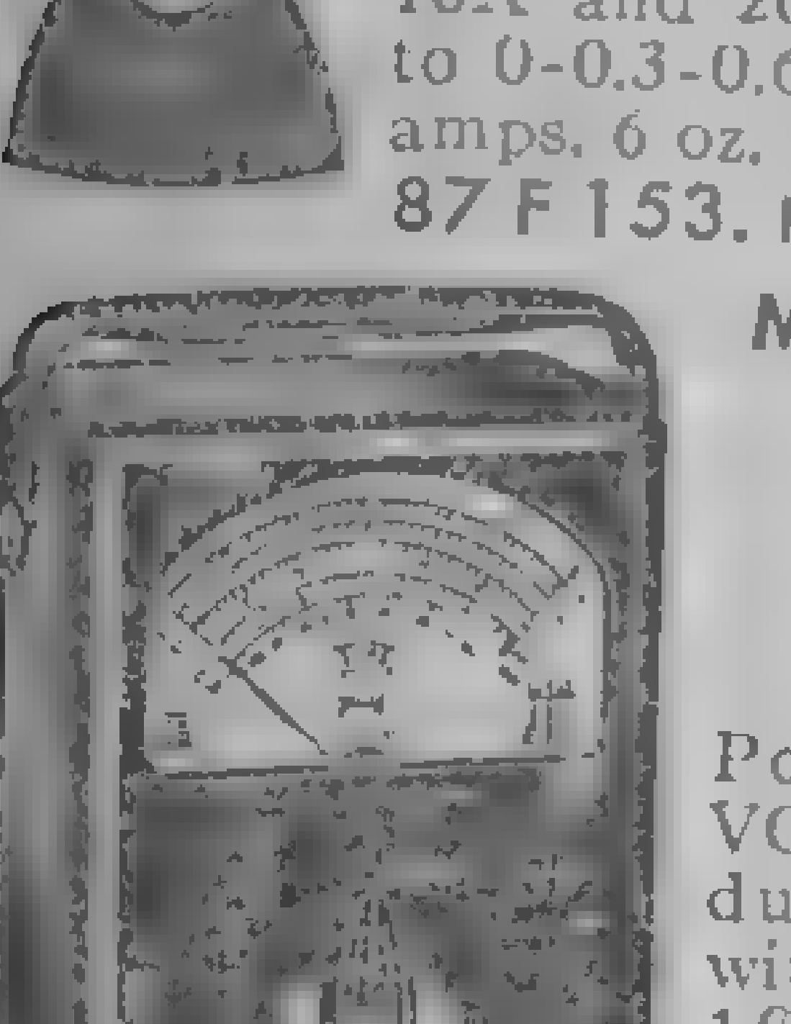
MODEL 101 LINE SEPARATOR



Accessory for Model 10. Electrically splits AC cords for easy ammeter readings. Plugs into AC outlet. Increases sensitivity 10X and 20X. Extends ranges to 0-0.3-0.6-1.2-1.5-3-6-12-30 amps. 6 oz.

87 F 153. NET **5.39**

MODEL 630 VOM



- Easy-To-Read 5½″ Meter
- 1% Resistors
- High Sensitivity

Popular, accurate VOM designed for industry. 5½″ meter with 4⅜″ scale. Uses 1% resistors, each sealed in its own molded compartment. "Unit construction"—resistors, shunts, rectifier, and batteries are housed in molded base integral with the switch. Ranges: DC and AC volts, 0-3-12-60-300-1200-6000 (DC at 20,000 ohms per volt, AC at 5000 ohms per volt); DC current, 0-60 microamps, 0-1.2-12-120 ma and 0-12 amps; resistance, 0-1000-10,000 ohms and 0-1-100 megs; db −20 to +77 in 6 ranges; output v., 0-3-12-60-300-1200. 20-position switch selects both circuit and range. Plastic case. Size, 7½x5½x3 7/32″. With batteries. 50″ test leads and clear instructions. Shpg. wt., 6 lbs.

84 F 568. *$2 Down.* NET. **43.61**

MODEL 630-A VOM. A precision, laboratory-type instrument similar to Model 630 above, but with ½% resistors and mirrored scale. Accuracy 1½% on DC to 1200 v. With batteries and 48″ leads. Shpg. wt., 6 lbs.

84 F 574. *$5 Down.* NET..........**53.41**

MODEL 630-PL VOM

Portable VOM. 5½″ meter with 4½″ scale. AC and DC v., 6 ranges each, to 5000 v. (DC at 20,000 ohms/v., AC at 5000 ohms/v.); DC current, 0-100 μa, 0-10-100-1000 ma, and 0-10 amps; resistance, 0-1000-10,000 ohms and 0-1-100 megs; db, −20 to +75 in 6 ranges; output v., 0-3-10-50-250-1000 at 5000 ohms/v. Accuracy: ±3% on DC (2.5 v. to 1000 v.); ±4% on AC (3 v. to 1000 v.); ±5% on AC-DC (at 5000 v.). 7½x5½x3 11/32″. Batteries, leads. 6 lbs.

87 F 150. *$2 Down.* NET..........**43.61**

MODEL 630-APL. As above, but has 4.66″ mirrored scale; ±1½% accuracy on DC (2.5 v. to 1000 v.); ±3% on AC (3 v. to 1000 v.). Shpg. wt., 6 lbs.

87 F 151. *$5 Down.* NET..........**53.41**

MODEL 631 VTVM-VOM

Battery-operated, 33-range VTVM and VOM. VTVM: 0-1.2-6-30-120 DC volts, 11 megohms input impedance. VOM: DC volts, 0-3-12-60-300-1200 at 20,000 ohms/volt; AC volts, and audio output volts, 0-3-12-60-300-1200 at 5000 ohms/volt; DC μa, 0-60; DC ma, 0-1.2-12-120-1200 at 250 mv; DC amps, 0-12 at 250 mv; db, −20 to +63; ohms, 0-1500-15,000; megohms, 0-1.5-150. 3 11/32x5½x7½″. Batteries, leads. 5 lbs.

84 F 546. *$5 Down.* NET..........**63.21**

MODEL 625-NA VOM

Wide-range VOM. Large mirror scale. DC volts, 0-1.25-5-25-125-500-2500 at 20,000 ohms/volt and 0-2.5-10-50-250-1000-5000 at 10,000 ohms/volt; DC current, 0-50 μa, 0-1-10-100-1000 ma and 0-10 amps; resistance, 0-2000-200,000 ohms, 0-40 megs. AC volts, 0-2.5-10-50-250-1000-5000 at 10,000 ohms/volt. 5½x2½x6″. With batteries and leads. Wt., 3 lbs.

84 F 575. *$5 Down.* NET..........**53.41**

MODEL 629 CASE. Leather case with handle. Shpg. wt., 1 lb.

84 F 561. NET....................**7.06**

MODEL 630-NA VOM

Offers unusually high accuracy. 70 ranges: ±1½% on DC to 1200 v.; ±3% on AC to 1200 v. Features: DC volts: 8 ranges to 6000 (10,000 ohms/v.); 8 ranges to 3000 (20,000 ohms/v.). AC volts: 6 ranges to 6000 (5000 ohms/v.); 6 ranges to 3000 (10,000 ohms/v.). Db: −20 to +77 in 12 ranges. DC microamps: 1 range to 120 (240 mv); 2 ranges to 600 (120 mv). DC milliamps: 4 ranges to 1200 (240 mv); 3 ranges to 600 (120 mv). DC amps: 1 range to 12 (240 mv); 1 range to 6 (120 mv). Resistance: 3 ranges to 100,000 ohms; 3 ranges to 100 megohms. 7½x5½x3 11/32″. Mirror scale. With leads, batteries. Wt., 6 lbs.

84 F 512. *$5 Down.* NET.........**73.01**

MODEL 666-R VOM

Pocket-sized multitester with 1000 ohm/volt sensitivity. Accuracy, ±3%. Ranges: DC and AC volts, 0-10-50-250-1000-5000; DC ma, 0-10-100; DC amps, 0-1; ohms, 0-3000-300,000; megohms, 0-3; output volts, 0-10-50-250-1000. 5⅞x3 1/16x2 9/16″. With battery and test leads. Shpg. wt., 4 lbs.

84 F 557. *$2 Down.* NET.......... **28.91**

MODEL 666-HH VOM

(Not illus.) A low-cost, compact 1000 ohms-per-volt VOM. Has 3″ meter with sensitive 400 μa movement. Ranges include: AC and DC volts, 0-10-50-250-1000-5000 at 1000 ohms/volt; DC ma, 0-100-500; ohms, 0-2000-400,000. Accuracy is 3%. 3 jacks cover all ranges. High-impact case. 5⅞x3 1/16x2 9/16″. With battery and 50″ leads. 4 lbs.

84 F 555. *$2 Down.* NET . . . **26.95**

MODEL 690-A TRANSISTOR TESTER

Tests leakage and gain of all low and medium-power PNP and NPN transistors. Separate Calibrate and Gain buttons. Meter has 2 tri-color scales. Leakage range: 0-600 microamps, base to collector (emitter open). Current gain: 5 to infinity, measured as DC Beta. Transistor socket and external leads for any base layout. With 26″ leads and batteries. 6x5½x2½″. 3 lbs.

84 F 549. *$2 Down.* NET **28.91**

MODEL 629 CARRYING CASE. Black leather case for Model 690-A. Shpg. wt., 1 lb.

84 F 561. NET....................**7.06**

VOM ACCESSORIES

HIGH-VOLTAGE PROBES. For Series 630 and 631 meters. Completely insulated 11¾″ probe with 48″ leads. Av. shpg. wt., 8 oz.

Stock No.	Type	Voltage Range	NET
87 F 133	T-79-68	0-12,000 DC	14.21
87 F 134	T-79-69	0-12,000 AC	14.21
84 F 544	T-79-70	0-30,000 DC	14.21
87 F 135	T-79-71	0-30,000 AC	14.21

LEADS. Make readings possible in cramped locations. Type 611 leads allow use of Model 10 adapter with any VOM having 3-v. AC scale at 5000 ohms/volt (630 and 631 meters). Type 311 leads permit separating Model 10 from 310 VOM. Shpg. wt., 1 lb.

87 F 347. Type 611 Leads. NET......**1.86**

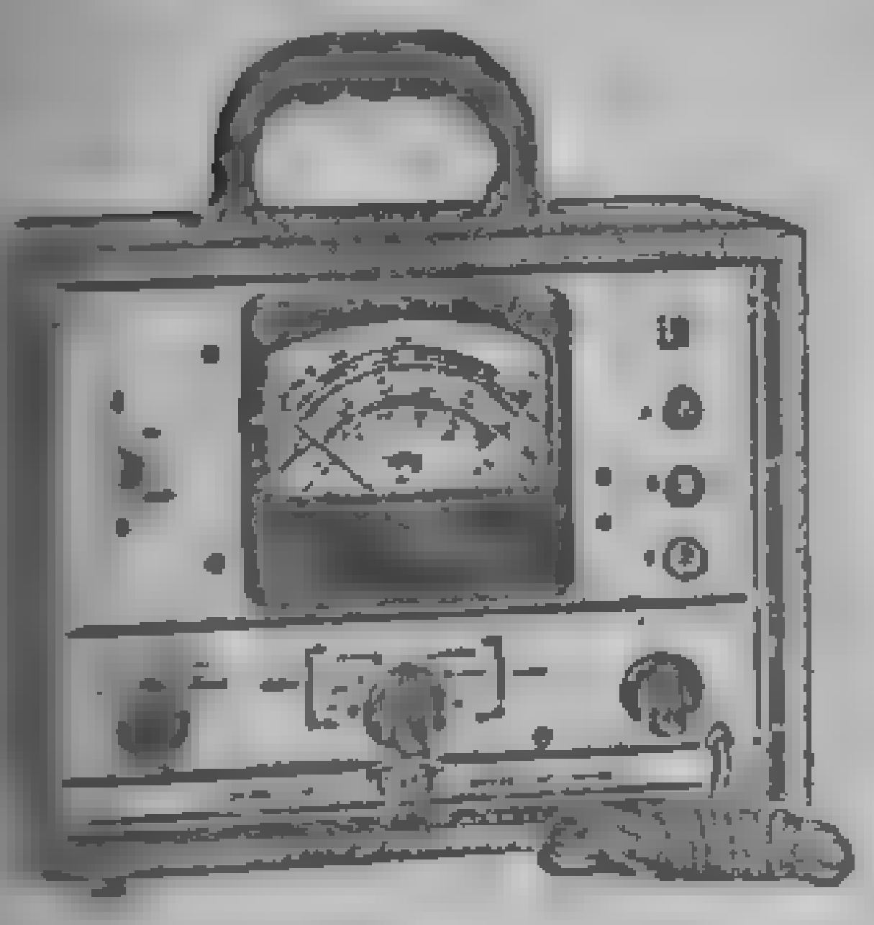
87 F 174. Type 311 Leads. NET......**1.86**

CARRYING CASES AND STANDS. *Black cowhide leather cases. 639-N has front flaps for operating meter in case. 639-P is sponge padded; has top flap for fast removal of tester. 225A33 stand holds meter at 45° angle for easier reading.

Stock No.	Type	For Testers	Wt.	NET
84 F 569	639-N*	Series 630 & 631	1½	9.31
84 F 562	639-P*	Series 630 & 631	1½	14.00
84 F 560	669*	666-R & 666 HH	1½	5.98
84 F 573	T225A33	Series 630 & 631	1	.49

Selected Brand Name Test Equipment

PLETT TEST EQUIPMENT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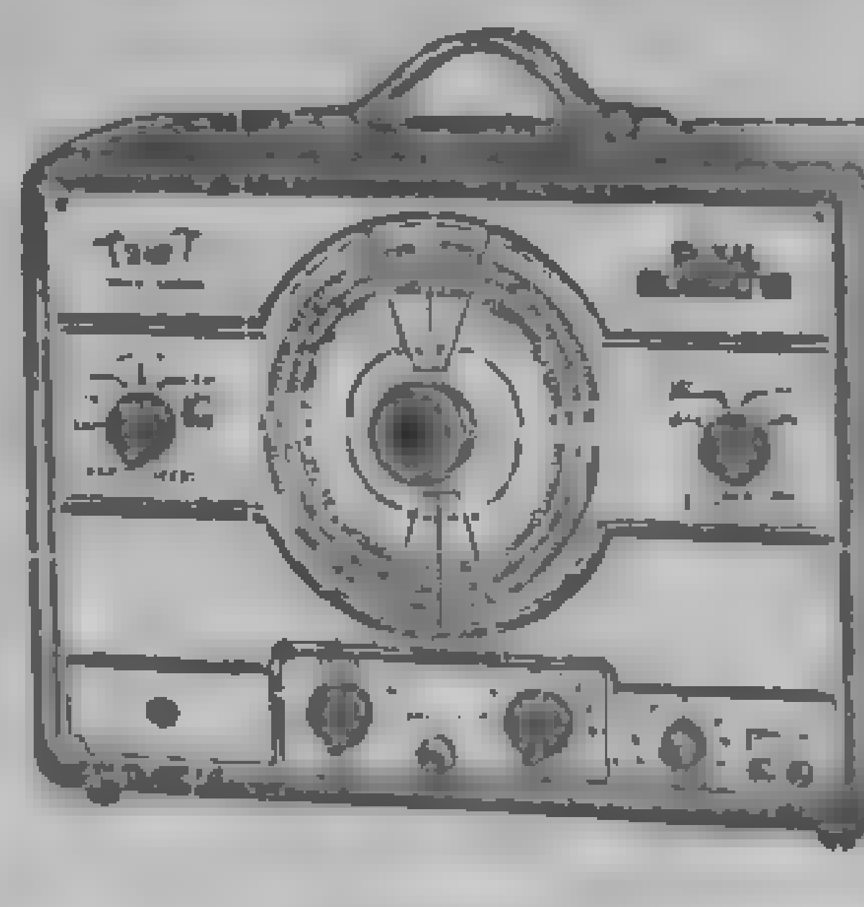
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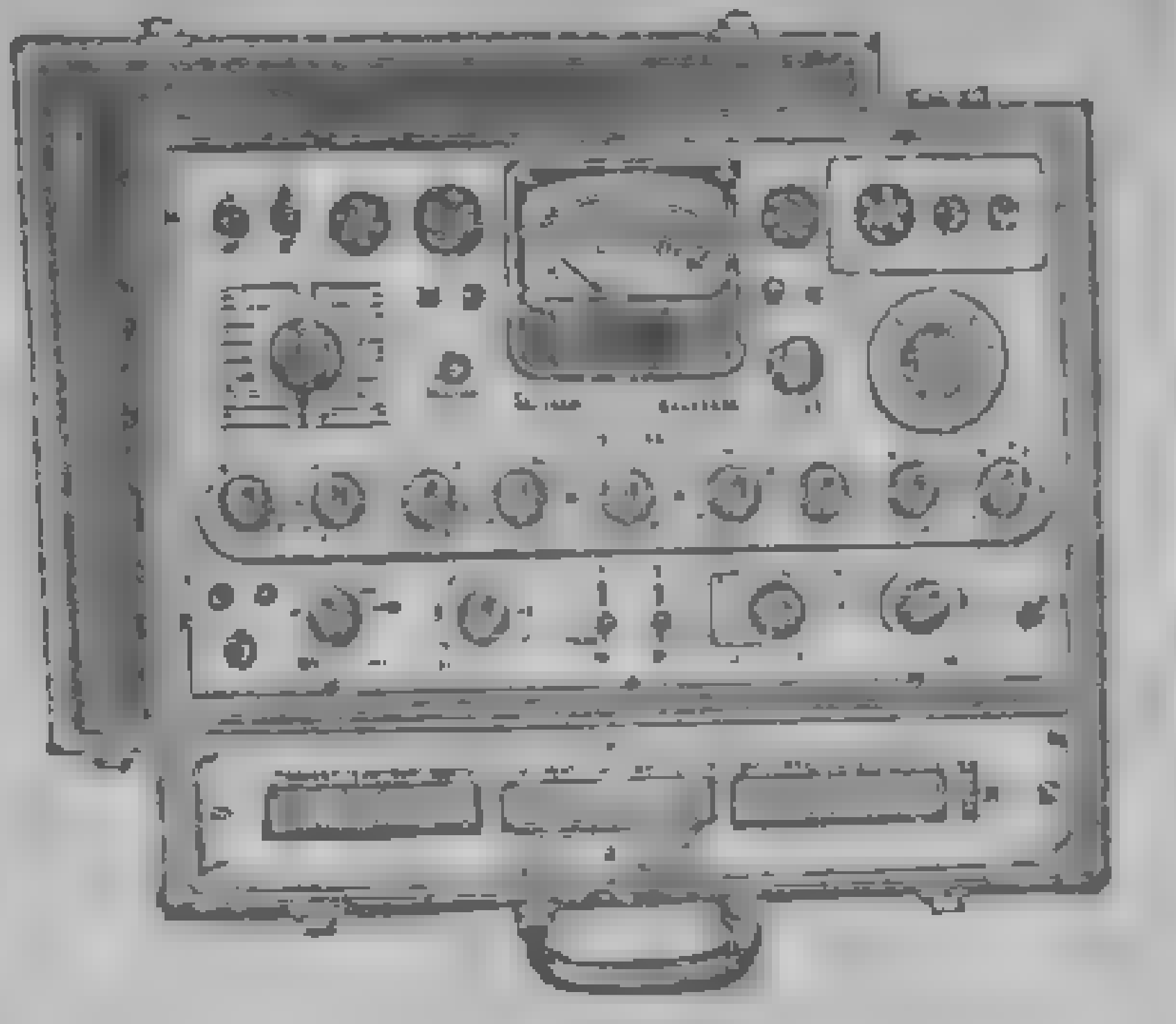
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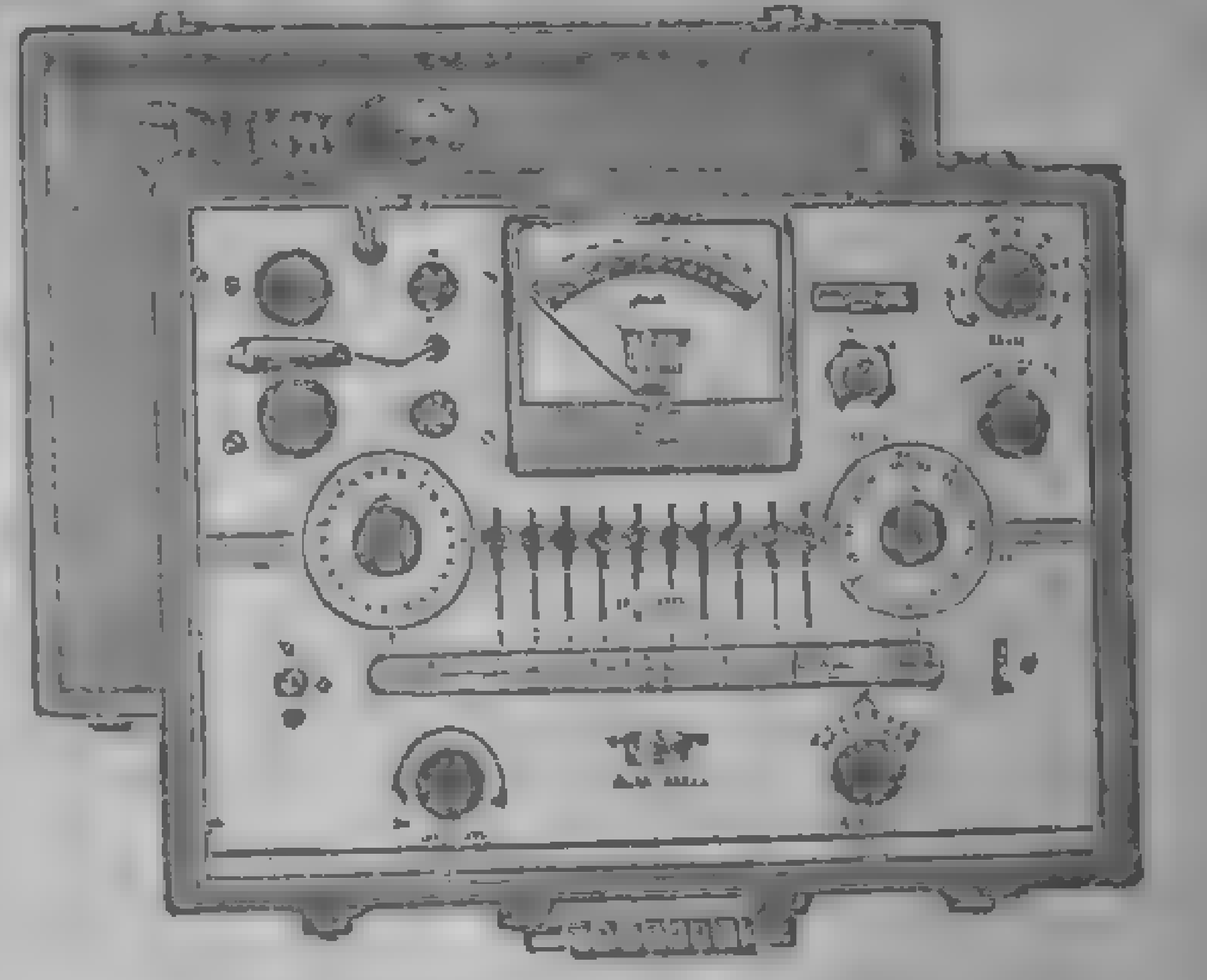


MODEL 2590 TRANSISTOR TESTER

Highly flexible checker for testing all transistors under simulated operating conditions. Tests beta, ICBO and ICEO for power and signal types. Checks transistors for shorts and leakage; diodes for leakage and forward current. Operation is extremely simple and straightforward—no chart is needed. Transistor socket plus external leads permit use with any basing arrangement. Only information needed is the transistor type; unit is always up-to-date. Easy-reading meter has 5 scales in black, red and green. In gray leatherette covered case with rubber feet and luggage-type handle. Size, 8⅝x11⅝x5⅛". For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt., 9 lbs.

3 FU 965. *$2 Down.* NET 48.51

MODEL 3432-A SIGNAL GENERATOR

Quality signal generator for AM-FM radio and black-and-white and color TV servicing. Cathode follower output provides high stability by acting as buffer to oscillator. Copper and steel shielded circuits. Covers range from 160 kc to 110 mc (220 mc using harmonics). Large, 6¾" dial, has 7 directly calibrated 160° scales.

Has jacks for internal modulation or audio output. Audio control provides variable modulation or A.F. output from jacks. Internal modulation variable from 0-100% at 400 cycles. RF attenuator provides both step and fine control of RF output. With output cable. 15¹¹⁄₃₂x11¹⁄₃₂x 6¼". For 110-120 v., 50-60 cycle AC. 12 lbs.

84 FU 677. *$5 Down.* NET........97.51

MODEL 3414 TUBE TESTER

- Modified Plate Conductance Tester
- Highly Sensitive Neon Short Test
- Flexible for New Tube Types
- Easy-to-Read, 3-Color 4" Meter

Extremely versatile tube tester. Permits easy, rapid testing of all receiving type tubes, plus gas-filled rectifiers and ballast tubes. Filament voltages from 0.65 to 117 v. Provides complete flexibility for new tube setups. Features include: modified plate conductance for closer correlation to tube characteristics; improved neon shorts test indicator; variable leakage test; greater circuit sensitivity for the new tube types with low cathode current.

Burned-out tubes show up immediately without waiting for filament to heat. Large, 4" tri-colored meter. In sturdy wood case, 6½x15⅞x11½". For 110-120 v., 50-60 cycle AC. Wt., 13 lbs.

87 FU 154. *$5 Down.* NET 77.91

T-2247-BV CRT ADAPTER. For use with above. Shpg. wt., 1 lb.

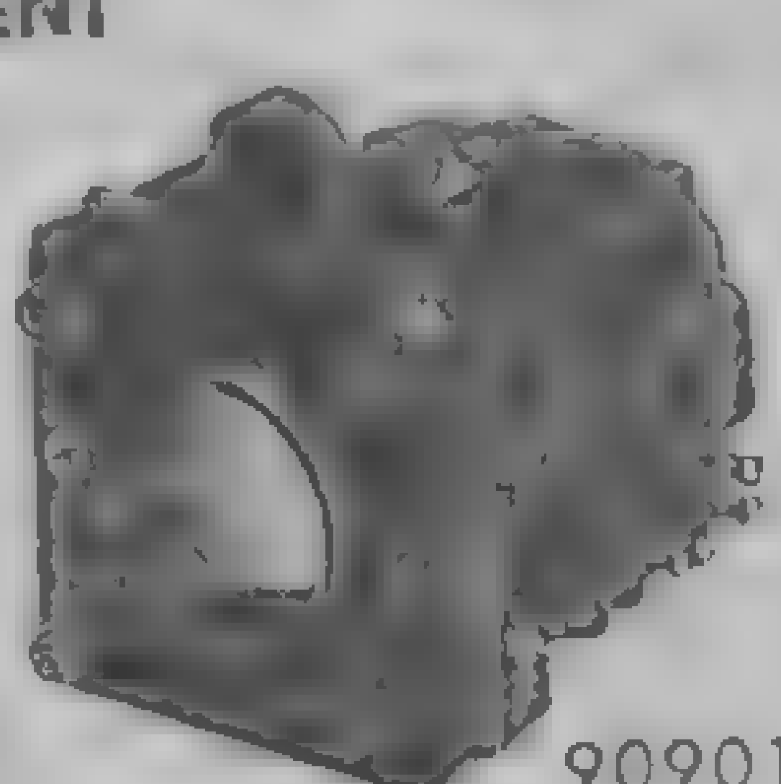
84 F 539. NET 5.29

MODEL 3444 TUBE ANALYZER

Complete laboratory type tube analyzer in portable case. Measures true Gm, without any compensating factors, using proper DC potentials, 5 kc signal source and vacuum microammeter. Self-checking circuit, checks accuracy of Gm readings on tester. checks plate current cutoff, plots characteristic curves using plate current read on and grid bias on bias dial, tests gas under actual operating conditions, checks rectifiers under load, etc. 15³⁄₁₆x18¹³⁄₁₆x7¾". For 110-120 v., 60 cycle AC. 24 lbs.

3 FU 964. *$10 Down.* NET..244.51

MILLEN TEST EQUIPMENT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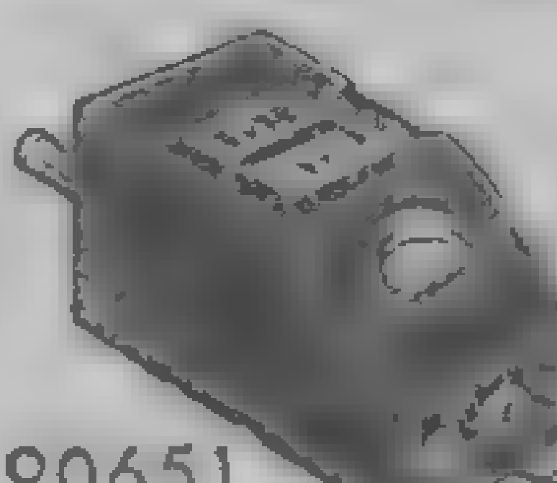

90651

Coils

Model 90901 1" Scope. For Amateur or industry. Use as: Modulation indicator, null indicator, Lissajous screen, etc. Controls: Inten- Vertical Centering, Horizontal Centering. Sensitivity: Vertical, 3.0 rms v/mm; Horizon- 5 rms v/mm. Requires 600-950 v. DC @ ma. and 6.3 v. @ 0.6 a 2¾x2¾x4⅝". With tube. Shpg. wt., 2 lbs.

F 907. *$2 Down.* NET........38.25

Model 90651 Grid Dip Meter. Useful as oscillator, detector, wavemeter, etc. 2" meter 7 direct reading freq. scales and 0-100 scale. Plug in coils supplied cover 1.7 to 300 mc. 7x3¹⁄₁₆x3⅜". For 110-120 v., 50-60 cycle AC. Terminals for battery operation. Shpg. wt., 3½ lbs.

F 962. *$5 Down.* NET.........61.50

Low-Frequency Grid Dip Meter Coils. 4 oz.

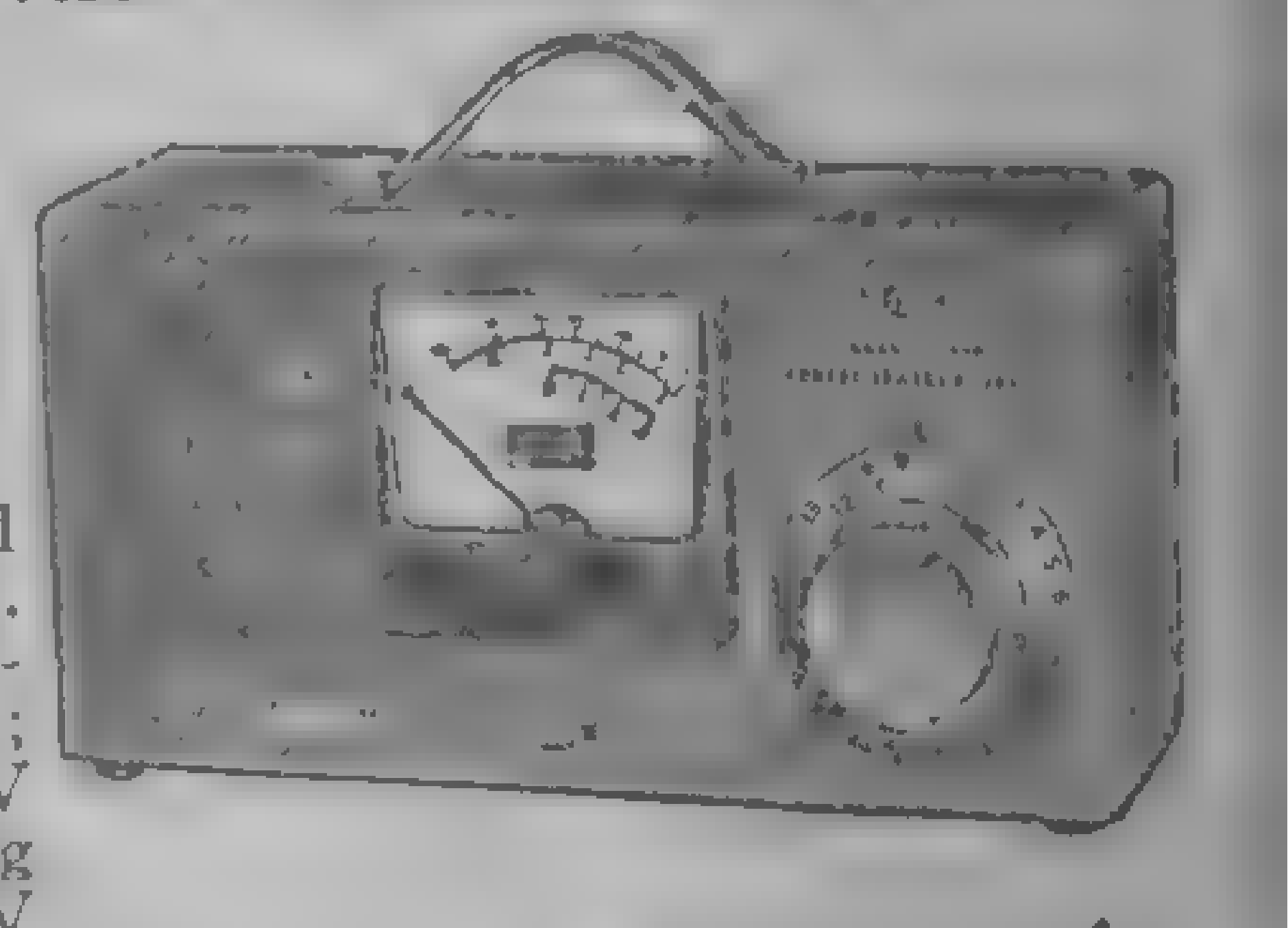
No.	Type	Range KC	EACH
4 F 966	46702	925-2000	6.72
4 F 967	46703	500-1050	
4 F 968	46704	325-600	
4 F 972	46705	220-350	

21 2½ ft. Extension Probe. Cable with link tions, one anchored in probe. Use 220 kc to 75 mc coils. 6 oz.

4 F 996. NET....................1.95

JERROLD PORTABLE FIELD STRENGTH METER

- For All VHF TV Channels, 2-13
- Fully Transistorized Circuit
- Direct Reading Dial
- Compact—Easily Portable



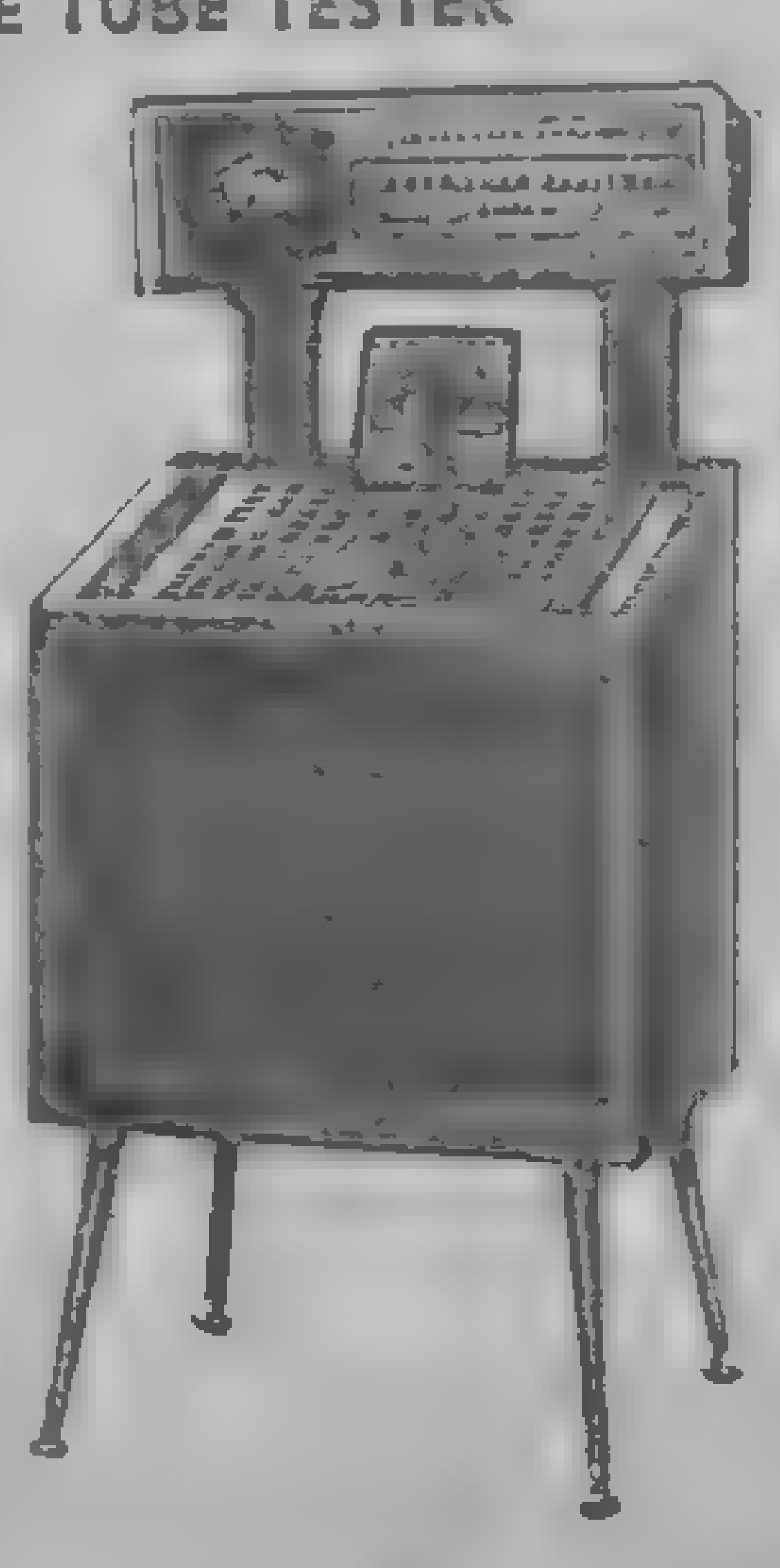
MODEL TMT. Transistorized portable field strength meter. For checking TV antenna performance; antenna orientation; measurement of signals in TV distribution systems. Tuning knob directly calibrated in TV channels—covers channels 2 to 13. Has **75 and 300-ohm inputs** for coaxial or twin lead. Ranges: With 75-ohm input, 0-1000-3000-10,000-30,000-100,000-300,000 1,000,000-3,000,000 microvolts; with 300-ohm input, 0 2000 6000-20,000 60,000-200,000-600,000-2,000,000-6,000,000 microvolts. Meter is also calibrated in db. Accuracy: ±3 db. Up to 200 hours operation with 4 flashlight cells (not included—use Burgess Type 2R listed in battery section). 5⅜x10¼x 4⅜". Shpg. wt., 5½ lbs.

87 FU 388. *Only $5 Down.* NET.....................135.00

CALEX MODEL 603D SELF-SERVICE TUBE TESTER

NET
$229.00
$10 down

- Increases Tube Sales
- Sign Illuminated Front & Rear
- 123 Sockets—U.L. Approved
- Styling Fits Modern Stores



Put this good-looking self-service tube tester in your store and gain another important source of income—a "natural" for high traffic locations. Simple operation lets customers do their own checking. 123-socket panel accepts virtually all TV and radio tubes—also tests vibrators and fuses. Has built-in roll chart; giant "Good-Bad" meter. Automatically adjusts to line voltage. Attractive gray and brown cabinet matches decor of modern self-service type retail stores; sign is illuminated both front and rear. Stores 500 tubes. 58x27½x 13½". For 105-125 v., 50-60 cycle AC. Shpg. wt., 180 lbs.

7 FZ 196. *$10 Down.* NET...229.00

CHICAGO INDUSTRIAL TEST METERS

MODEL 312 VOM. Pocket-size, 6-function VOM with 2" meter. Reads: DC volts, 0-25-50-125-250. AC volts, 0-25-50-125-250. DC ma, 0-50. AC ma, 0-50. Resistance, 100K full scale, with 2400 ohms half-scale reading. Capacitance, .05-15 mfd (chart furnished). Ohmmeter operates from AC power—no batteries required. 3⅞x2¾x1¾". Less leads. For 110-120 v., 60 cycle AC. Shpg. wt., 1¼ lbs.

84 F 306. NET 8.82

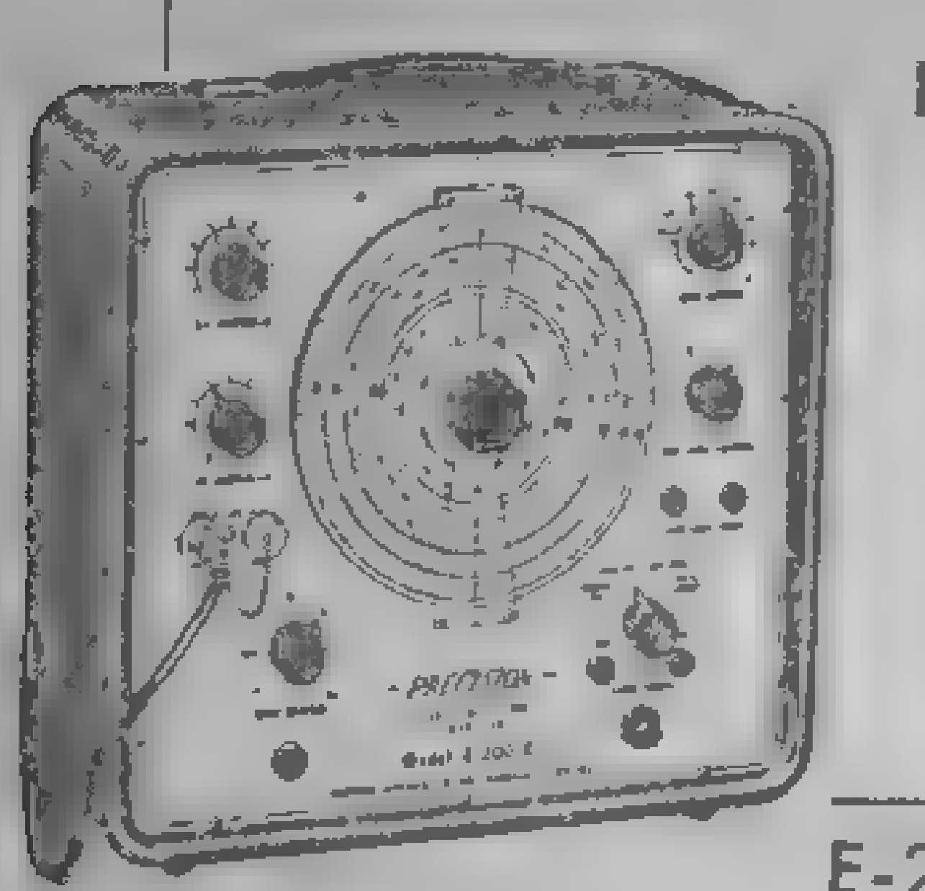
MODEL 431-AN VOM. Has 860 μa meter movement. Ranges: AC-DC volts, 0-15-30-150-300-1500-3000 (at 1000 ohms/v.); DC current, 0-1.5-150 ma and 0-7.5 amps; resistance, 0-10,000-100,000 ohms, 0-1 meg. Aluminum case with hinged, removable cover—6⅛x3¼x 5¾". Aluminum panel. With penlight cells, strap, leads. 3¾ lbs.

87 F 310. *$2 Down.* NET............24.01

MODEL 431-A—LESS COVER. Wt., 3½ lbs.

84 F 309. NET 21.07

Precision Test Equipment

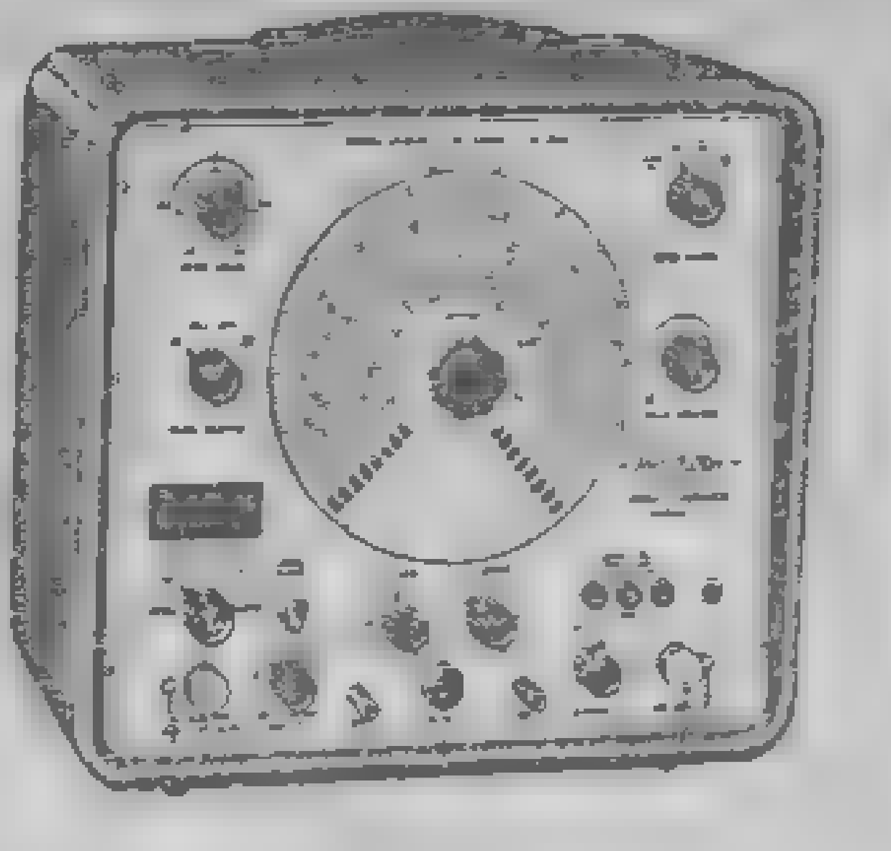


For Radio-TV Servicing

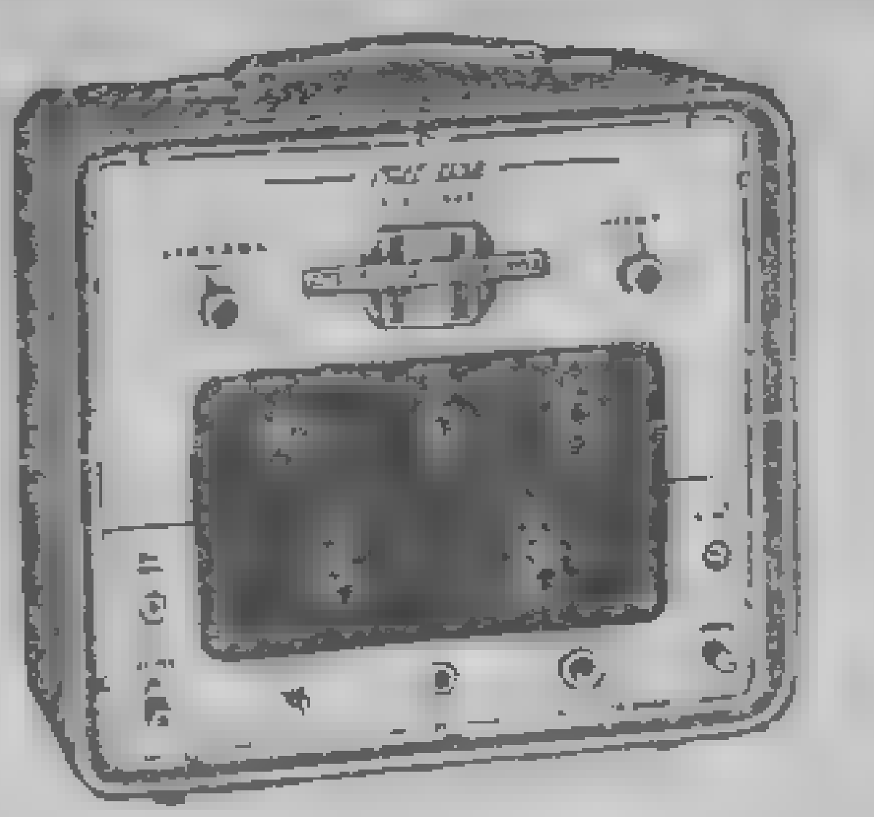
10 Easily Read Bands

Accuracy to 1%

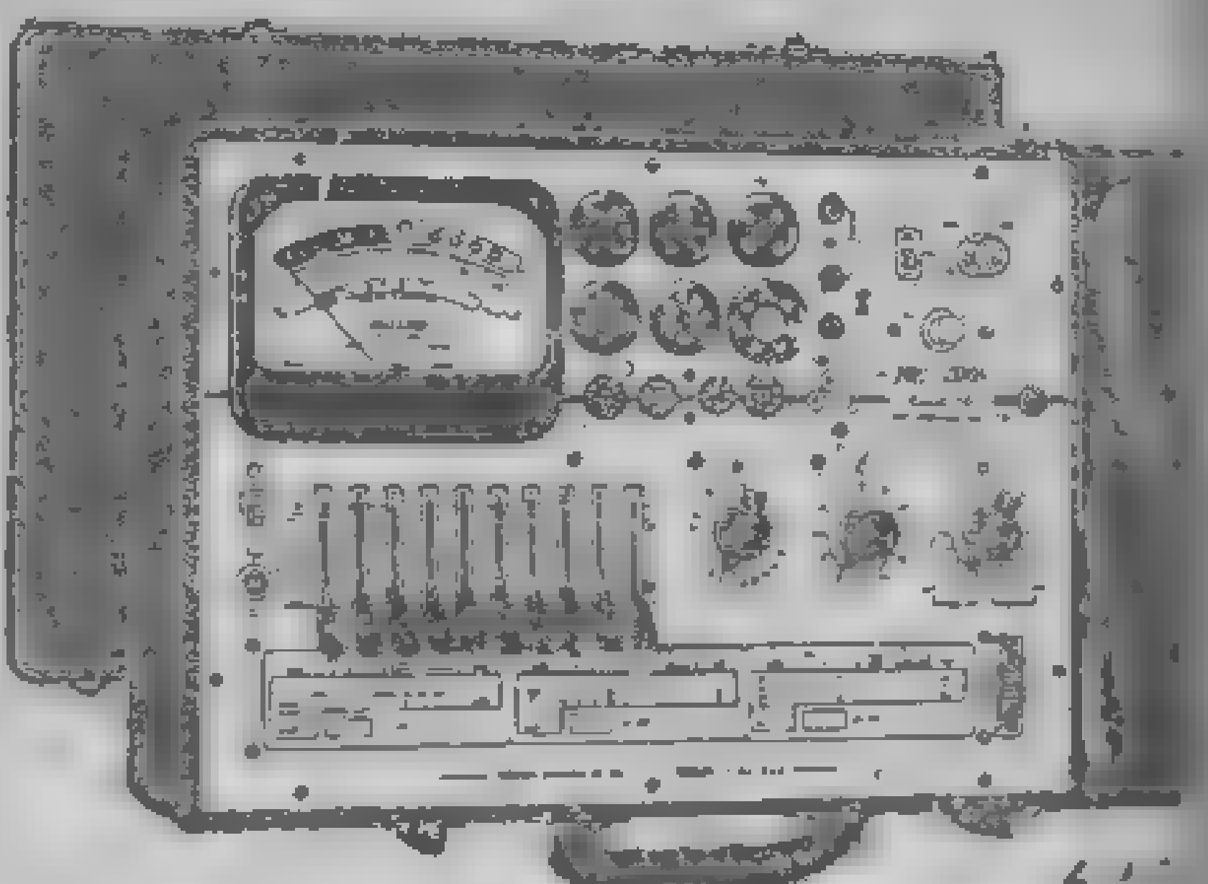
E-200C



E-400



E-440



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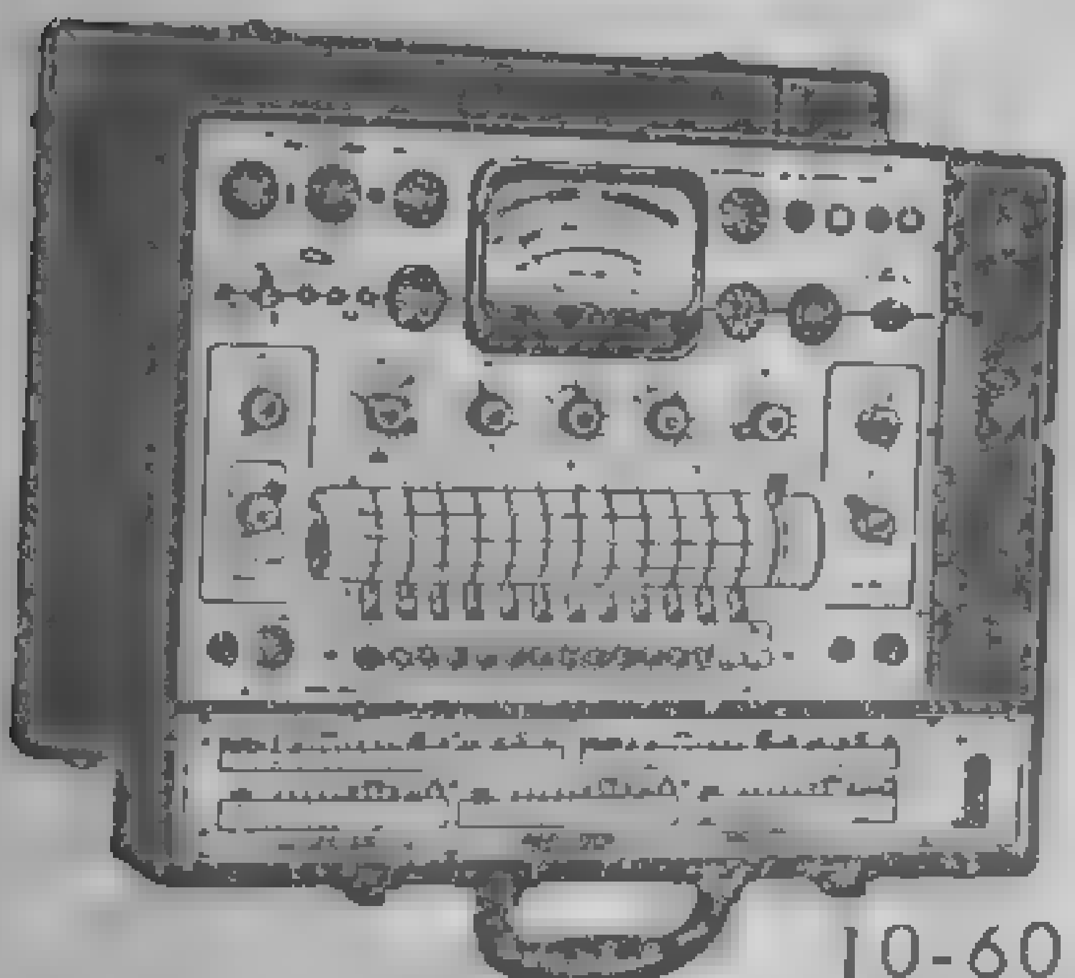

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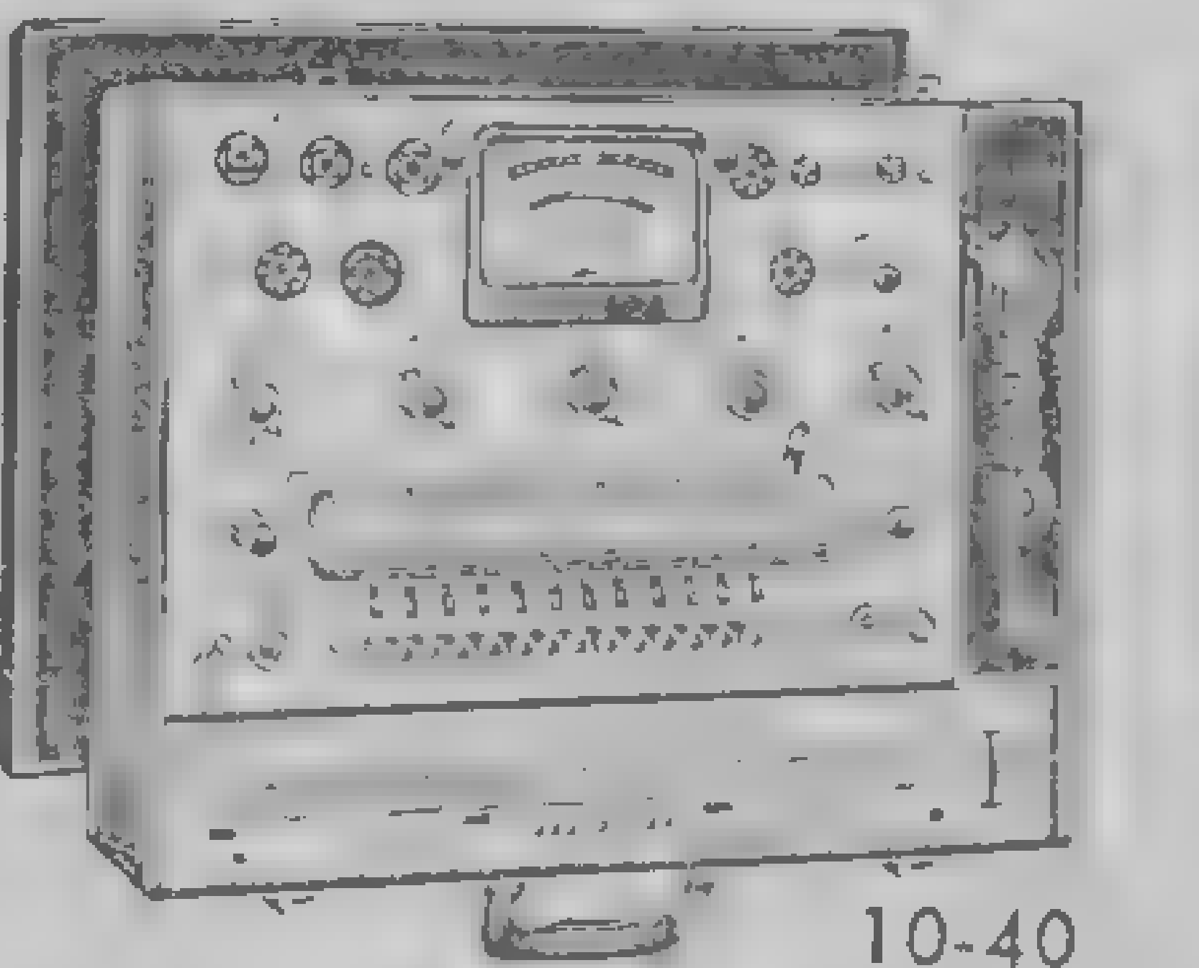
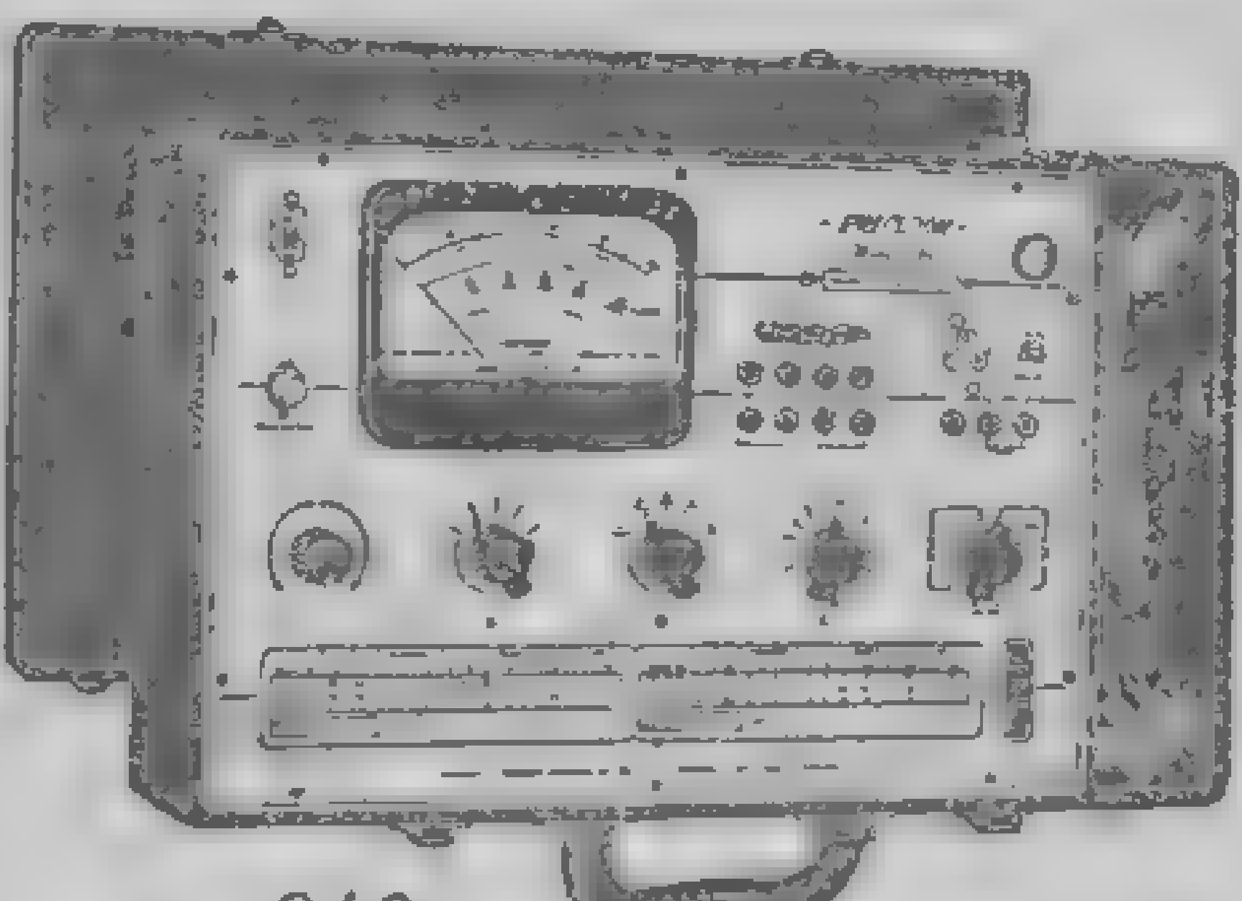


10-40



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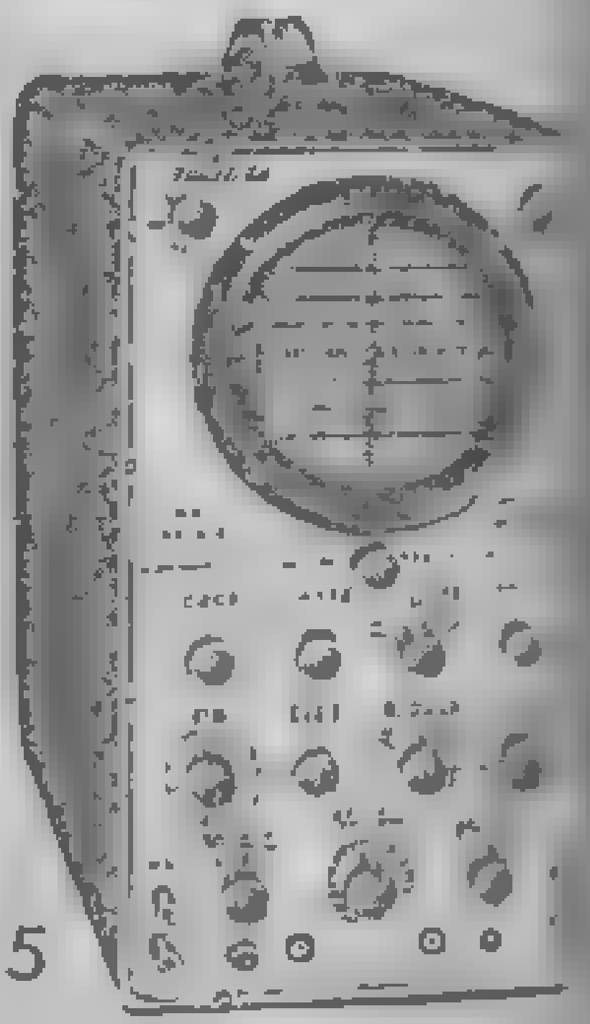


ES-525

E-200C SIGNAL-MARKER GENERATOR

Highly sensitive, deluxe signal-marker generator for AM, FM and TV alignment. For use with E-400 below, or any other high-quality sweep signal generator. Calibrated on each band against laboratory crystal standards. 1% accuracy on 10 easy-to-read ranges. Frequency coverage: 88 kc to 440 mc; to 110 mc on fundamentals. Direct-reading 6½" dial has 0-1000 vernier scale. Outputs: unmodulated RF; 400-cycle modulated RF; externally modulated RF; and 400-cycle sine wave output. Supplies 0-50 volts AVC-AGC voltage. Dual RF attenuators for smooth, stepless control of RF output. With coax cable, "Lo-Hi" connectors, manual. 11½x13x6⅝". For 110-120 v., 50-60 cycle AC. 17 lbs.

87 FU 000. *$5 Down.* NET........**97.95**

E-400 SWEEP GENERATOR

Deluxe portable sweep generator for television and FM servicing. Frequency range is 3-900 mc; to 240 mc on fundamentals. Has narrow and wide-band sweep—frequency widths: 0-1 mc and 0-15 mc. Built-in baseline reference. Self-contained multiple crystal marker-calibrator. Supplied with 2 crystals (2 mc and 4.5 mc). Special socket accommodates 4 crystals. Full vision, 6½ inch dial. Phasing control. Internal retrace blanking circuit simplifies alignment—eliminates return traces. With test cables, 2 crystals. 11½x13x6⅝". For 110-120 volts, 50-60 cycle AC. 24 lbs.

87 FU 001. *$5 Down.* NET........**171.50**

E-440 COLOR BAR GENERATOR

Efficient color-bar generator produces 10 equally spaced color-bars which contain all the essential signal information required for adjustment of color TV receivers. RF output—fixed at channel 3—is crystal-controlled for maximum stability; includes 61.25 mc picture carrier, 65.75 mc sound carrier. Video output, 0 to 8 volts peak-to-peak; includes 15.75 kc horizontal sync pulse, 3563.795 kc crystal-controlled color sub-carrier, luminance signals. 300-ohm balanced output circuit permits direct connection to antenna terminals of TV set.

Has front-panel metering switch and jacks for setting sub-carrier and sync voltages to specified levels with a VTVM. 13x11½x6⅝". With crystals, output leads. For 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.

87 FZ 022. *$10 Down.* NET......**235.15**

E-420 DELUXE DOT-BAR GENERATOR

(Not illus.) Versatile white-dot and bar generator. Separate controls adjust number and thickness of vertical and horizontal bars. Generates white dots, vertical and horizontal bars, and cross hatch pattern. Number and size of dots can be varied. With cables, instructions. 13x11½x6⅝". For 110-120 v., 60 cycle AC, Wt., 19 lbs.

87 FZ 021. *$5 Down.* NET.......**156.75**

640 TUBE TESTER

Cathode conductance tube tester—checks merit, leakage and shorts in TV, FM and AM tubes; tuning eyes and gas rectifiers; etc. Tests TV picture tubes with Model PTA and PAA adapters (below, at right). Tests each section of multi-section and ballast resistor-type tubes. Smooth-action, 24-position rotary switch selects filament voltages from ¾ to 117 volts—minimizes obsolescence due to new tube releases.

Has handy built-in 7 and 9-pin straighteners. Easy-to-read 5¼" meter accurate to ±2%. High-speed, 3-window roll chart; "Tube Finder" feature. In leatherette-covered, solidly constructed carrying case. 18x10½x6¼". For 110-120 v., 50-60 cycle AC. Shpg. wt., 16 lbs.

87 FU 027. *$5 Down.* NET........**83.25**

660 TUBE & TRANSISTOR TESTER

(Not illus.) Measures reverse current between collector and base with emitter open (Icbo), as well as shorts and leakage on all RF, audio, power and tetrode transistors. Crystal diodes are tested for both forward and reverse current. Has all tube testing features of 640 above. Tests picture tubes when used with PTA and PAA adapters, below right. 5¼" meter; accuracy to ±2%. Leatherette covered case. 18x10½x6¼". For 110-120 v., 50-60 cycle AC. 16 lbs.

87 FU 028. *$5 Down.* NET.......**122.45**

10-60 ELECTRONAMIC CHECKER

Versatile tube and transistor checker provides comprehensive tests for Icbo, gain, leakage, shorts, etc., on all transistors. Has 22 collector potential steps from 0.5 v. to 160 v. DC. Offers complete testing of all modern tube types including subminiatures. Checks TV picture tubes with PTA and PAA adapters below. Special short-check circuit guards against damage to tubes under test. 20x15x7". For 110-120 v., 50-60 cycle AC. Shpg. wt., 26 lbs.

87 FU 030. *$5 Down.* NET.......**210.70**

10-40 TUBE TESTER

Physically and electrically similar to Model 10-60 above—less specialized circuitry for testing transistors and crystal diodes. Overall tube performance tests are based on mutual conductance, amplification factor, plate current, etc. In sturdy carrying case with tool compartment and removable cover. Size, 20x15x7". For 110-120 volts, 60 cycle AC. Shpg. wt., 25 lbs.

87 FU 032. *$5 Down.* NET........**156.75**

E-220 MARKER ADDER

Not illustrated. Greatly increases speed and accuracy of TV and FM alignment. Permits use of large-size, highly visible markers on oscilloscope screen without distorting sweep response curve. 5⅞x7¾x3½". For 110-120 v., 50-60 cycle AC. 7 lbs.

87 F 035 *$5. Down.* NET........**58.75**

960 TRANSISTOR & DIODE TESTER

Expertly engineered portable transistor a
crystal diode tester. Tests for Icbo, gai
leakage, shorts, etc., on low, medium a
high-power transistors of PNP and NP
types, as well as newest tetrode transisto
Direct reading in terms of true collect
current on 5½", 100-microamp meter. Fi
Icbo ranges; 17 collector potential ste
from 0.5 v. DC to 100 v. DC. Five separat
injection currents for low, medium and hig
power types. Reliable check of emitter c
lector leakage current provides basis f
accurate gain tests. 17 DC voltages for r
verse current tests of crystal diodes; sep
rate forward tests. Transistor test settin
on high-speed roll chart. Patch cord el
ment selector system for future semico
ductor types. Fabric-covered carrying cas
18x10½x6¼". For 110-120 volts, 50-60 cyc
AC. Shpg. wt., 15 lbs.

87 FU 029. *$5 Down.* NET........**97.9**

ES-525 5" OSCILLOSCOPE

Extremely stable and reliable 5" gener
purpose scope incorporating the latest i
circuitry and design. Highly suited to in-
dustrial testing, laboratory application
and radio-TV servicing—a complete instru
ment for accurate visual circuit analysi

Push-pull vertical amplifier has response
3 db from 10 cps to 500 kc; 6 db to 700 kc
Provides 20 mv/inch sensitivity. Push-pu
horizontal amplifier has response of 3 d
from 10 cps to 150 kc; sensitivity is 6
mv/inch. Internal linear sweep is 10 cps t
100 kc with trace blanking; as low as 2 cp
with external capacitor.

Other features include: "Z" axis modulatio
input; direct-reading peak-to-peak voltag
calibrator; built-in 60 cps sine sweep phas-
ing control; etc. In blue-gray, heavy-gaug
steel cabinet. 8¼x14½x18½". For 110-12
v., 60 cycle AC. 31 lbs.

87 FU 036. *$5 Down.* NET.......**176.35**

ES-550B DELUXE 5" SCOPE

(Not illus.) For servicing and lab work, including color TV; offers a 5-mc bandwidth
Push-pull vertical amplifier has 10 mv/inc
sensitivity; response within 1 db, 10 cps t
3.5 mc; (3 db at 5 mc). Push-pull horizonta
amplifier rated 100 mv/inch sensitivity;
response within 1 db, 10 cps to 1 mc (3 d
at 2 mc). Sweep frequency, 10 cps to 100 kc;
also 30 and 7875 cycles synchronized sweep
Negative and positive internal sweep. Direct
reading, peak-to-peak voltage calibrator.
Z-axis input. 8¼x14½x18½". For 110-120
volts, 50-60 cycle AC. 47 lbs.

87 FU 002. *$10 Down.* NET.....**244.95**

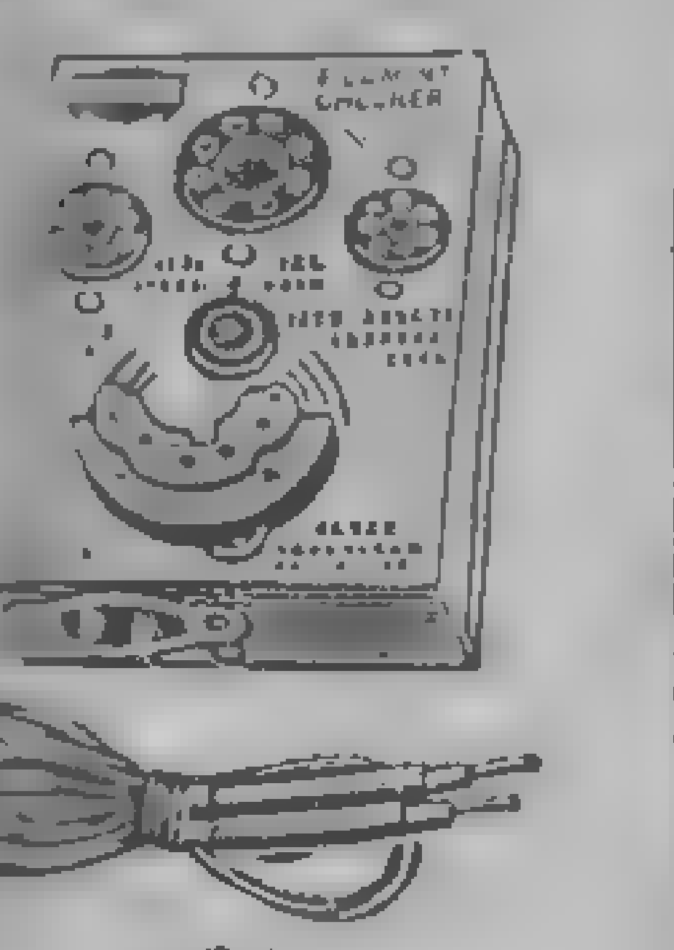
PICTURE TUBE ADAPTERS

For use with Precision Tube Testers. 1 lb.

84 F 492. PTA. For CRT's to 90°. NET **9.75**

87 F 031. PAA. For 110° CRT's. NET **6.12**

Sencore and Precision Test Equipment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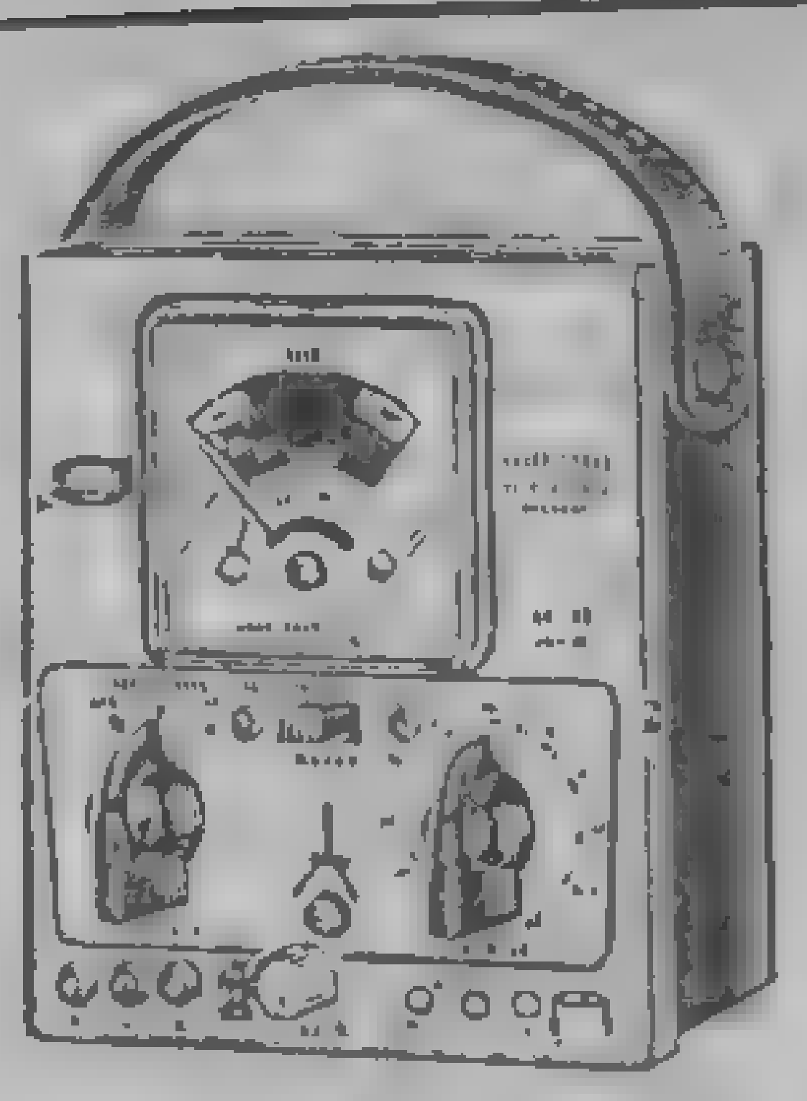
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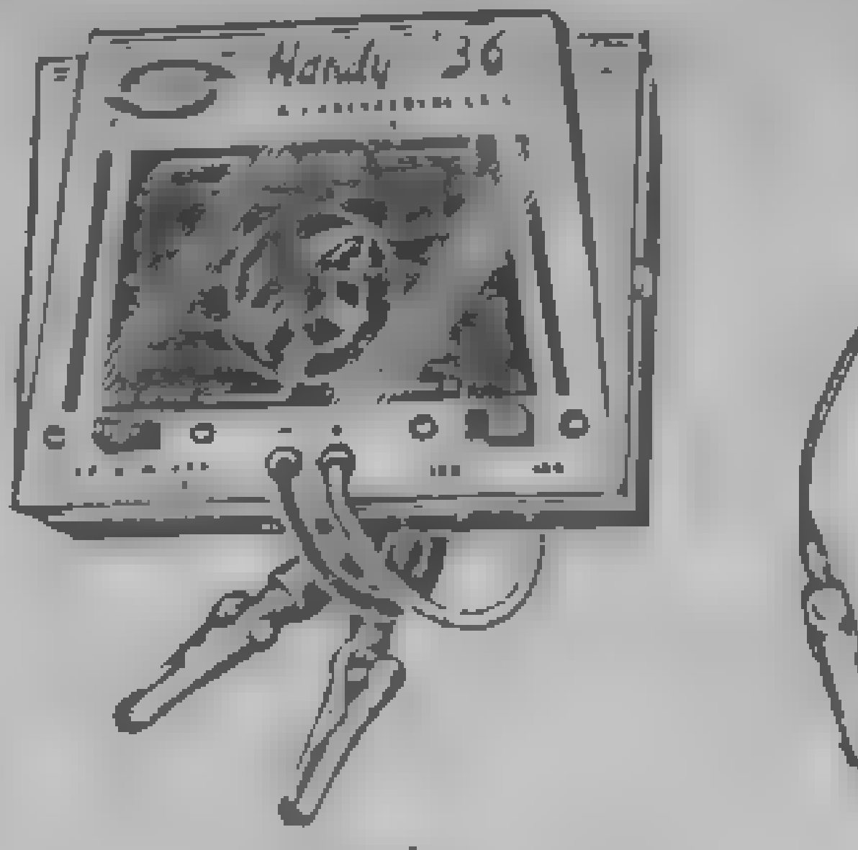
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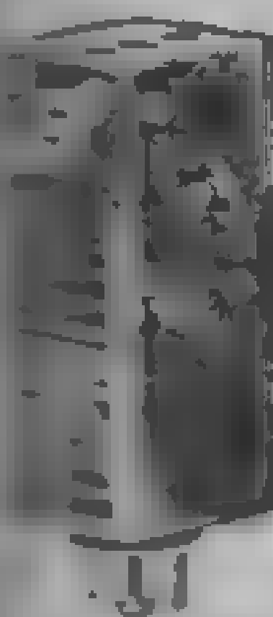
RS106

TC109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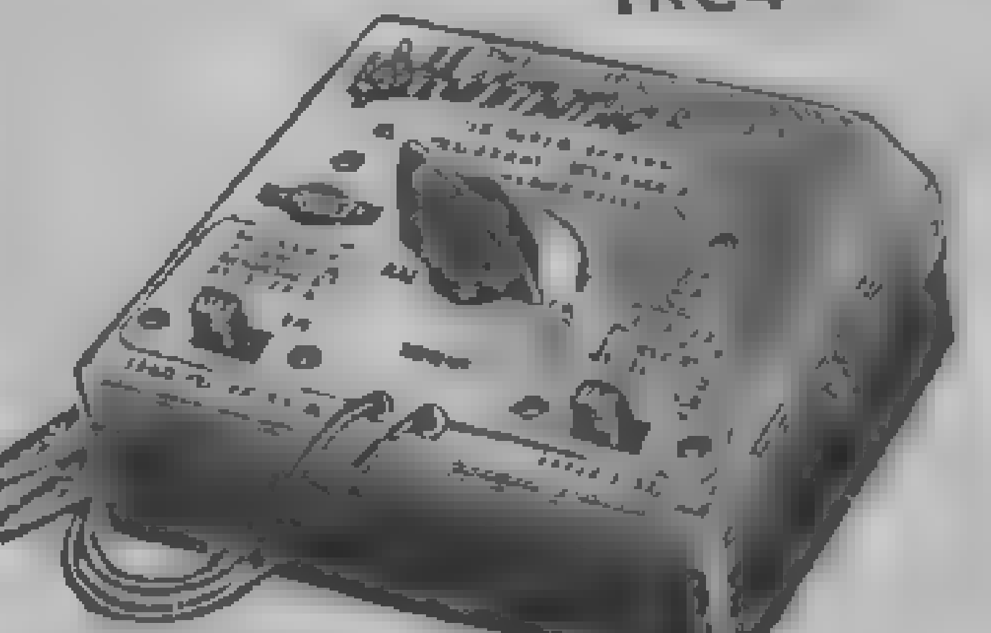
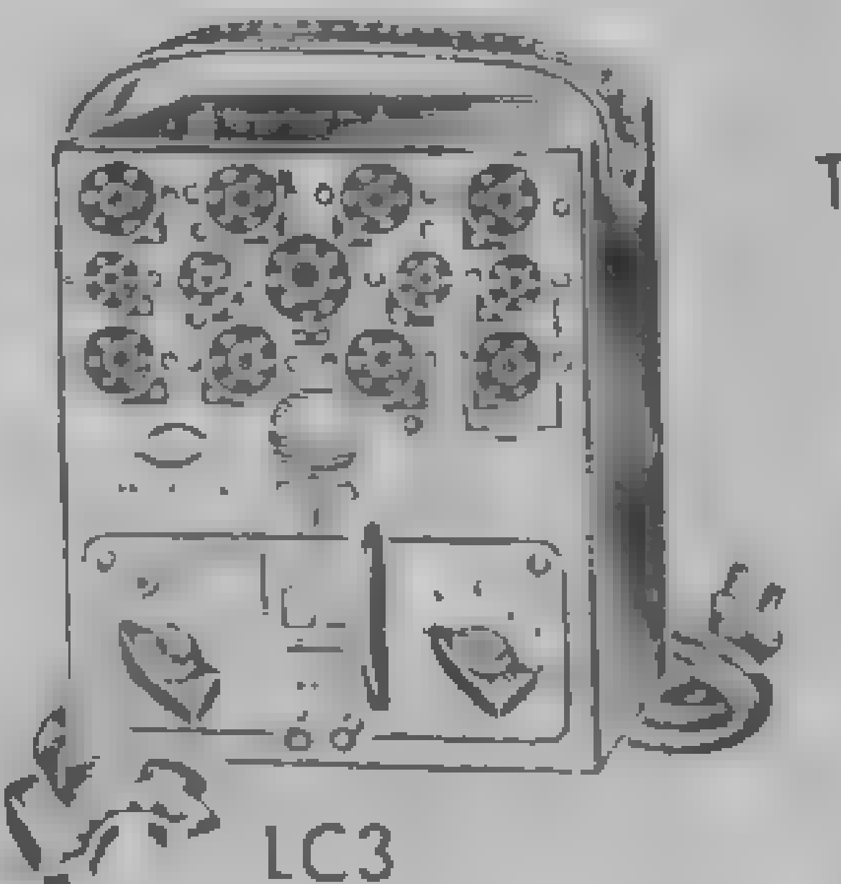

HG104

SS105


LC3

FILAMENT CHECKER. For quickly locat- burned-out tubes in series-string TV Neon light goes out if filament is good. cker uses set's power cord. Also can be as continuity and voltage tester (100- v.). 3¼x4x1¼". With leads. For 110 120 AC or DC. 1 lb.
F 697. NET....................2.89

TRANSISTOR AND DIODE CHECKER s transistors for opens, shorts, leakage current gain; includes gain test for er types. Measures forward-reverse cur- ratio on all crystal diodes, and forward reverse currents on selenium rectifiers. p chart on rear of unit. With leads, ry. 4½x5x2¼". 2 lbs.
F 287. *$2 Down.* NET..........19.55

03 BATTERY ELIMINATOR. (Not illus.). For air of transistor radios. Variable DC age, 0 to 24 v.; 1.5 v. biasing tap. Me- ed output to 100 ma. Handles 200-ma. ks. Well-filtered output; low impedance. 4½x2¼". With leads. For 110-120 v., 60- e AC. Wt., 4 lbs.
3 F 985. *$2 Down.* NET..........19.55

SUBSTITUTION BOX. Switches select ong 36 resistors and capacitors of popu- values. Has twelve 1-watt resistors, 10 5K ohms; twelve ½-watt, 10K to 5.6 gs; ten 600 v. capacitors, 100 mmf to .5 one each, 10 and 40 mfd 450 v. electro- With leads. 2x4¾x3¾". 2 lbs.
F 269. NET....................12.49

W RS106 SUBSTITUTION BOX. Permits ck substitution of rectifiers and diodes o any circuit—ideal for trouble-shooting. bstitutes for selenium rectifiers up to 500 ; for silicon rectifiers, for single diodes, for types of dual diodes used in sync- criminator circuits. 4x5x1¾". With ds. Shpg. wt., 1¼ lbs.
3 F 988. NET....................12.49

VB2 "VIBRA-DAPTOR". Permits checking 3 and 4-prong vibrators with any tube tester. Plug VB2 into tester, set for 6AX4 or 6SN7 to test 6 v. vibrators, 12AX4 or 12SN7 to test 12 v. vibrators. Lamps indicate whether vibrator needs replacing. Steel case, 3¾x 1¾x1¾". Shpg. wt., 5 oz.
87 F 278. NET....................2.69

HG104 HARMONIC GENERATOR. Battery-operated signal generator for quick signal tracing of transistor radio circuits. Provides RF, IF and audio signals simultaneously. 1000-cycle note through all good stages. Also excellent for checking TV, hi fi and other audio circuits. 3½x1½x1¾". With batteries. Wt., 1 lb.
83 F 986. NET....................9.75

NEW SS105 SWEEP CIRCUIT TESTER. Quickly pinpoints horizontal and vertical sweep troubles. Includes universal vertical and horizontal oscillators, horizontal output cathode current checker, universal yoke, dynamic flyback checker, and 0-1000 v. DC voltmeter. Checks out entire sweep circuit in minutes Size, 7x6x3½". For 110-120 v., 60-cycle AC. Shpg. wt., 4 lbs.
83 F 987. *$5 Down.* NET..........42.09

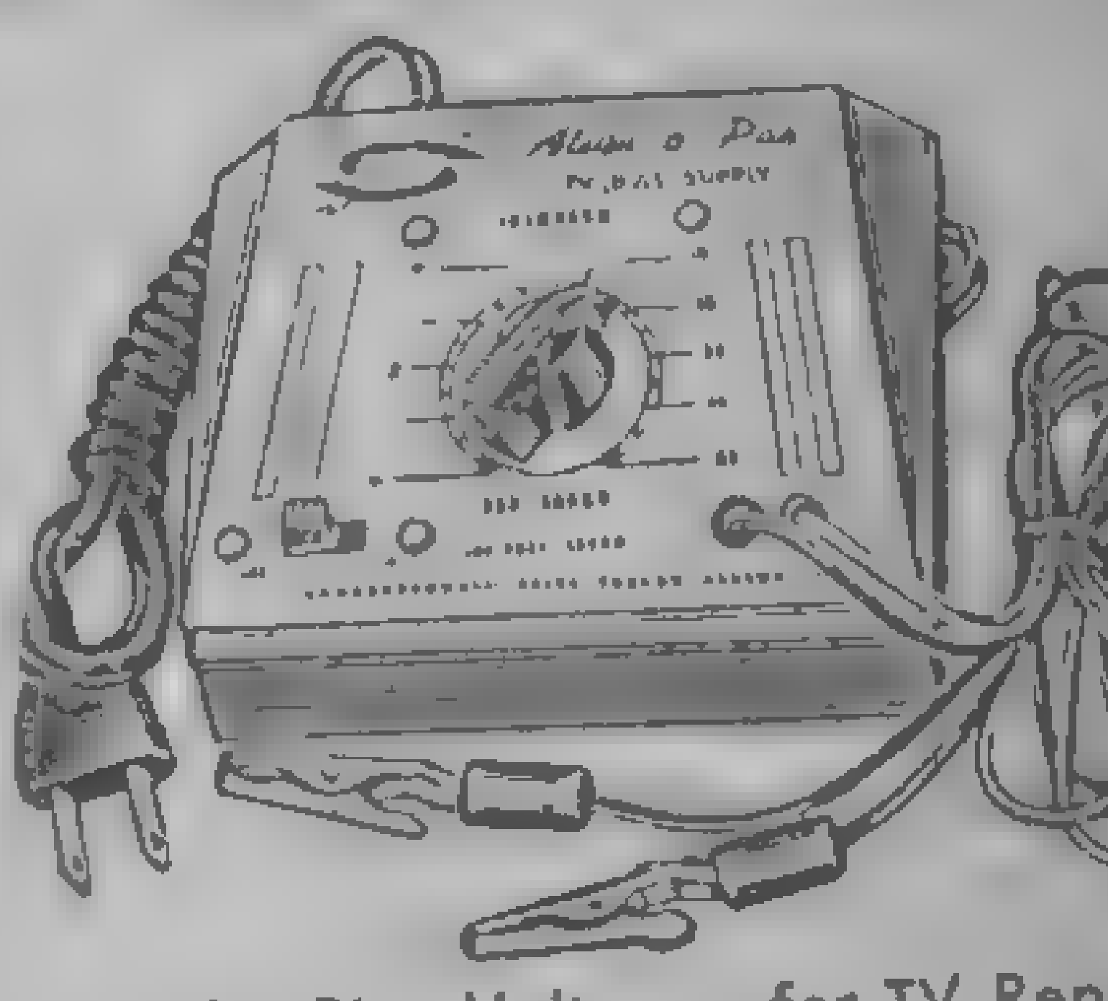
LC3 LEAKAGE CHECKER. Detects leakage between tube elements and in capacitors. Sensitivity of 100 megohms, control grid to all other elements; 50K ohms, heater to cathode. Employs replaceable roll chart. Checks both paper and electrolytic capacitors at 50 v. Size, 7x6x3½". For 110-120 v., 50-60 cycles AC. Shpg. wt., 3½ lbs.
83 F 981. *$5 Down.* NET..........28.37

ES102 SUBSTITUTION BOX. (Not illus.). Switches among 10 electrolytic capacitors, 4 to 350 mfd. Usable from 2 to 450 v. DC. Automatic discharge; surge protection, 4¾x 4¾x2¼". With leads. 2¼ lbs.
83 F 984. NET....................15.63

- Completely Portable
- Checks Over 1300 Tube Types

TC109 "MIGHTY MITE" TUBE TESTER. This compact, rugged unit will check over 1300 types of tubes—including foreign and Five Star types. Checks leakage and cathode emission; provides complete short tests. Checks rectifiers from 50 to 150 ma., power amplifiers from 15 to 35 ma.—all other tubes checked at rated current. Grid leakage sensitivity over 100 meg. Easy-to-read meter is 1-ma. moving-coil type and is protected by current limiting built into circuit. Tester has CRT socket, and attached mirror. Measures only 9⅛x8⅝x3½" in supplied steel carrying case. For 110 120 v., 50-60 cycle AC. Shpg. wt., 7 lbs.
83 F 989. *$5 Down* NET..........58.31

BE3 "ALIGN-O-PAK" BIAS SUPPLY

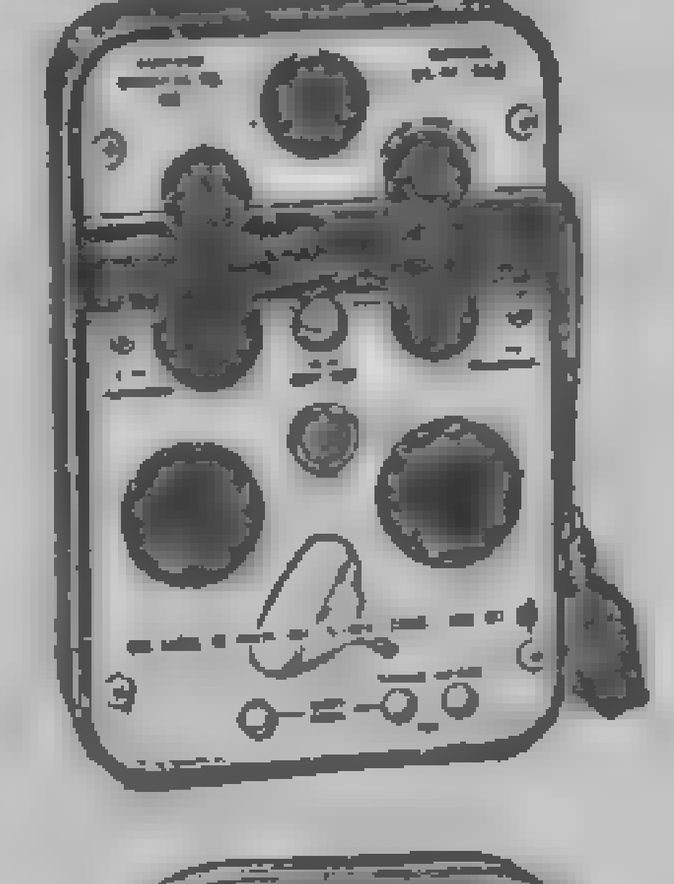


- Provides Bias Voltages for TV Repair
- Fully Isolated From Power Line
- Extremely Low Ripple—Less Than 0.1%

Completely isolated DC supply, with less than 0.1% ripple. Substitutes for bias batteries during repair—variable from 0 to 18 v., positive or negative. Ideal for alignment, AGC trouble-shooting, checking gated sync circuits. 4x4x2¼". With leads. For 110-120 v., 50-60 cycle AC. 2 lbs.
84 F 696. NET....................7.69

PRECISION QUALITY TEST EQUIPMENT

ODEL SS-10 FILAMENT CHECKER. Designed to st tube filaments, fuses, and screw-and bayet-base pilot lamps. Also checks continuity transformer windings, appliances, etc. Has kets for octal, loctal, and miniature 7 and pin tubes. Built-in tube-pin straighteners. pplied complete with batteries. Size, 5⅜x 2x1". Shpg. wt., 1 lb.
F 026. NET....................7.79



ODEL 110 MULTIMETER. Pocket-size VOM th full-range performance. 20,000 ohms per lt DC; 5000 ohms per volt AC. Ranges: AC d DC voltage, 0-1.5-6-30-150-600-3000 v.; C current, 0-60-600 μa and 0-6-60-600 ma; sistance, 0-2000-200,000 ohms and 0-20 egs; db, −20 to +71 (6 ranges). Quality 3½" eter has 50 μa sensitivity, ±2% accuracy. shunts and multipliers. With vinyl-plas- cover, banana-plug test leads, batteries. x3½x1^{11}/16". Shpg. wt., 3 lbs.
7 F 023. *$5 Down.* NET..........35.23

MODEL 120 MULTIMETER

Here's a highly sensitive VOM with 61 ranges. AC and DB ranges are flat (±1 db), 15 cps to 100 kc. 5¼" meter is ±2% accurate, has mirrored scale. Shunts and multipliers are 1%. Ranges: AC, DC, output v., 0-0.3-1.2-3-12-60-300-600-1200-6000 with 5000 ohms per volt on AC and 20,000 ohms per volt on DC; DC current, 0-60-300 μa, 0-1.2-12-120-600 ma, 0-12 amps; resistance, 0-200-2000-200,000 ohms, 0-2-20 megs; 8 db ranges, −20 to +77 db. Polarity-reversing switch. 5⅜x7x3". With batteries, leads. 5 lbs.
84 F 490. *$5 Down.* NET..........44.05

120M. As above, but ½% multipliers and ±1% meter. Wt., 5 lbs.
87 F 080. *$5 Down.* NET..........54.83

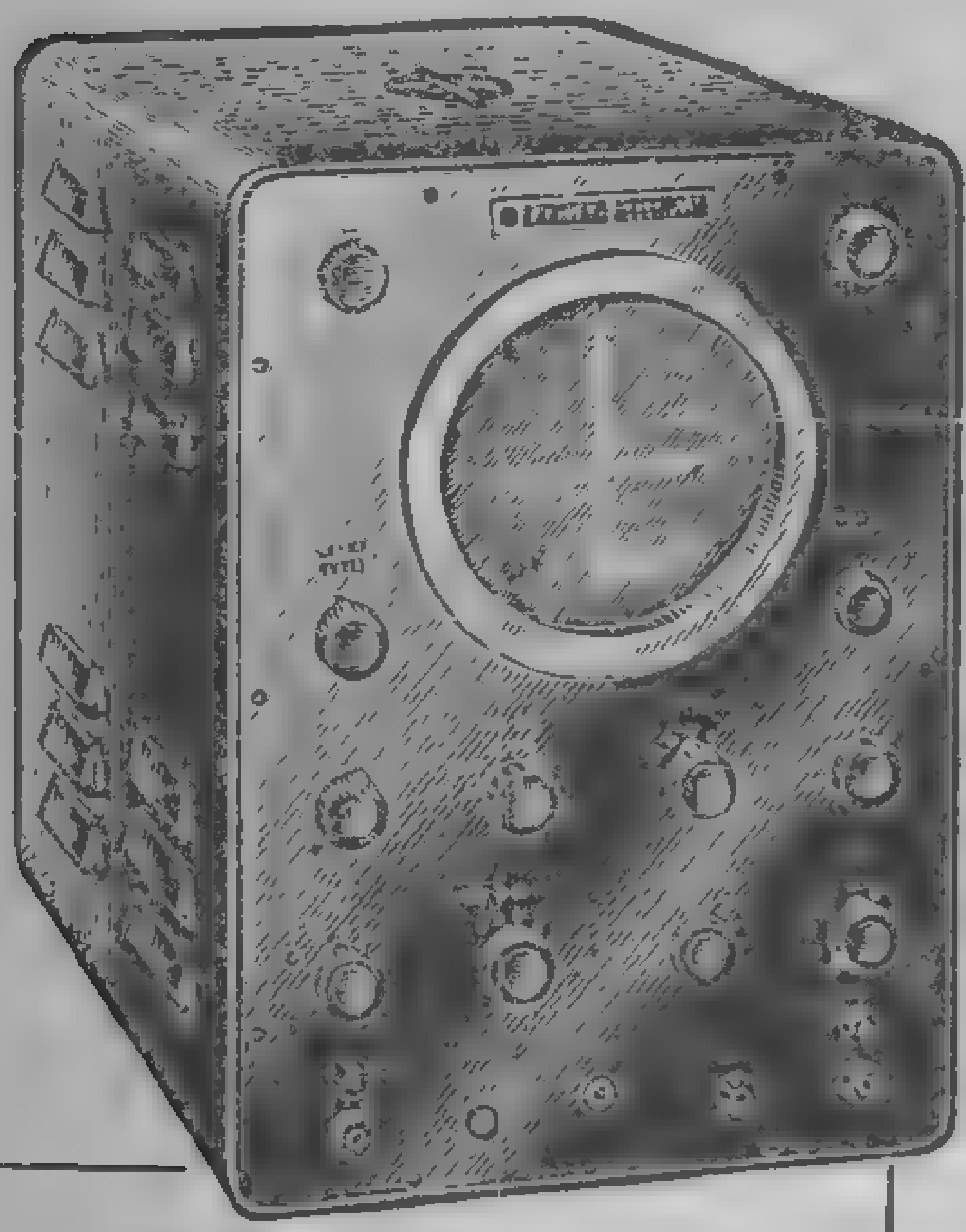
84 F 496. LC-3. Custom, ever-ready type case. 3 lbs. NET..10.29

TV-2B HV PROBE. Extends DC range to 30,000 v. Shpg. wt., 2 lbs.
84 F 495. NET....................15.63

ST-1 RETRACTABLE STAND. For use with Models 88 and 120. 1 lb
87 F 020. NET....................98c

KNIGHT Test Equipment

BEST BUY!



- 25 mv/inch Vertical Sensitivity
- 600-kc Sweep For RF Use
- 5-mc Bandwidth—for Color TV
- Push-Pull V & H Output Amplifiers

knight TEST EQUIPMENT VALUES

- Top-Performing, Reliable Instruments for Home, Shop or Factory
- Expertly Engineered, Advanced Design Offers Top Versatility

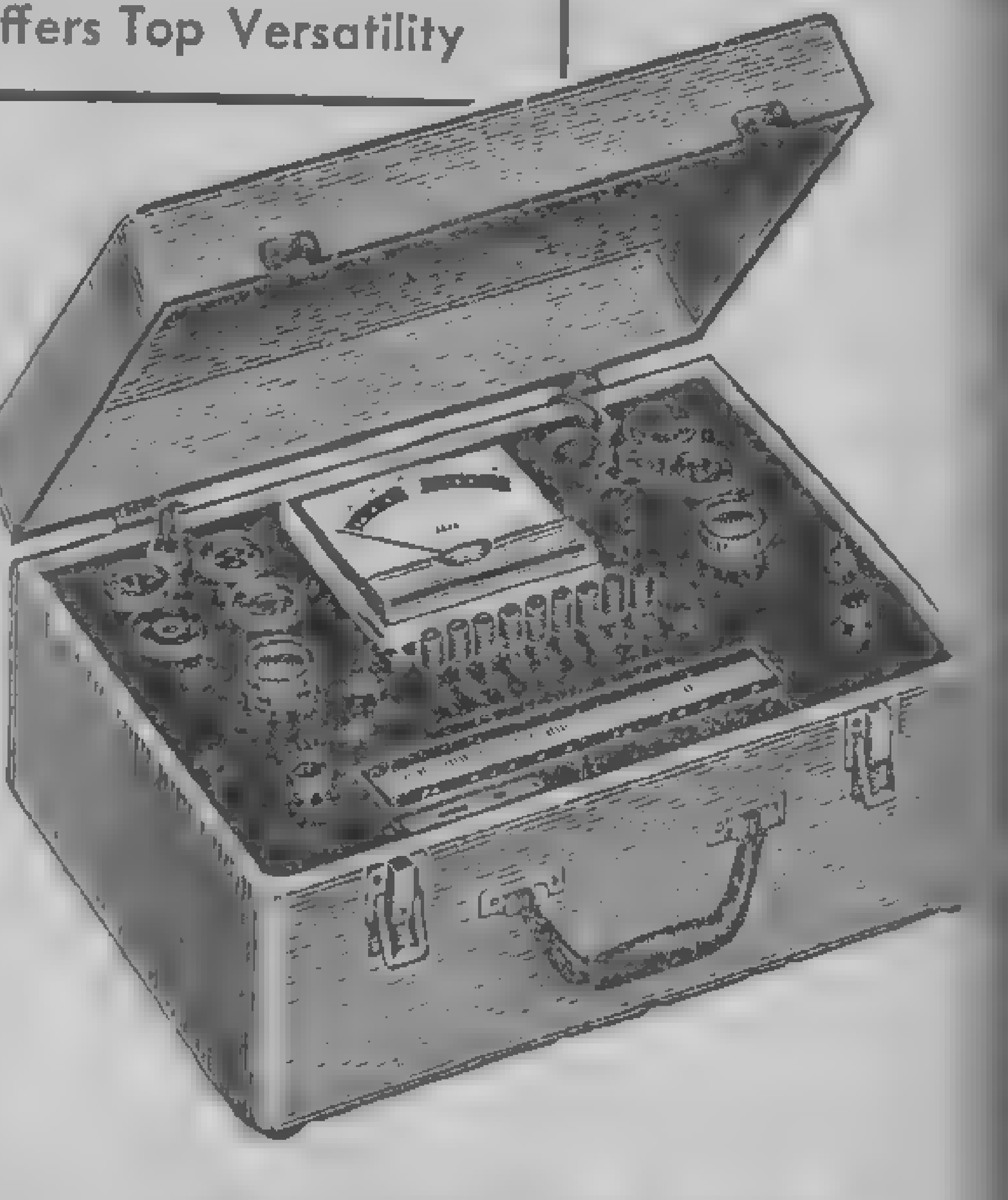
EXCLUS
PRODUCTS C
ALLIED RADI

MODEL 502 WIDE-BAND 5″ SCOPE

$99⁵⁰
$5 Down

Highly-efficient, wide-band 5″ oscilloscope. Perfect for use in color TV servicing and many other high-frequency applications. Offers exceptionally wide sweep from 15 to 600,000 cps. Locks in at frequencies as high as 9 mc. Response of only 1 db down at the important 3.58 mc color burst frequency. Vertical response: ±3 db, 5 cps to 5 mc. Input capacity is 21 mmf. Has minimum circuit loading; high intensity trace. Positive and negative locking for excellent sync. Faithful square wave response. Frequency-compensated input attenuator. Z-axis input for intensity modulation. One volt p-p calibrating voltage. Internal astigmatism control; blanking circuit. Directly coupled positioning controls permit fast, overshoot-free positioning of trace. With leads. Size, 14¼x10⅛x15½″. For operation from 105-125 v., 60 cycle AC. Shpg. wt., 29 lbs.

87 FX 502. NET 99.50
87 F 511. Low-Capacity Probe. 1 lb. NET..5.49
87 F 512. Demodulator Probe. 1 lb. NET..5.69



MODEL 506 TUBE TESTER

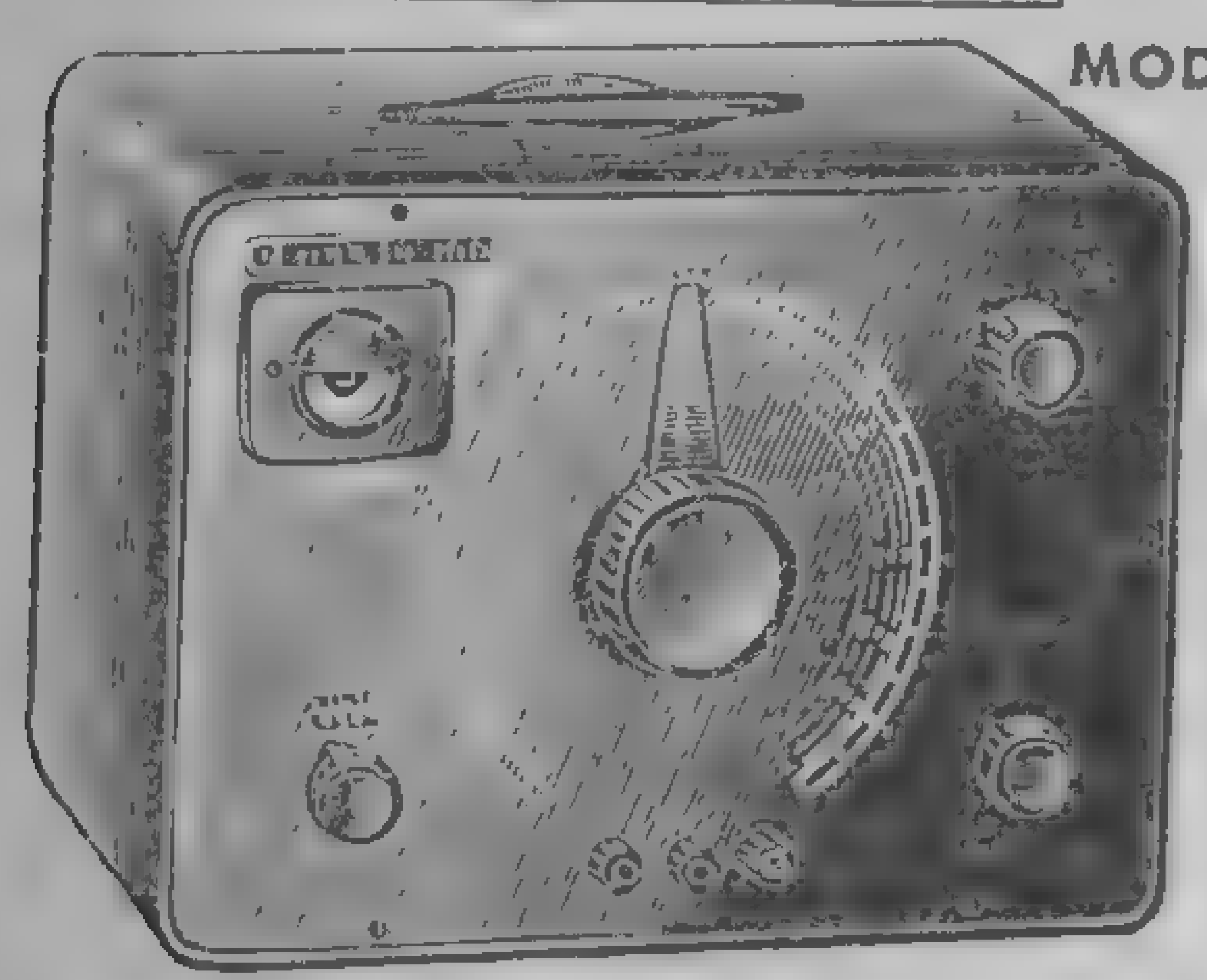
$52⁹⁵
$2 Down

Accurate emission-type tu tester for most receivir tubes and many indust: types. Also checks short open elements, cathode-t filament leakage. Large 4½″ meter, co venient roll chart. Blank socket, univers switches permit setting up for any new tub Line voltage indicator, adjust. In portab case, 6½x14½x10½″. For 105-125 v., 50-6 cycle AC. Wt., 14 lbs.

87 FX 506. NET....................52.9

MODEL 507. As above, but counter-typ model. Size, 5x14x10″. Shpg. wt., 15 lbs.
87 FX 507. NET....................48.9

CTR ADAPTERS. For 506 or 507. 1 lb.
87 F 513. 90° type. NET 4.2
87 F 514. 110° type. NET............3.4



MODEL 503 RESISTOR-CAPACITOR CHECKER

$29⁹⁵
$2 Down

Extremely versatile, highly accurate resistor-capacitor checker. Checks for opens and shorts in paper, mica and ceramic capacitors. Large dial shows capacitance and resistance at a glance—balanced bridge circuit with "magic-eye" indicator. Shows power factor of electrolytics from 0 50%. Tests for leakage from 50 to 450 volts. Measures capacity from 10 mmf to 1000 mfd in 4 ranges; resistance from 100 ohms to 5 megs in 2 ranges. Accuracy, ±10%. Portable metal case, 7x10x5″. For 110-120 v., 60 cycle AC. Shpg. wt., 8 lbs.

87 F 503. NET....................29.95

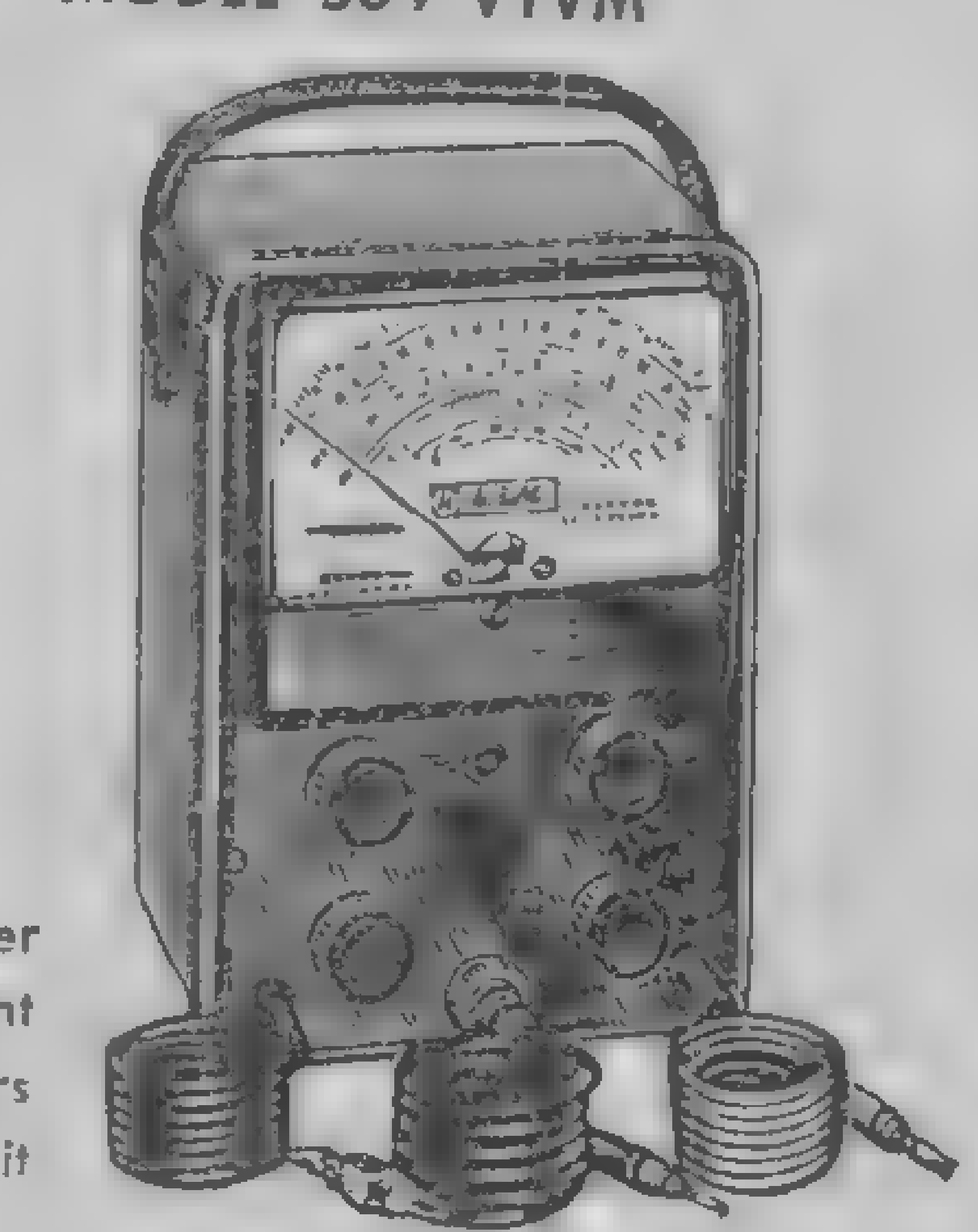
501 5″ GENERAL-PURPOSE SCOPE

Phantastron Linear Sweep
Excellent Vertical Sensitivity
Retrace Blanking

Excellent general-purpose 5″ oscilloscope for radio-TV servicing, audio work, and other applications. Features DC-coupled positioning controls which prevent overshoot; blanking circuit, frequency-compensated vertical input attenuator; internal and external, positive and negative synchronization; high-intensity trace. Has vertical sensitivity of .025 rms v./inch; vertical response of ±3 db, 3 cps to 1.5 mc; ±6 db, to 2.5 mc; vertical input impedance of 3.3 megs/45 mmfd. 1 v. p-p calibrating voltage. Phantastron linear sweep range of 15 to 150,000 cps. Hor. sens.: .07 rms v./inch; hor. response: ±3 db, 3 cps to 500 kc; ±5 db, 3 cps to 700 kc. With leads; uses same probes as Model 502 scope, listed above. Size, 13⅝x9¼x17⅞″. For 105-125 ,v., 60 cycle AC. Shpg. wt., 27 lbs.

87 FU 501. *$5 Down.* NET.......77.50

MODEL 504 VTVM

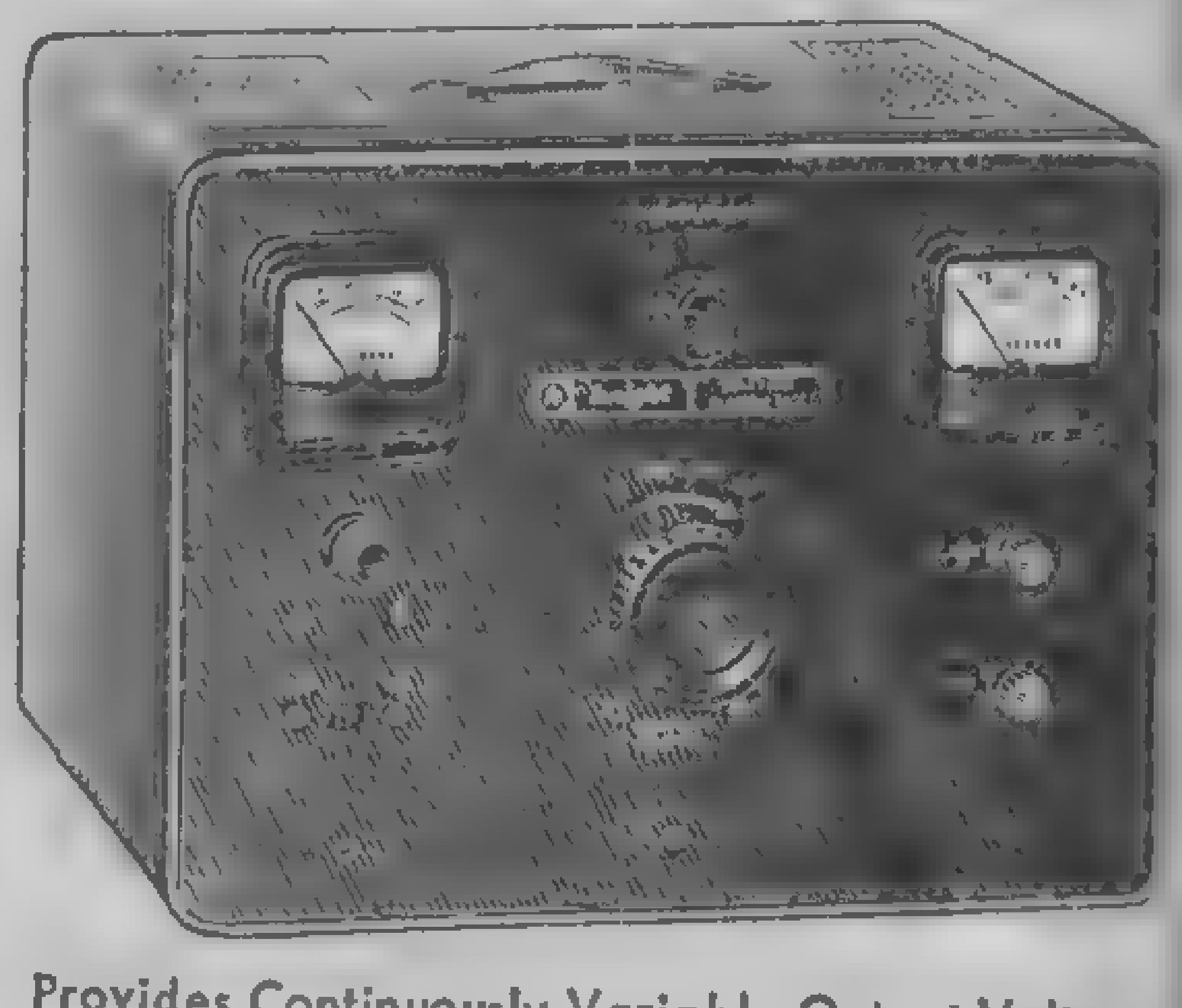


Large 4½″ Meter
200 μa Movement
All 1% Resistors
Push-Pull Circuit

An extremely stable, highly accurate VTVM. 1% film-type, precision resistors. Circuit permits switching to any range without adjusting zero set. 4½″ meter with sensitive 200 μa movement. Zero-center scale and direct-reading db scale. Polarity reversing switch. Response, 30 cycles to 3 mc. Input resistance, 11 megs. Ranges: AC p-p volts, 0-4-14-40-140-400-1400-4000; AC rms v. and DC v., 0-1.5-5-15-50-150-500-1500; ohms, 0-1000-10K-100K; 1-10-100-1000 megs; db scale, −10 to +5. With battery and 3 test leads. 7⅝x5⅜x4¼″. For 105-125 v., 60 cycle AC. 7 lbs.

87 F 504. *$2 Down.* NET........35.95
87 F 508. High-Voltage Probe. Extends to 50,000 VDC. NET....................5.95
87 F 509. High-Frequency Probe. Extends AC to 250 mc. NET....................5.95

MODEL 505 DC POWER SUPPLY



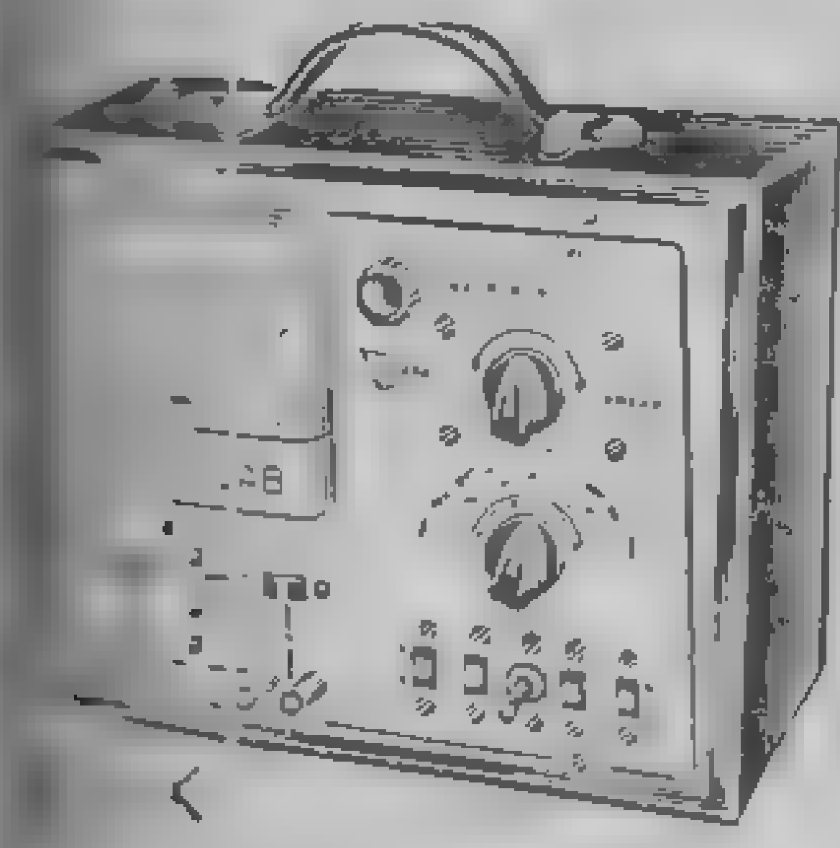
Provides Continuously Variable Output Voltage
Delivers 15 Amps at 6V. or 10 Amps at 12V.

This heavy-duty DC power supply is ideal for testing auto radios, as well as Amateur and commercial mobile two-way radio equipment. Also perfect for use in the servicing of portable transistor radios and hybrid as well as full-transistor car radios. Continuously variable output from 0 to 15 volts. Handles current requirements of any 6 or 12-volt radio. Has dual filter for low-ripple output. Fully charges any 6 or 12-volt battery overnight. Provides DC output of 0-8 volts or 0-15 volts. Continuous current rating: 15 amps at 6 volts, 10 amps at 12 volts. Intermittent current rating: 17.5 amps at 6 volts, 12.5 amps at 12 volts. Two meters provide current and voltage readings. Ranges: 0-15 volts DC; 0-20 amps DC. 9x12⅛x7⅜″. For 105-125 v., 60 cycle AC. Shpg. wt., 18 lbs.

87 FX 505. *$2 Down.* NET.......47.95

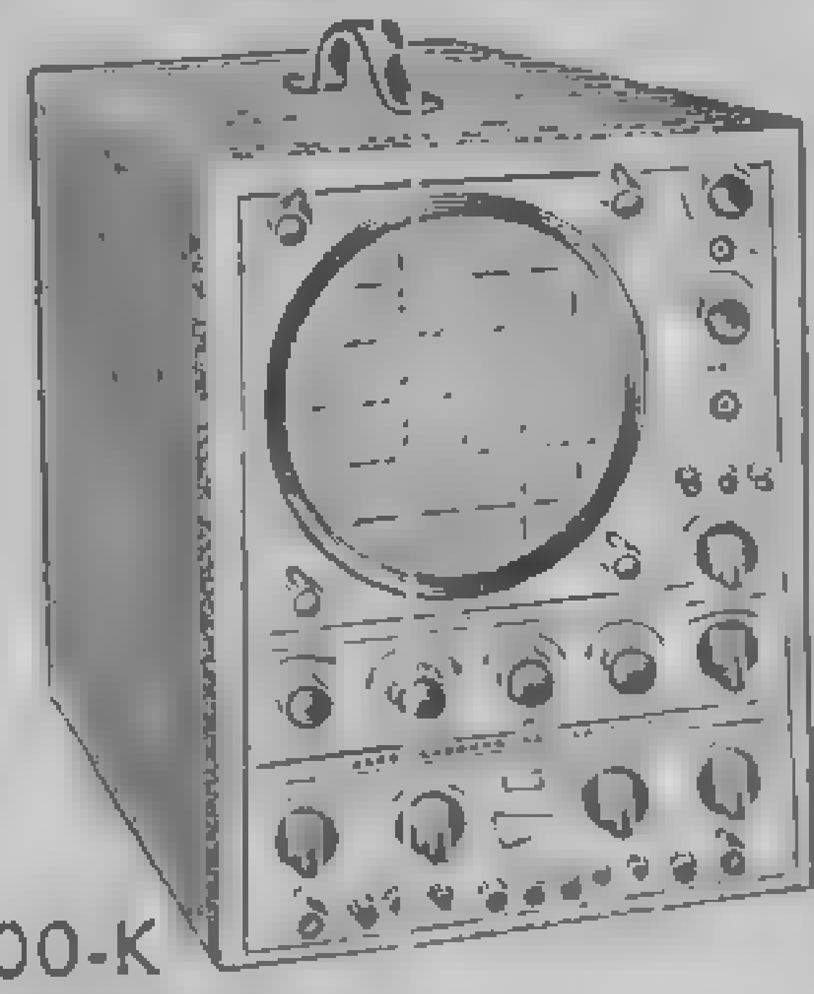
Precise and Seco Test Equipment

PRECISE TEST EQUIPMENT



K

630-KA



300-K

POWER LAB—KIT OR WIRED

L 713-K. Versatile bench-type power kit. Combines variable low and high- e AC and DC supplies, wattmeter, eter, AC and DC ammeter, and isola- ransformer in one compact unit. DC available is 0-30 v. at 10 amps and 50 v. at .75 amps. (1 amp intermittent.) power: 0-24 v. at 20 amps: 90-140 v. at mps (1000 watts continuous) and 20 (2000 watts intermittent) (no isolation) 0-140 v. at 3 amps, 300 watts (with n). Meter reads AC, DC current to mps, AC, DC voltage to 180 v.; power KW. 12x8½x5¼". For 110-120 v., 60 AC. Shpg. wt., 22 lbs.

U 904. *$5 Down.* NET........**62.95**

EL 713-W. As above, but factory-wired.

U 266. *$5 Down.* NET..........**79.95**

EL 711-K KIT. Similar to 713-K, but ion to 100 watts. Shpg. wt., 15 lbs.

FU 903. *$2 Down.* NET.........**49.95**

EL 711-W. As above, factory-wired.

FU 265. *$5 Down.* NET.........**64.95**

GNAL GENERATOR—KIT OR WIRED

EL 630-KA. RF-AF-TV signal generator marker kit. Reaches 110 mc on funda- ; 330 mc on harmonics. Pre-assem- calibrated heads; audio, 20-20,000 cps; de follower output; variable percent lation; speech amp,; crystal marker; generator; RF, AF stand-by; Wien ge AF oscillator; Colpitts RF oscillator; fittings. Also has constant output im- nce; Vernier tuning; separate RF sec- individually tuned coils; full shielding; red line. Size, 8x11x5". Has aluminum l, leather carrying handle. For 110-120 50-60 cycle AC. Shpg. wt., 11 lbs.

FU 130. *$2 Down.* NET........**38.95**

EL 630-W. As above, but factory-wired.

FU 497. *$5 Down.* NET.........**53.95**

7" SCOPE KIT

MODEL 300-K. Vertical response, ±3 db up to 5 megacycles with sensitivity of 10 millivolts. Frequency-compensated vertical and horizontal stepping attenuators. Push-pull DC amplifiers; push-pull horizontal. Astigmatic focus control. Linear sweep from 1 cycle to 80 kc. Internal square wave calibrator with pot. Special circuit magnifies any portion of signal up to 10 times. 5-way binding posts, plug gate and sawtooth outputs on front panel. 11x14x17". Less solder. For 110-120 v., 60 cycle AC. 35 lbs.

83 FU 131. *$5 Down.* NET........**99.95**

MODEL 960 CAPACITOR ATTENUATOR PROBE. For Models 300, 308 scopes. To 100 mc. 7 mmf input. Shpg. wt., 1½ lbs.

84 F 691. NET....................**5.95**

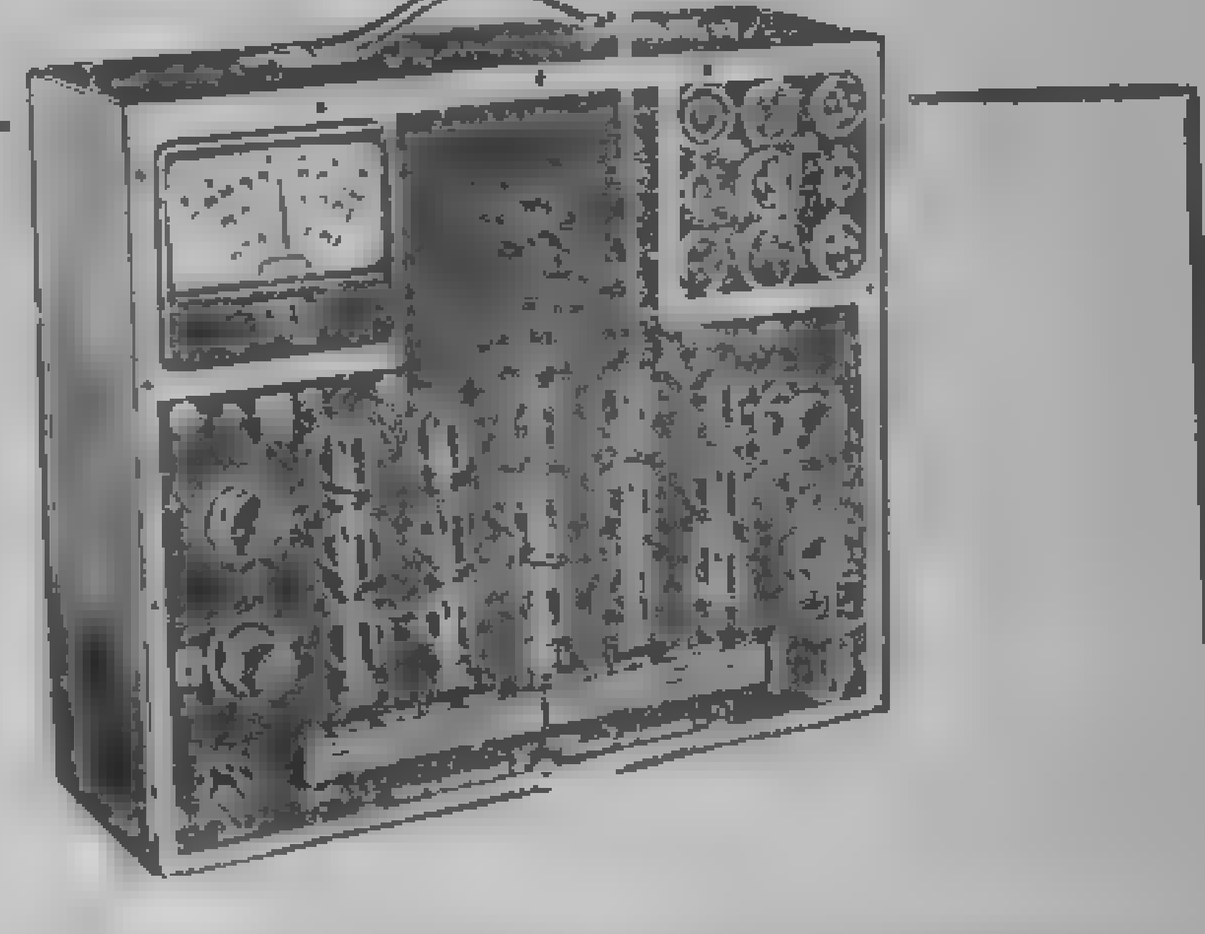
DELUXE 8½" SCOPE—KIT OR WIRED

MODEL 308-K. (Not illus.) Features magnifier positioner; bridge-type centering; outstanding trace sharpness and speed; push-pull inputs for internally mixing 2 signals or observing push-pull waveforms. Vertical response, ±1.5 db to 5 mc. Return trace eliminator. Linear sweep, 1 cycle to 80 kc. Square-wave calibrator. 11x14x19". For 110-120 v., 50-60 cycle AC. Wt., 36 lbs.

83 FU 132. *$5 Down.* NET........**129.50**

MODEL 308-W. As above, but factory-wired.

84 FZ 690. *$10 Down.* NET........**229.50**



DELUXE TUBE TESTER—KIT OR WIRED

- Both Emission and Gm Testing
- For Receiving and CR Tubes

MODEL 111-K. Advanced design tube tester kit. Checks both emission and mutual conductance separately—roll chart indicates the most important single test for normal applications. Tests all receiving tubes; also tests CRT's with PTA-K adapter.

Features rotary type switches; gas check; single-switch short check; anti-backlash roll chart. Tests for inter-element shorts. Allows filament current and tube bias to be measured on meter. Sweeps from zero voltage through normal testing range when making measurements. Has spare switch for future tube types. Size, 14x16x6". For 110-120 v., 60 cycle AC. Shpg. wt., 25 lbs.

83 FU 133. *$5 Down.* NET....**79.95**

MODEL 111-W. As above, factory-wired.

84 FU 692. *$5 Down.* NET.....**139.95**

MODEL PTA-K. CRT adapter kit for above. For testing picture tubes. 1½ lbs.

84 F 693. NET................**2.95**

MODEL PTA-W. As above, factory-wired.

84 F 694. NET.................**4.25**

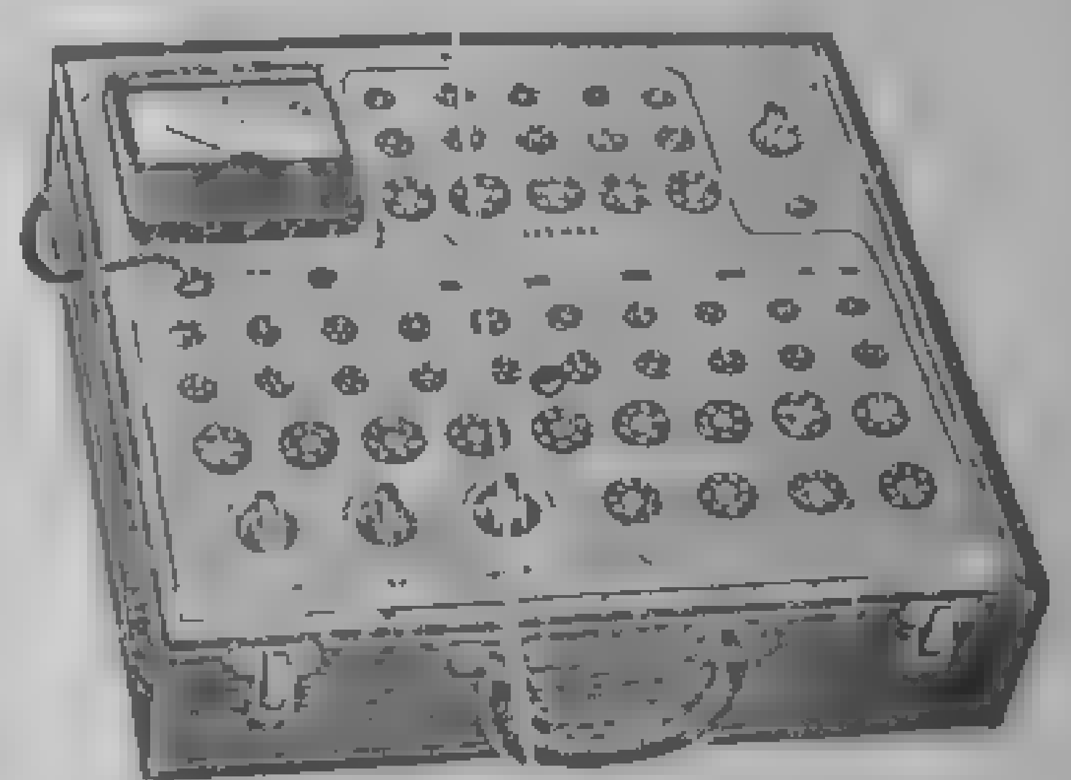
ECONOMY TUBE TESTER—KIT OR WIRED

MODEL 116-K. Accurate mutual conductance type tube tester kit for rapid testing of all receiving-type tubes and transistors. Makes emission Gm, gas, life, and short tests. Checks individual sections of multisection tubes. Cover chart lists all popular tubes—gives switch settings. Moleskin covered wood carrying case. 7½x16½x14½". For 110-120 v., 60 cycle AC. Shpg. wt., 16 lbs.

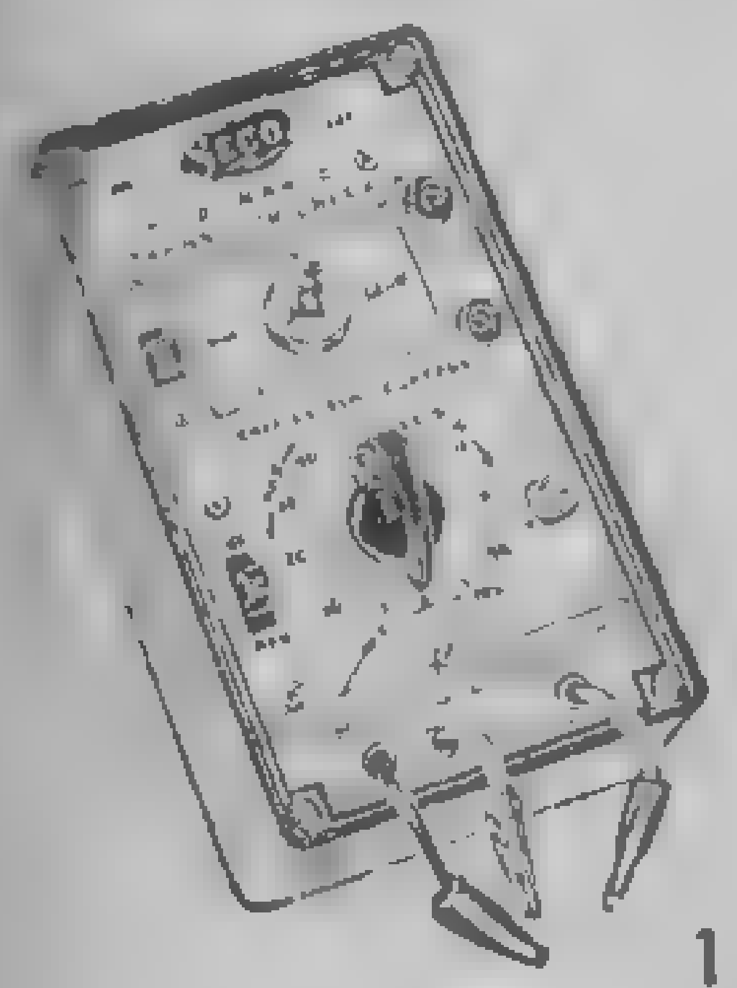
83 FU 104. *$5 Down.* NET....................**69.95**

MODEL 116W. As above, but factory-wired.

84 FU 695. *$5 Down.* NET....................**119.95**



SECO TEST EQUIPMENT



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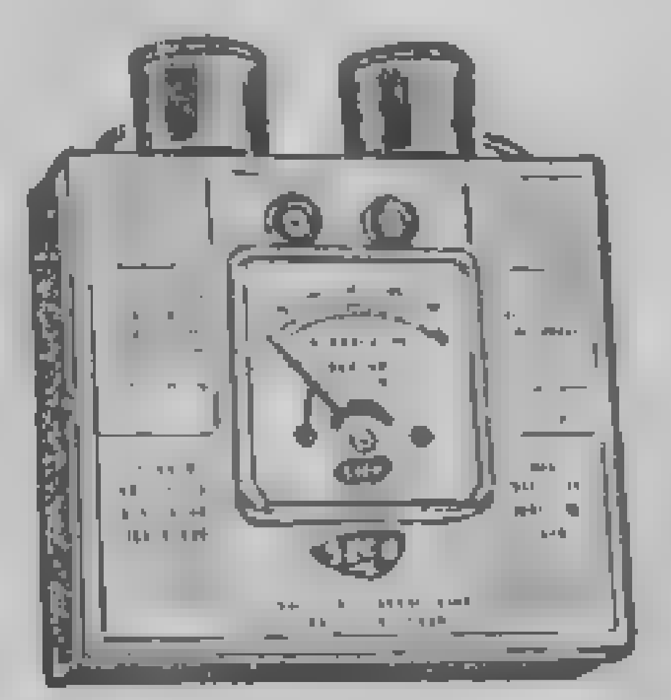
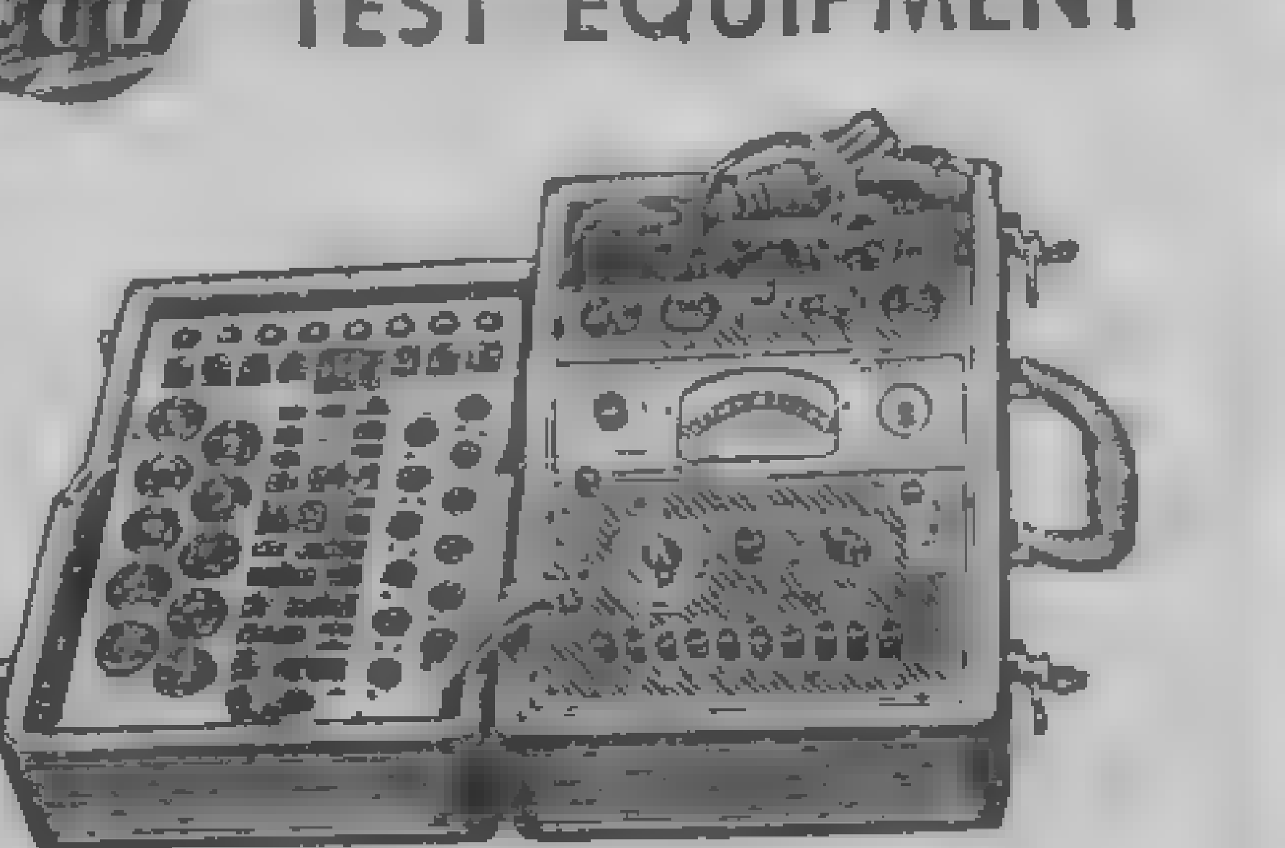


HC-6



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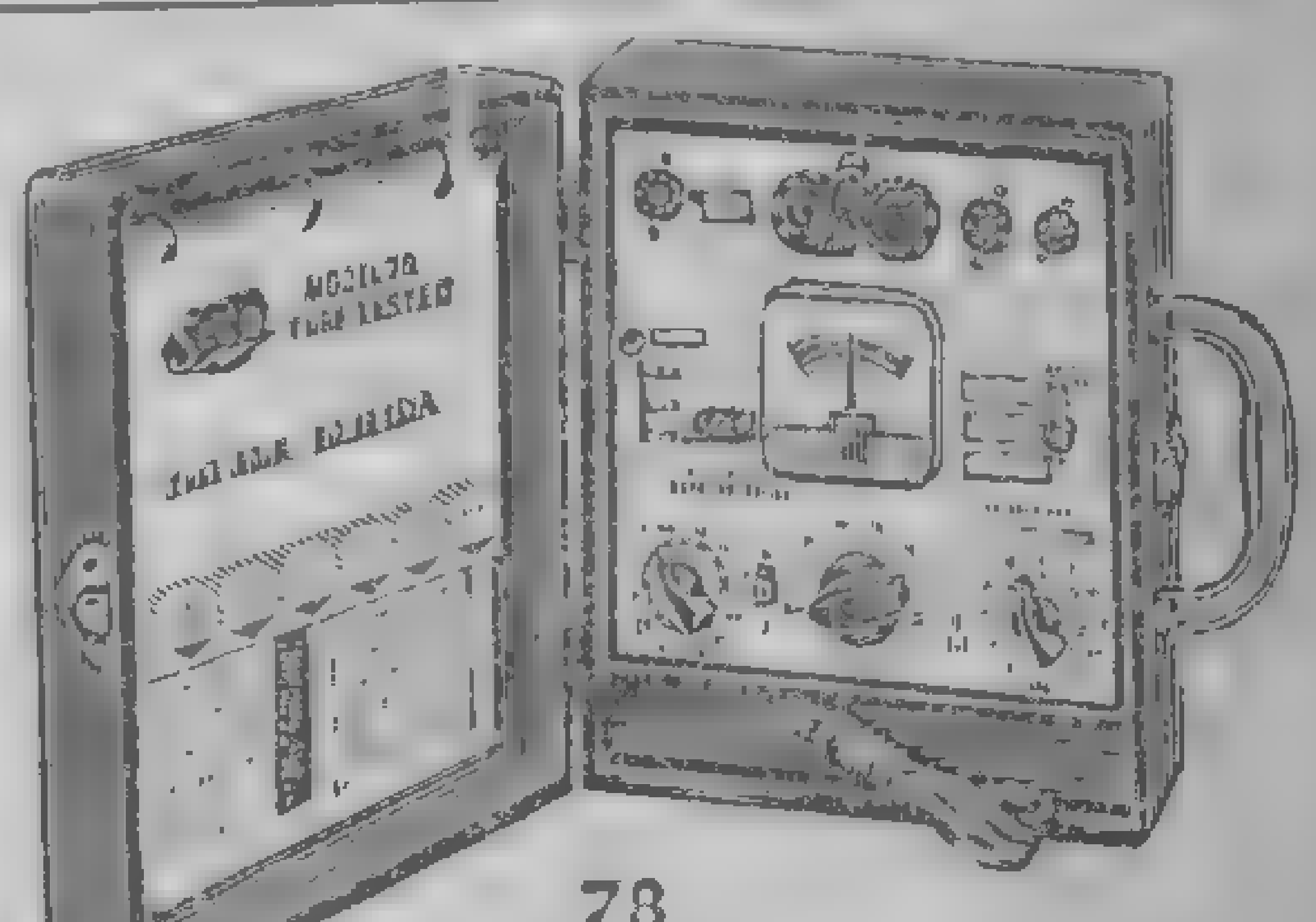


78

TRANSISTOR CHECKER

ODEL 100. Low-priced, dynamic transistor cker—tests all types of transistors quick- and with high accuracy. Ideal for repair- , technicians; experimenters and for duction line sorting.

generator circuit tests small-signal sistors, including drift types, as well as er transistors over a wide range of cur- s. Visual indicator checks for shorts, ens and gain simultaneously. Tests tran- tors either in or out of circuit. No set-up essary. Provides fast "Go/No-Go" test. s circuit for matching similar types.

ks for use with AC voltmeter or scope r high-sensitivity noise tests. 6¼x3¾x2". th 1.5 v. battery. Wt., 1½ lbs.

7 F 203. *$2 Down.* NET..........**19.55**

CURRENT CHECKER

MODEL HC-6. Low-cost cathode current checker for testing TV horizontal output circuits. Permits in-circuit checking—without removing chassis. 0-300 ma meter. Sockets handle most output tubes. 5½x5x2". For 110-120 v., 60 cycle AC. Wt., 1 lb.

87 F 247. NET....................**12.69**

PORTABLE TUBE TESTER

MODEL 107. Compact, precision tube tester. "Good-?-Bad" meter shows results of DMC and cathode emission test; "eye" shows "control-grid-emission". Also checks filament continuity, leakage, open elements, gas. Tests subminiature and foreign tubes. 6x9x13½". For 110-120 v., 60 cycle AC. Shpg. wt., 15 lbs.

87 FU 295. *$5 Down.* NET..........**136.71**

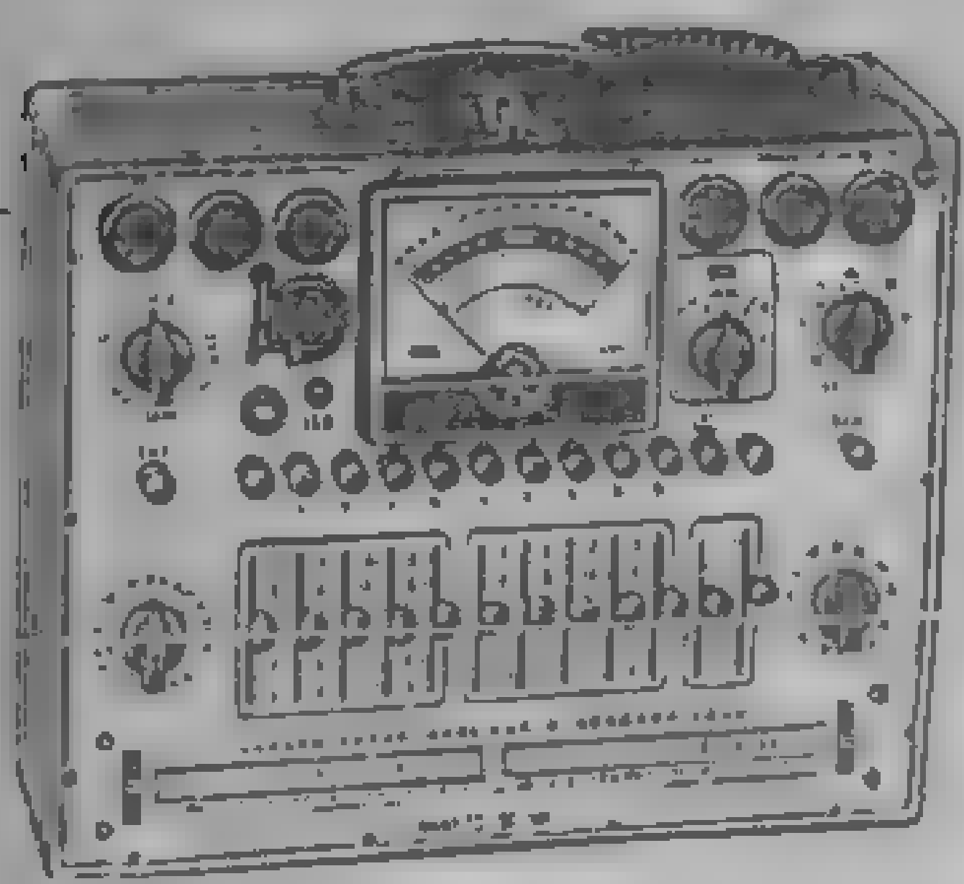
GRID CIRCUIT & TUBE MERIT TESTER

MODEL 78. An efficient, time-saving tester. Features simple, ultra fast operation. Uses only 5 sockets for complete test coverage of all modern, heater-type, radio and TV tubes. A single, easy-to-read meter indicates results for both grid circuit and tube merit tests. Meter deflects to left for grid circuit test; to right for merit test. Two-stage DC amplifier isolates meter from tube under test—protects meter and permits a wide range of load currents and test conditions. Set-up is quick and easy—flip cards listing data are stored in detachable cover. In covered wood case. 9x10½x5". For 110 120 v., 50-60 cycle AC. Wt., 6 lbs.

87 F 249. *$5 Down.* NET..........**68.11**

Eico Test Equipment—Kits and Wired

666-K TUBE & TRANSISTOR TESTER KIT



Five Ranges of Meter Sensitivity

- Speedy and Simple to Use
- Indicates Mutual Conductance, Plate Conductance & Emission

This versatile, easy-to-use tester indicates mutual conductance, plate conductance and peak emission of tubes under close simulation of actual operating conditions. Also measures transistor collector current and shows current amplification factor. 200 μa meter provides direct leakage readings up to 20 megohms.

Tests all receiving tubes, n-p-n and p-n-p transistors, and many small transmitting and special-purpose tubes. Both color and black-and-white TV picture tubes can be tested with Model CRA Picture Tube Adapter, below. Gear-driven roll-chart mechanism provides smooth, trouble-free operation. Snap-in windows permit settings for new tubes to be entered on roll chart without disassembling unit.

Rugged gray wrinkle steel carrying case with steel cover and carrying handle. 12x15x4½". Less solder. For 105-130 v., 50-60 cycle AC. Wt., 18 lbs.

83 FX 198. *$5 Down.* NET....**69.95**

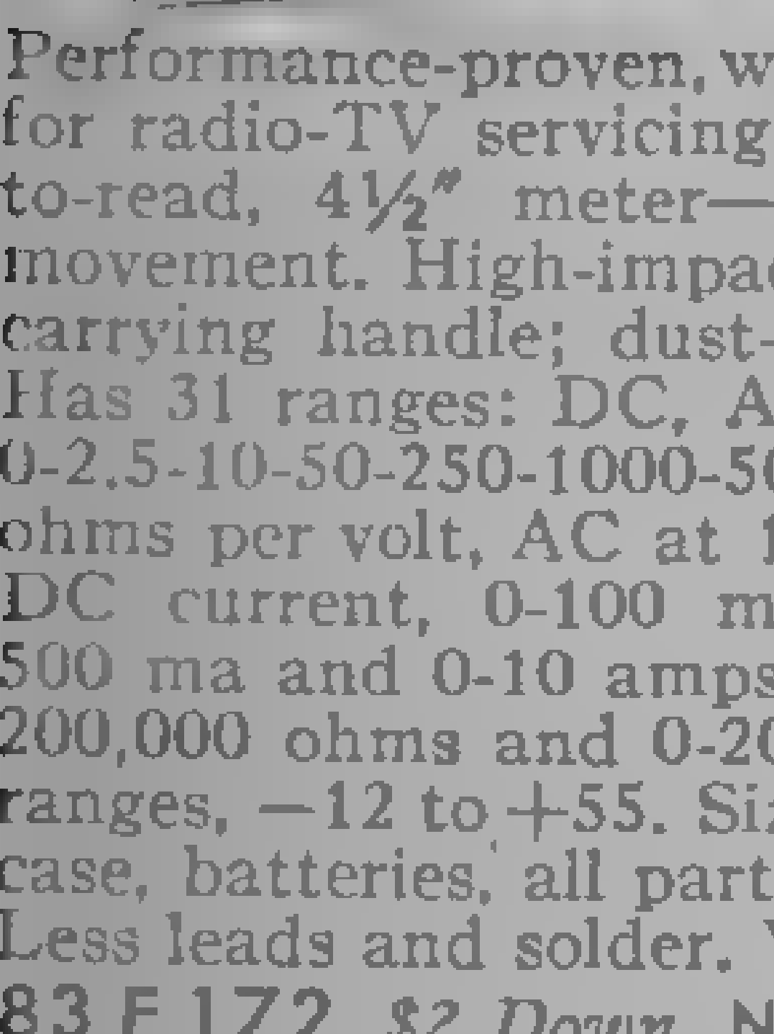
MODEL 666. As above, but factory-wired.
87 FX 226. *$5 Down.* NET....**109.95**

MODEL CRA PICTURE TUBE ADAPTER

(Not illus.) Adapts 625 and 666 tube testers for fast, easy checking all TV picture tubes, except 110°. Measures emission. Tests for filament continuity, shorted elements. With standard 12-pin socket, octal connector, 4-ft. cable. Shpg. wt., 2 lbs.

84 F 348. NET....................**4.50**

MODEL CRA-110. Same as above but with "Eightar" 8-contact socket for checking 110° deflection tubes. Shpg. wt., 1 lb.
83 F 879. NET....................**3.95**



MODEL 565-K MULTIMETER KIT

- Sensitivity, 20,000 Ohms/Volt
- 31 Ranges
- Bakelite Case

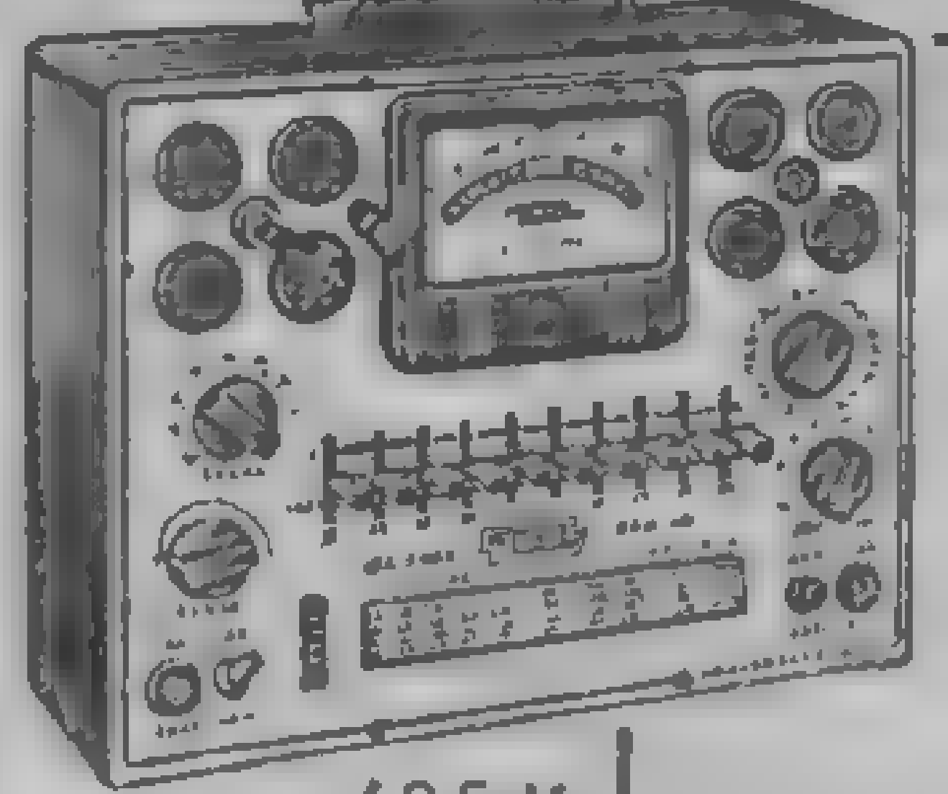
Performance-proven, wide-range multimeter for radio-TV servicing, etc. Features easy-to-read, 4½" meter—50-microamp meter movement. High-impact bakelite case with carrying handle; dust-free seal for meter. Has 31 ranges: DC, AC and output volts, 0-2.5-10-50-250-1000-5000 (DC at 20,000 ohms per volt, AC at 1000 ohms per volt); DC current, 0-100 microamps, 0-10-100-500 ma and 0-10 amps; resistance, 0-2000-200,000 ohms and 0-20 megohms. Five db ranges, −12 to +55. Size, 6¾x5¼x3". With case, batteries, all parts, wire, instructions. Less leads and solder. Wt., 4 lbs.

83 F 172. *$2 Down.* NET.........**24.95**

MODEL 565. As above, but factory-wired.
84 F 346. *$2 Down.* NET..........**29.95**

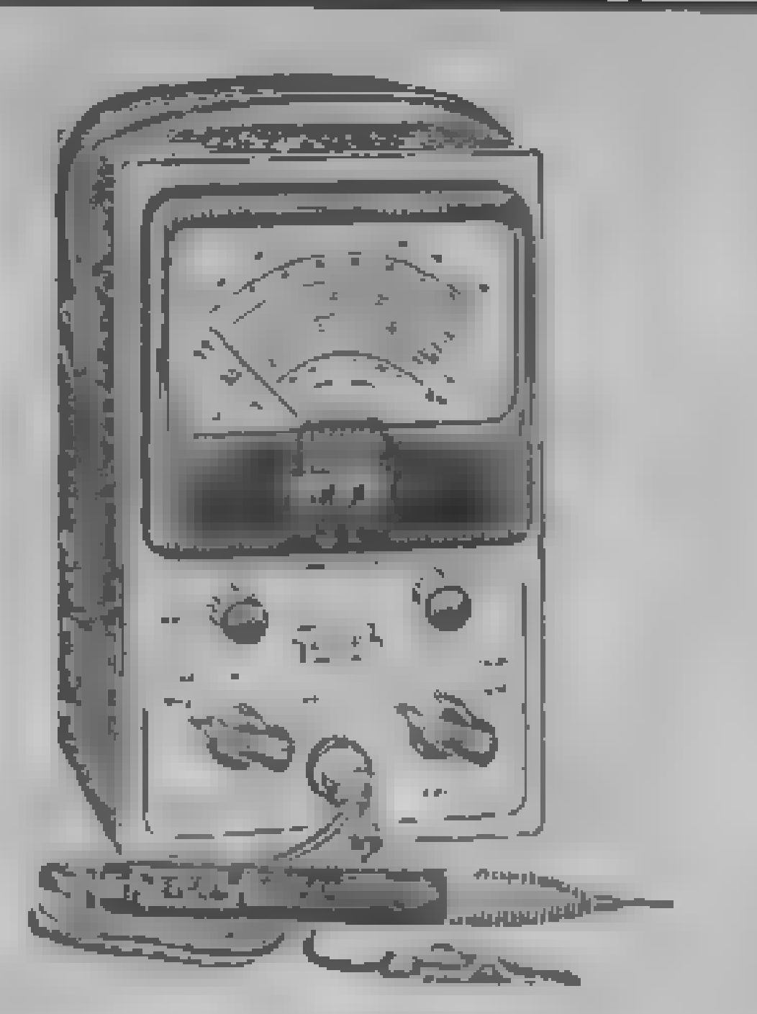
MODEL 555-K KIT. Same as 565-K above, but with 1% resistors. Wt., 4 lbs.
83 F 167. *$2 Down.* NET.........**29.95**

MODEL 555. As above, but factory-wired.
84 F 391. *$2 Down.* NET..........**34.95**

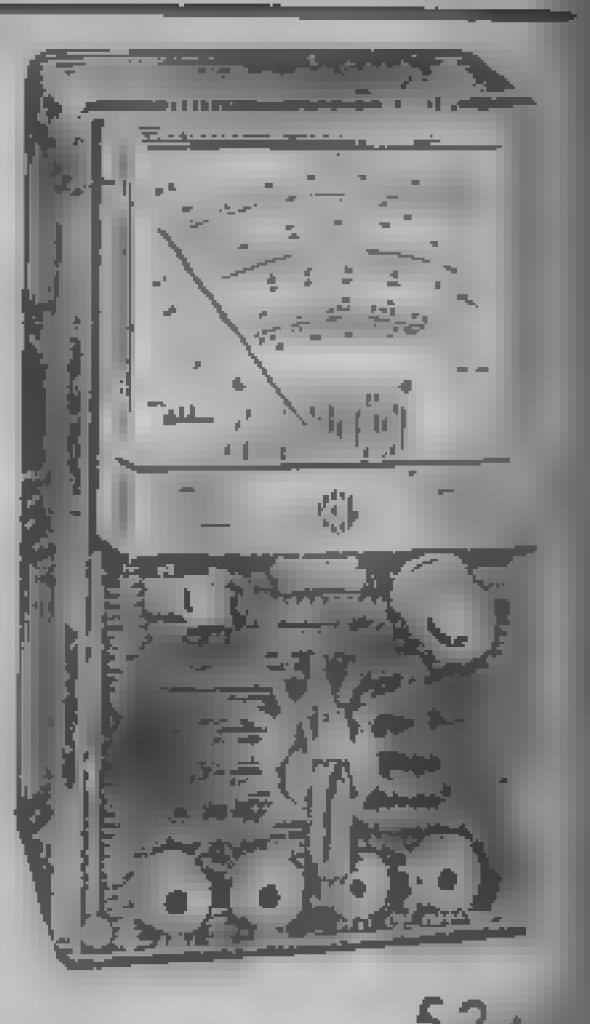


625-K

- Full-Vision 4½" Meter
- Tube-Matching Scale
- Checks Each Element



232-K



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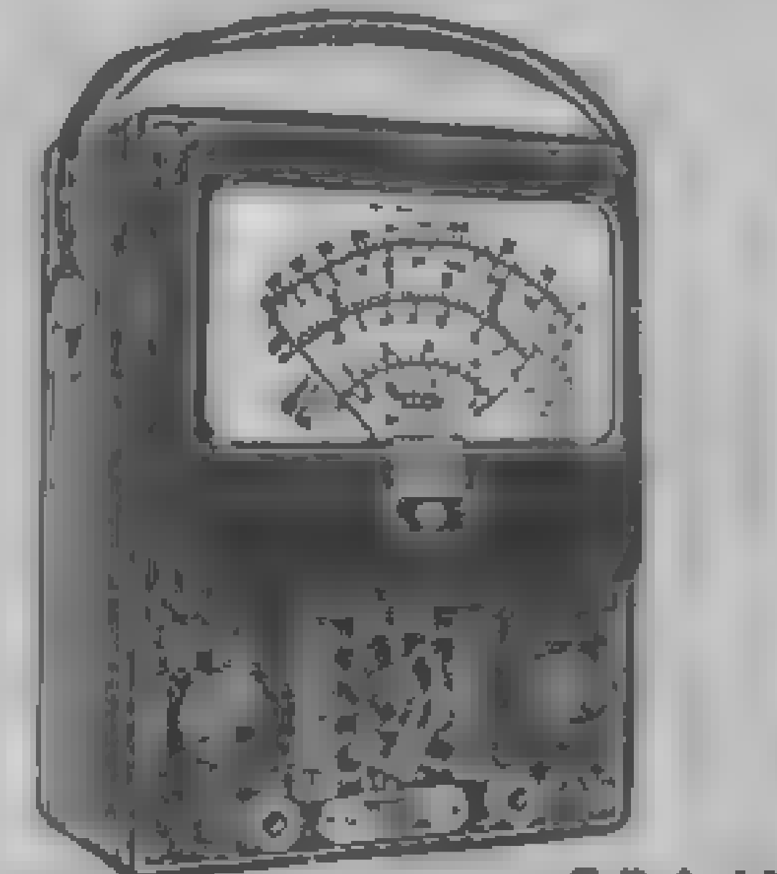
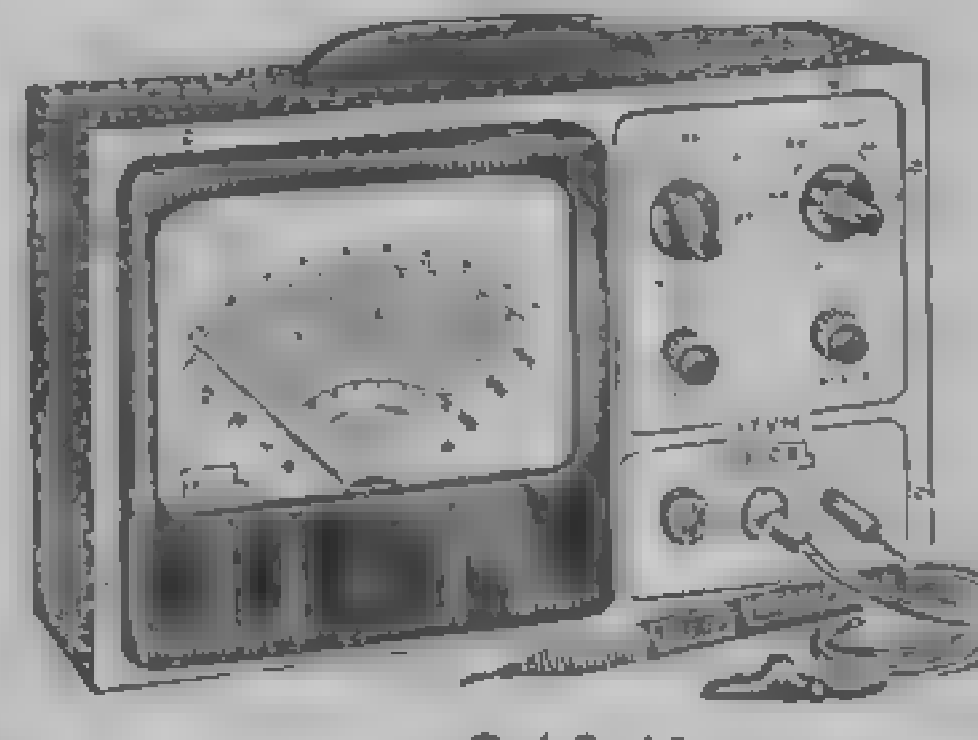
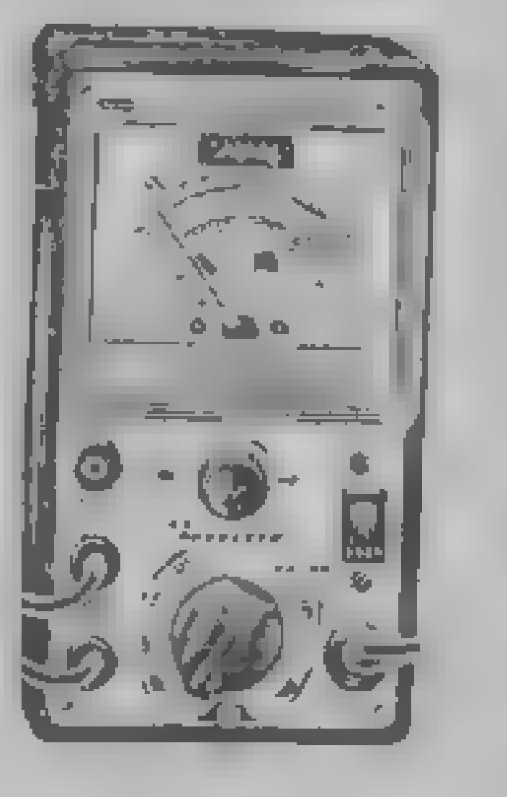


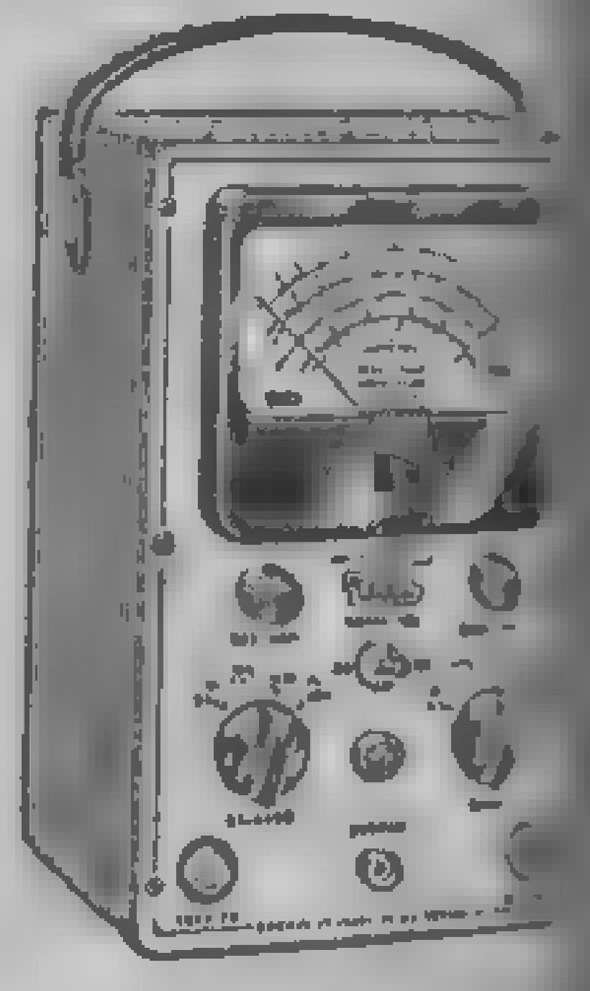
556-K



249-K



540-K



22

MODEL 625-K TUBE TESTER KIT

Tests emission, shorted elements, open elements, and continuity. Full-vision, 4½" meter with 3-color Replace-Weak-Good scale and 0-to-1000 scale for matching. An overload bulb indicates transformer overload and also serves as fuse. Rugged steel case. Illuminated, gear-driven "speed-roll" chart. Ten lever-action switches for individual testing of every tube element. Knockout for new tube socket. Less solder. For operation from 105-125 v., 60 cycle AC. 9½x12½x4¼". Shpg. wt., 12 lbs.

83 FX 161. *$2 Down.* NET........**34.95**

MODEL 625. As above, but factory-wired.
84 FX 397. *$2 Down.* NET.........**49.95**

MODEL L-1. Lid (cover) for 625-K or 625.
83 FX 880. NET...................**3.98**

MODEL 232-K VTVM KIT

A high-quality, moderately-priced service instrument. Balanced-bridge circuit provides accuracy and stability. Meter movement protected against burn-out. Easy-to-read 4½" scale. 1% multiplier resistors. Easily calibrated without removal from case. "Uni-Probe" provides convenient high-impedance input. Half turn of probe tip selects DC or AC/ohms. Measures peak-to-peak or rms values of AC waves. Ranges: p-p volts, 0-4-14-42-140-420-1400-4200 volts; DC/rms volts, 0-1.5-5-15-50-150-500-1500 volts; resistance 0 to 1000 megohms in 7 ranges. Has zero-center scale for TV and FM discriminator alignment. Tubes: 12AU7, 6AL5; selenium rectifier. Size, 7x4x5". Less solder. For 105-125 volt, 50-60-cycle AC. Shpg. wt., 7 lbs.

83 F 186. *$2 Down.* NET..........**29.95**

MODEL 232. As above, but factory-wired.
84 F 659. *$2 Down.* NET..........**49.95**

MODEL 249-K DELUXE VTVM KIT

Same as 232-K, but has 7½" meter. 8½x13x5". Less solder. Wt., 9 lbs.

83 F 187. *$2 Down.* NET.........**39.95**

MODEL 249. As above, but factory-wired.
84 F 660. *$5 Down.* NET..........**59.95**

VTVM PROBES

Accessory probes for use with all Eico VTVM models. Av. shpg. wt., 1 lb.

Stock No.	Type	Description	NET
83 F 188	PTP-25-K	P-to-P probe kit for 221, 214.	4.95
84 F 661	PTP-25	As above, but factory wired.	6.95
83 F 189	PRF-25-K	RF probe kit for 221 or 214.	3.75
84 F 662	PRF-25	As above, but factory wired.	4.95
83 F 196	PRF-11-K	RF probe kit for 232 or 249.	3.75
83 F 197	PRF-11	As above, but factory wired.	4.95

MODEL HVP-2 HIGH-VOLTAGE PROBE. Adapts VTVM units to read up to 30,000 volts. Factory wired and fully tested.
84 F 663. For Models 214, 221. NET
84 F 669. For Models 232, 249. EA...**4.95**

536-K STANDARD MULTIMETER KI

Has 3" meter. 13 ranges: AC and DC vo 0-1-5-10-50-100-500-5000 at 1000 oh volt; resistance, 0-500, 0-100,000 ohms, meg; AC and DC current, 0-1-10 ma 0 0.1-1 amps; 6 decibel ranges, −20 to + db. With bakelite case, wire, battery instructions. Less leads and solder. S 6¼x3¾x2". Shpg. wt., 3 lbs.

83 F 171. NET ....**12.**

MODEL 536. As above, but factory-wir
84 F 345. NET....................**14.**

MODEL 526-K KIT. As above, but with 1 resistors. Shpg. wt., 3 lbs.
83 F 166. NET ....**13.**

MODEL 526. As above, but factory-wir
84 F 390. NET.....................**16.**

MODEL 556-K STANDARD MULTIMETER KIT—WITH 4½" METER

Has 400-microamp movement. 38 full- ranges: DC, AC and output volts, 0-1-5- 50-100-500-5000 (at 1000 ohms per vol AC and DC current, 0-1-10 ma and 0-0. amp; resistance, 0-500-100,000 ohms 0-1 megohm. Six db ranges. −20 to + 1% resistors. Accuracy: DC, ±3%; A ±5%. With case, wire, battery. Less lea and solder. 6¾x5¼x3". Wt., 4 lbs.

83 F 173. NET....................**16.9**

MODEL 556. As above, but factory-wire
84 F 347. *$2 Down.* NET..........**23.**

MODEL 540-K "READI-TESTER" KIT

Combination AC/DC voltmeter, ammet ohmmeter, wattmeter, and leakage test Ranges: AC-DC volts, 0-7,5, 15, 150, 3 AC or DC Amps, 0-15. Resistance, 0-1 ohms. Has neon indicator for testing co tinuity and AC leakage. 3½" meter. Pa outlet for current metering. Etched alu num panel, black bakelite case. With ba teries, leads, less solder. 6½x3¾x3½ Shpg. wt., 3 lbs.

83 F 199. NET....................**12.**

MODEL 540. As above, but factory-wire
84 F 667. NET....................**15.**

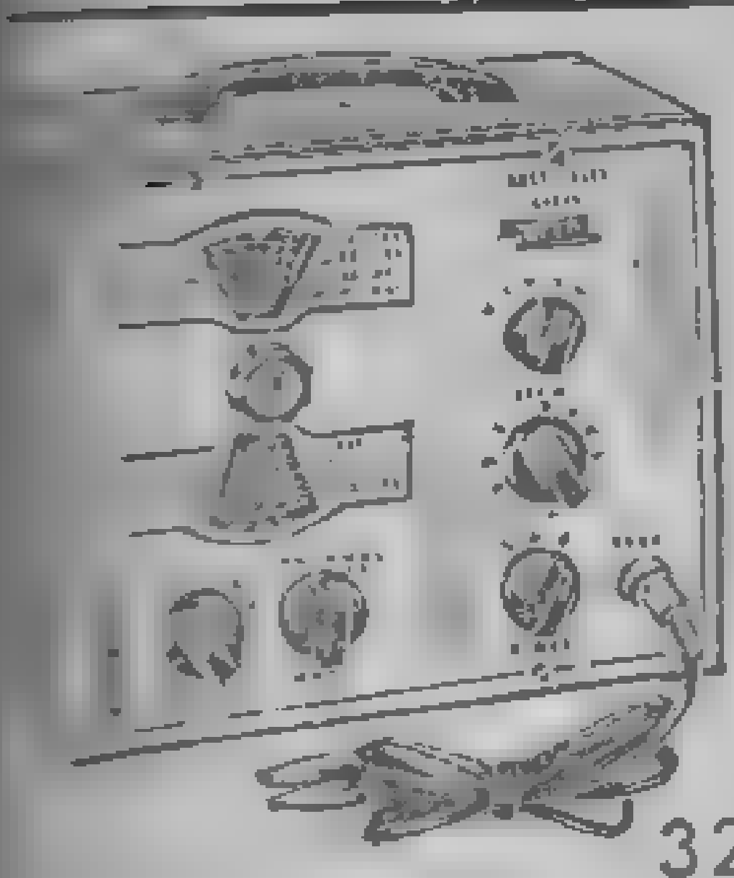
MODEL 221-K VTVM KIT

Sensitive, 20-range VTVM for high-resi ance circuits. 25-meg DC input. 4½" me protected against burnout. Zero-center sc for FM-TV discriminator alignment. Du triode balanced bridge, 1% multipl resistors. Ranges: AC-DC volts, 0-5-10-1 500-1000; extends to 30,000 volts and 2 mc with HVP-2 and PRF-25 probes; resi ance, 0-1000 ohms, 0-1-10-100-1000 me ohms; db −20 to +55. Tubes: 6H6, 6S and 6X5 rectifier. With leads, less sold 6x9⁷⁄₁₆x5". For 105-125 v., 50-60 cycle A Shpg. wt., 10 lbs.

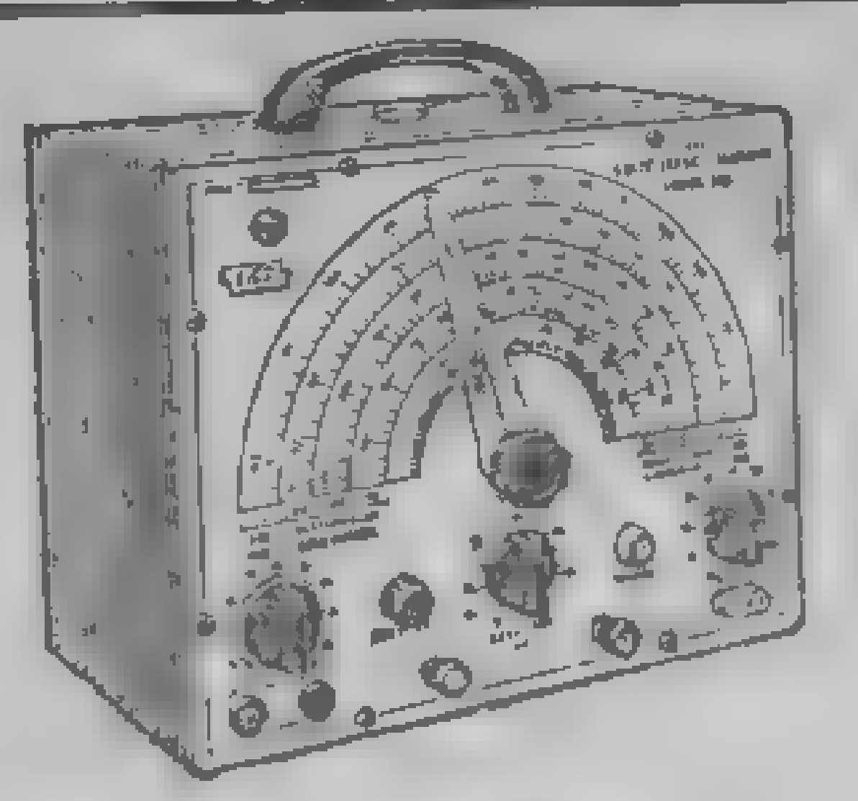
83 F 152. *$2 Down.* NET.........**25.9**

MODEL 221. As above, but factory-wire
84 FX 389. *$2 Down.* NET.........**39.**

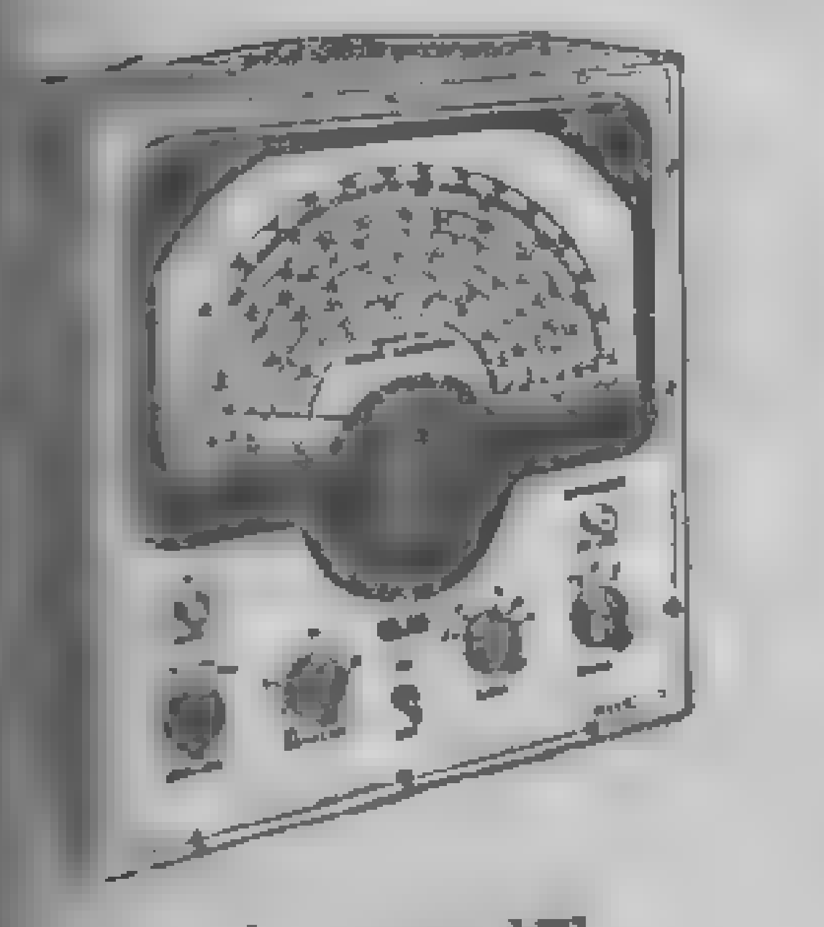
Eico Test Equipment—Kits or Wired



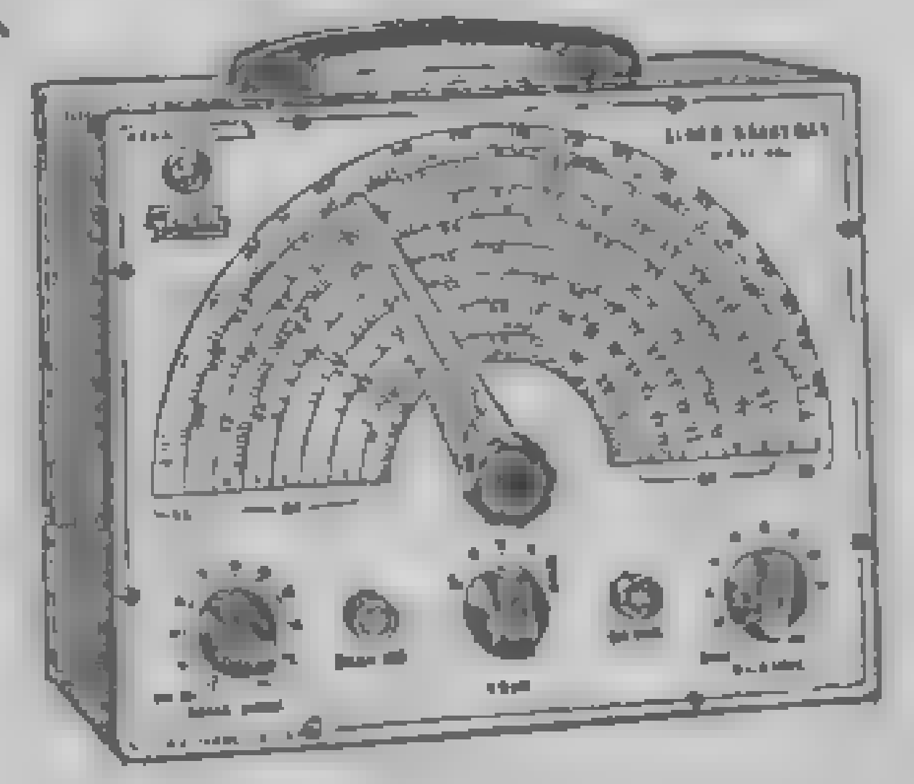
324-K



360-K

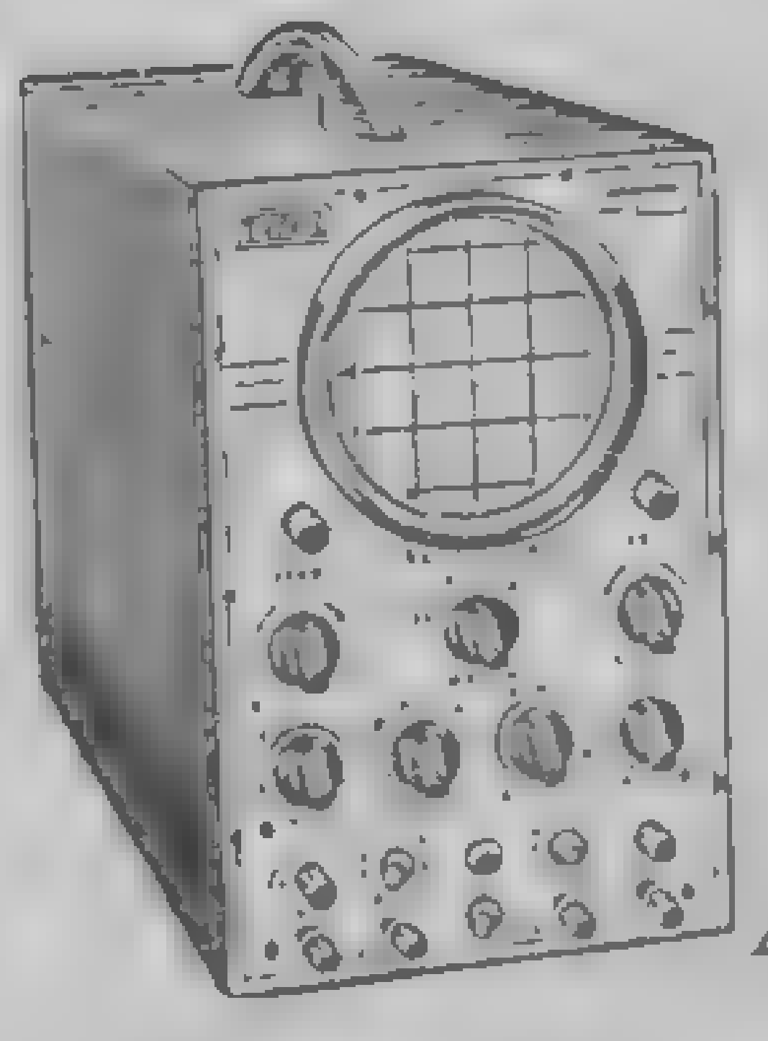


315-K



320-K

- Easy-to-Read 9″ Dial
- 150 Kc to 102 Mc Range



425-K

- Wide Bandwidth
- High Sensitivity

-K RF SIGNAL GENERATOR KIT

tinuous Output from 150 kc to 435 mc
node Follower Modulated Oscillator

des modulated or unmodulated RF l. Has expanded frequency range of 6 mental bands: 150-400 kc, 400-1200 2-3.5 mc, 3.5-11 mc, 11-37 mc and 37-mc. One harmonic band covers 111-435 Calibration accuracy is ±1.5%. Output ance, 50 ohms. Internal modulation 0 cps variable from 0 to 50%; can be for audio testing. Input has gain con-or use with external modulator. Col-RF oscillator is directly modulated by e follower. Fine and coarse RF at-ators. With tubes and all parts. Less r. 8x10x4¾″. For 105-125 v, 50-60 AC. Shpg. wt., 10 lbs.

F 192. *$2 Down.* NET.........26.95

EL 324. As above, but factory-wired.
F 666. *$2 Down.* NET..........39.95

DEL 360-K SWEEP GENERATOR KIT

y advanced feature needed for quick, ate alignment of TV or FM receivers. deo IF alignment and response curve tment, sound IF and sound detector ment. Covers 500 kc to 228 mc. Vari-sweep, 0-30 mc. Crystal marker oscil-with variable amplitude. Provision for tion of external marker. Phase control. vernier tuning dial. Center of each TV nel is marked on front panel. With parts, instructions. Less 5-mc crystal older. 10x8x6¾″. For 105-125 v., 50-60 AC. Shpg. wt., 12 lbs.

F 159. *$2 Down.* NET.........34.95

DEL 360. As above, but factory-wired.
FU 342. *$2 Down.* NET.........49.95

MODEL 315-K DELUXE RF SIGNAL GENERATOR KIT

AM, FM, TV servicing. 1% accuracy 75 kc to 150 mc. 9″ illuminated dial. ier tuning. Provision for external mod-tion. Internal 400-cps sine wave gener-with attenuator for RF modulation external audio testing. Uses: 7F7, 6C4; 150, and 6X5. 12x13x7″. Less solder. For 5-125 v., 50-60 cycle AC. 20 lbs.

3 FU 162. *$2 Down.* NET.......39.95

DEL 315. As above, but factory-wired.
FU 395. *$5 Down.* NET.........59.95

320-K RF SIGNAL GENERATOR KIT

l-designed circuit uses a stable Hartley llator. Covers 150 kc to 34 mc on funda-tals—to 102 mc on harmonics. 400-cps dulation. Has 9″ dial calibrated in 7 ds. Complete with tubes, portable case, shielded cable, instructions, etc. Less der. 10x8x4¾″. For 105-125 v., 50-60 le AC. Shpg. wt., 10 lbs.

3 F 154. *$2 Down.* NET..........19.95

DEL 320. As above, but factory-wired.
F 394. *$2 Down.* NET..........29.95

MODEL 425-K 5″ OSCILLOSCOPE KIT

- Wide Bandwidth and High Sensitivity
- Push-Pull Horizontal and Vertical Outputs

Popular, performance-proven cathode-ray oscilloscope. Ideal for AM, FM and TV servicing. Push-pull outputs in horizontal and vertical amplifiers provide balanced vertical and horizontal deflection. Wide bandwidth and high sensitivity. Sensitivity, .05 to 0.1 rms volt/inch. Range, 5 cps to 500 kc. Input imp., 1 meg. Multi-vibrator sweep circuit with frequency range of 15-75,000 cps. Provision for external sync., Z-modulation and direct input to CR tube plates. Intensity (z-axis) modulation input permits sweep blanking or insertion of timing markers on the trace. Has calibrating terminal on panel. Has graph screen. With tubes and parts. Less solder. 8½x17x13″. For 105-125 v., 50-60 cycle AC. 30 lbs.

83 FU 155. *$2 Down.* NET........44.95

MODEL 425. As above, but factory-wired.
84 FU 392. *$5 Down.* NET.........79.95

MODEL 488-K ELECTRONIC SWITCH KIT

(Not Illus.) Permits viewing 2 patterns on a scope. Switching rates: 10-2000,cps, variable. Freq. resp. 0-30,000 cps (±2 db). 6x8x6″. Less solder and leads. For 105-125 v., 50-60 cycle AC. Shpg. wt., 7 lbs.

83 F 185. *$2 Down*.............23.95

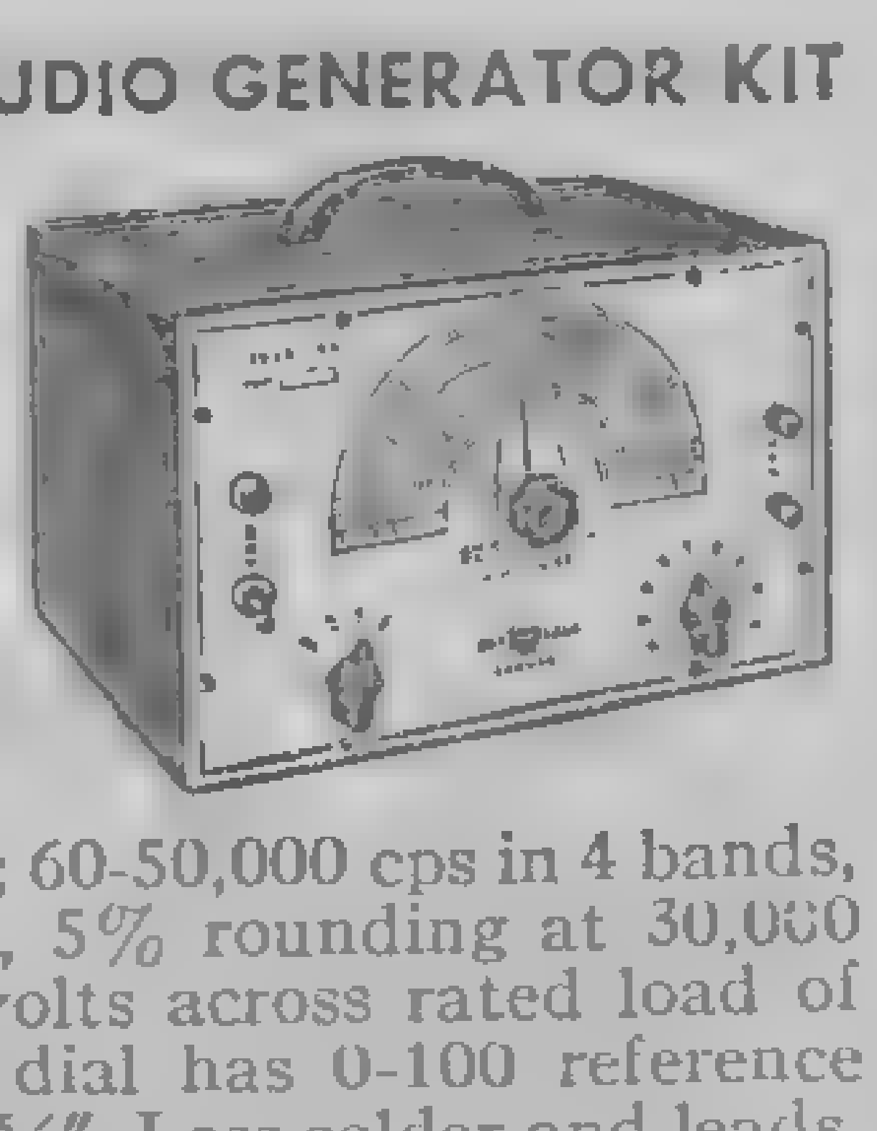
MODEL 488. As above, but factory-wired.
84 F 658. *$2 Down*...............39.95

OSCILLOSCOPE TV PROBES

For signal and waveform tracing, etc. Fully shielded. Av. shpg. wt., 5 oz.

Stock No.	Type	Description	NET
83 F 180	PSD-K	Demodulator Probe Kit.	3.75
84 F 653	PSD	As above, but wired.	5.75
83 F 181	PD-K	Direct Probe Kit.	2.75
84 F 654	PD	As above, but wired.	3.95
83 F 182	PLC-K	Low-Capacity Probe Kit.	3.75
84 F 655	PLC	As above, but wired.	5.75

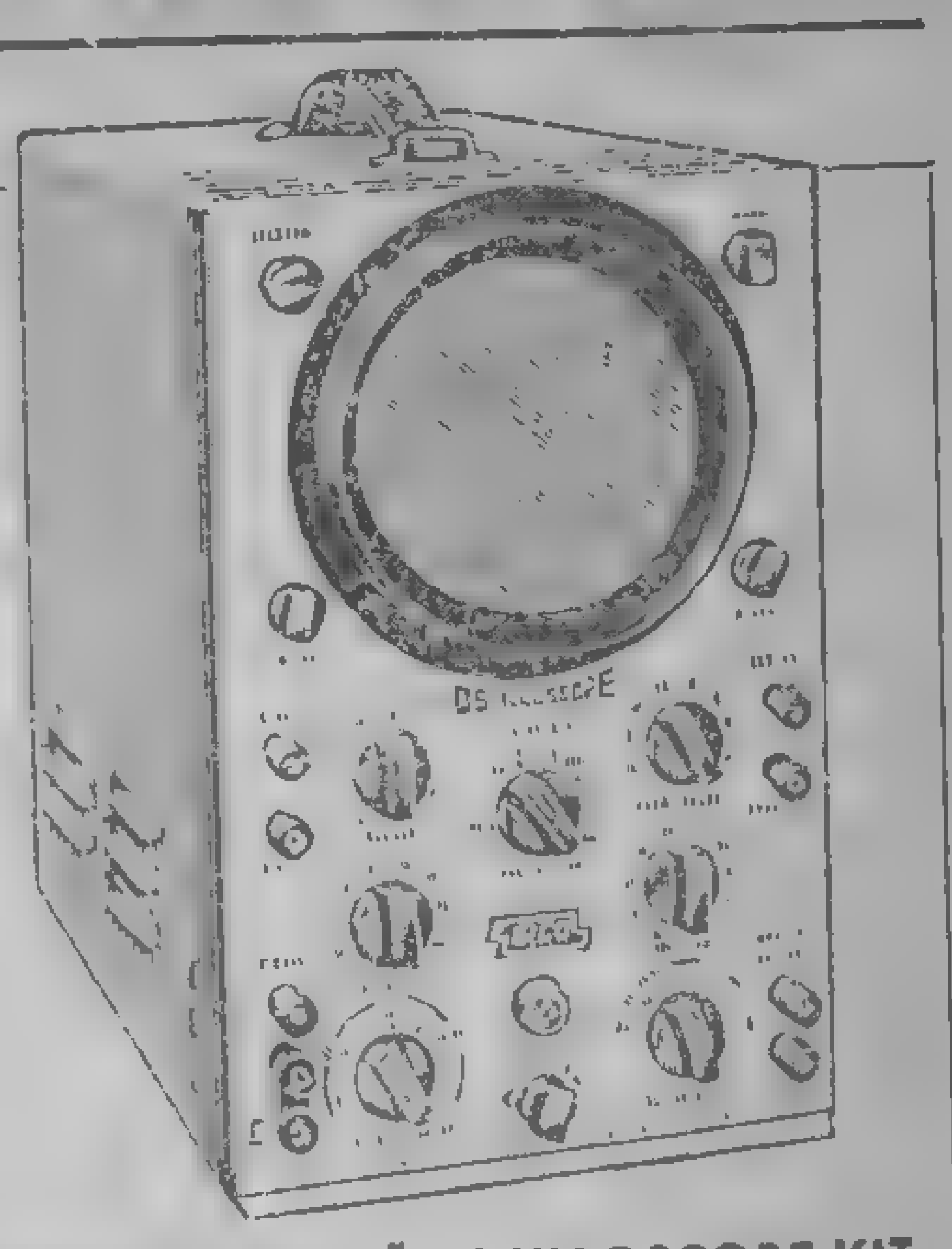
MODEL 377-K AUDIO GENERATOR KIT



Provides sine and square waves. 1% resistors in Wien bridge-type oscillator circuit. Sine wave: 20-200,000 cps in 4 bands, ±1.5 db. from 60-150,000 cps, less than 1% distortion. Square wave: 60-50,000 cps in 4 bands, 5% tilt at 60 cps, 5% rounding at 30,000 cps. Output: 10 volts across rated load of 1000 ohms. 6½″ dial has 0-100 reference scale. 7⅛x11⅜x7⅝″. Less solder and leads. For 105-125 v., 50-60 cycle AC. 14 lbs.

83 FX 169. *$2 Down.* NET.........31.95

MODEL 377. As above, but factory-wired.
84 FU 349. *$2 Down.* NET.........49.95



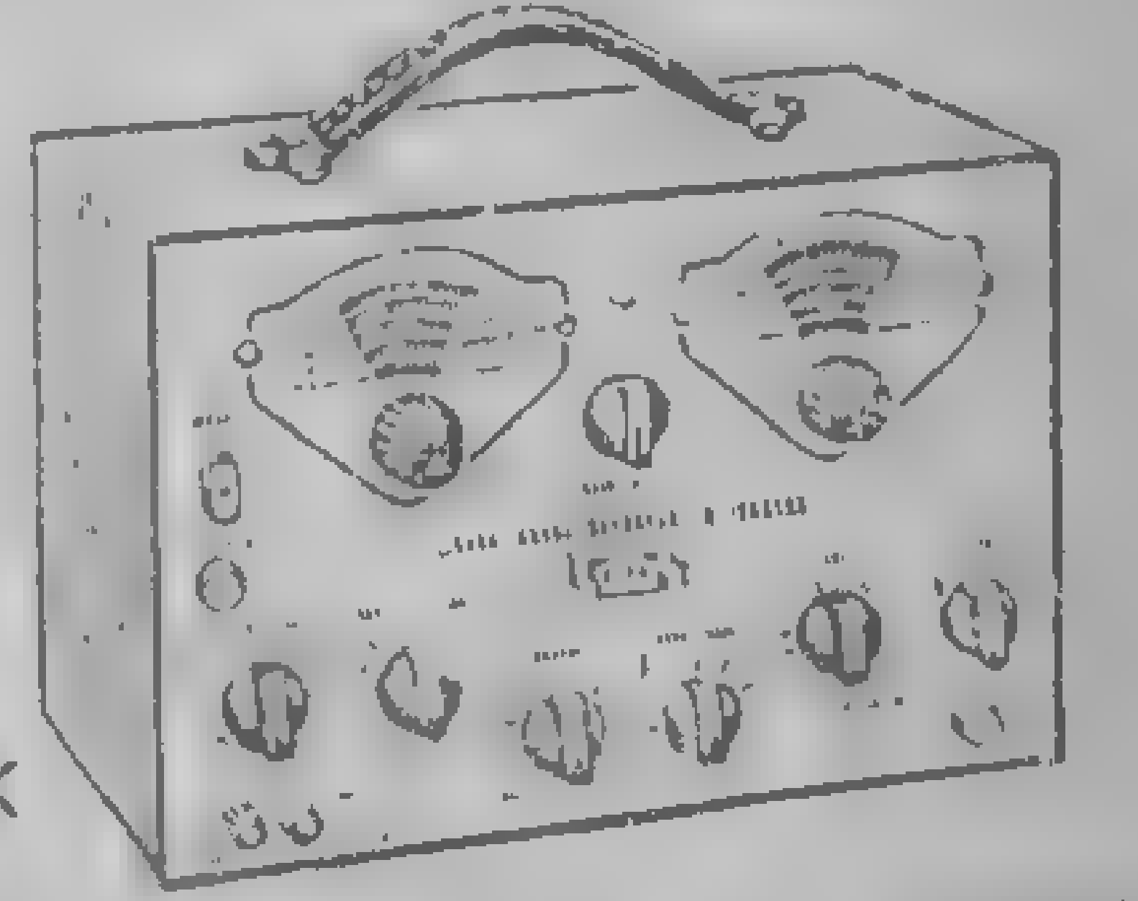
MODEL 460-K 5″ OSCILLOSCOPE KIT

- For Black and White and Color TV
- 4-Step Attenuator in DC and AC
- Vertical Sensitivity: 25 mv/inch
- Built-in Voltage Calibrator

Wide-band scope for lab and color TV use. Response flat from DC to 4.5 mc—usable to 10 mc. Accurately reproduces 3.58-mc color TV sync burst. 4-step attenuator in both DC and AC position. High vertical sensitivity—25 mv/inch. Built-in voltage calibrator injects accurately adjusted reference voltage into vertical amplifier to permit direct peak-to-peak voltage measurement. Full screen DC vertical positioning and 2X full-screen horizontal positioning. Automatic sync limiter and amplifier eliminates sync voltage adjustment. Sweep: 10 cps to 100 kc, plus low frequency sweep with external capacitor. Graph screen has variable illumination. Push-pull vertical amplifier, direct coupled. Cathode follower inputs. With all tubes, CRT, all parts, instructions. 13x8½x16″. Less solder. For 105-125 v., 50-60 cycle AC. Shpg. wt., 26 lbs.

83 FU 193. *$5 Down.* NET.....79.95

MODEL 460. As above, but wired.
84 FU 668. *$5 Down.* NET.... 129.50



368-K

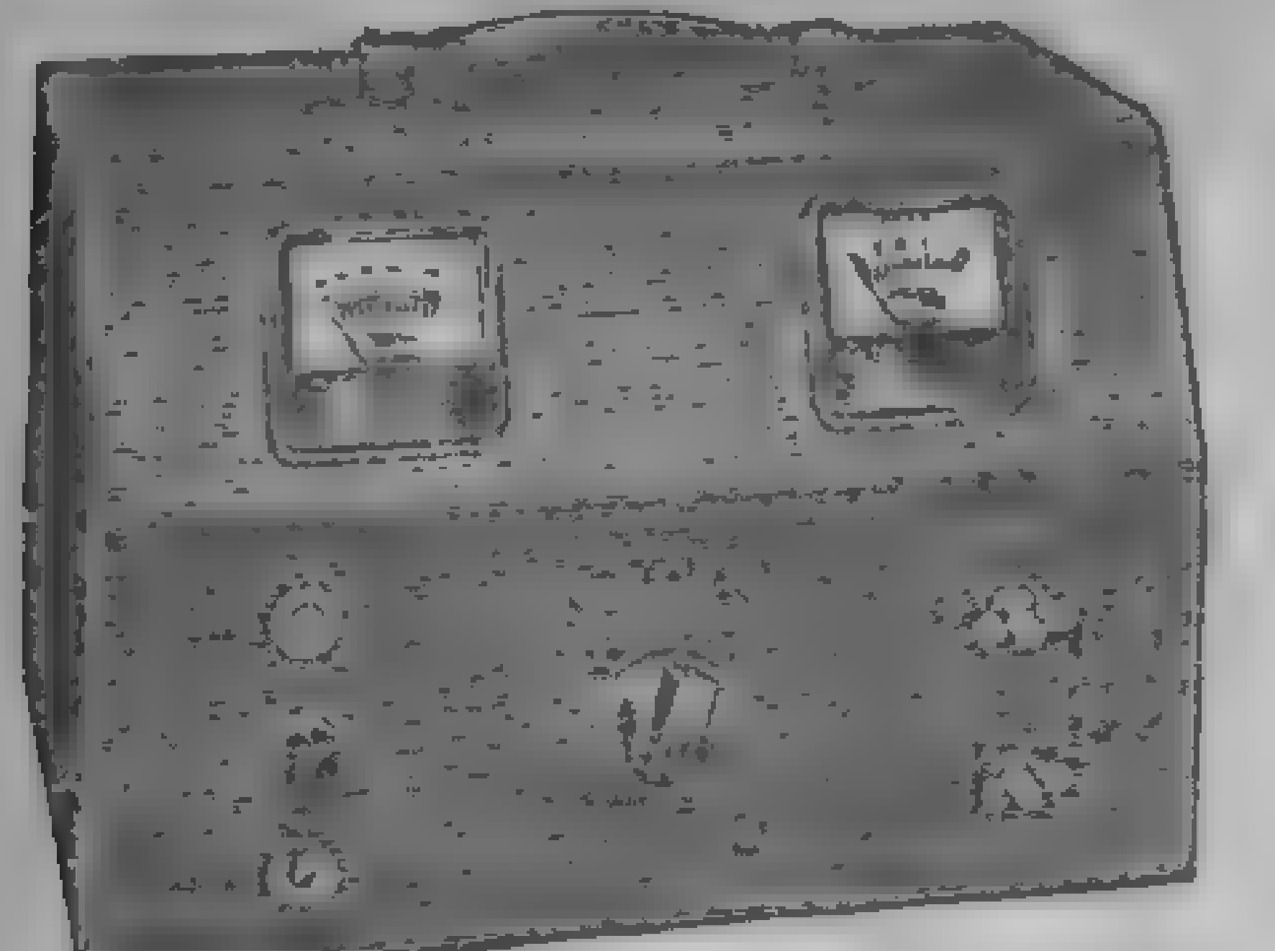
MODEL 368-K SWEEP & MARKER GENERATOR KIT

Sweep generator and marker for highly accurate alignment of FM, color and black-and-white TV. Covers 3 to 216 mc in 5 ranges. Variable frequency marker provides output from 2 to 75 mc on fundamentals; to 225 mc on harmonics. Sweep width is variable from 0-30 mc. Supplied with built-in 4.5-mc crystal marker for oscillator. Provides dual markers for RF or IF alignment. Provision for adding external marker. Continuously variable sweep and marker attenuators. Has retrace blanking. Output impedance, 50 ohms. Edge-lit hairlines for high tuning accuracy. Tube complement: 12AT7, 12AV7, 12AX7, 6AU6, 12B4; 6X4, rectifier, selenium bias rectifier. Size, 8¾x13½x7¼″. Supplied complete with all tubes, parts and instructions. Less solder. For operation from 105-125 v., 50-60 cycles AC. Shpg. wt., 16 lbs.

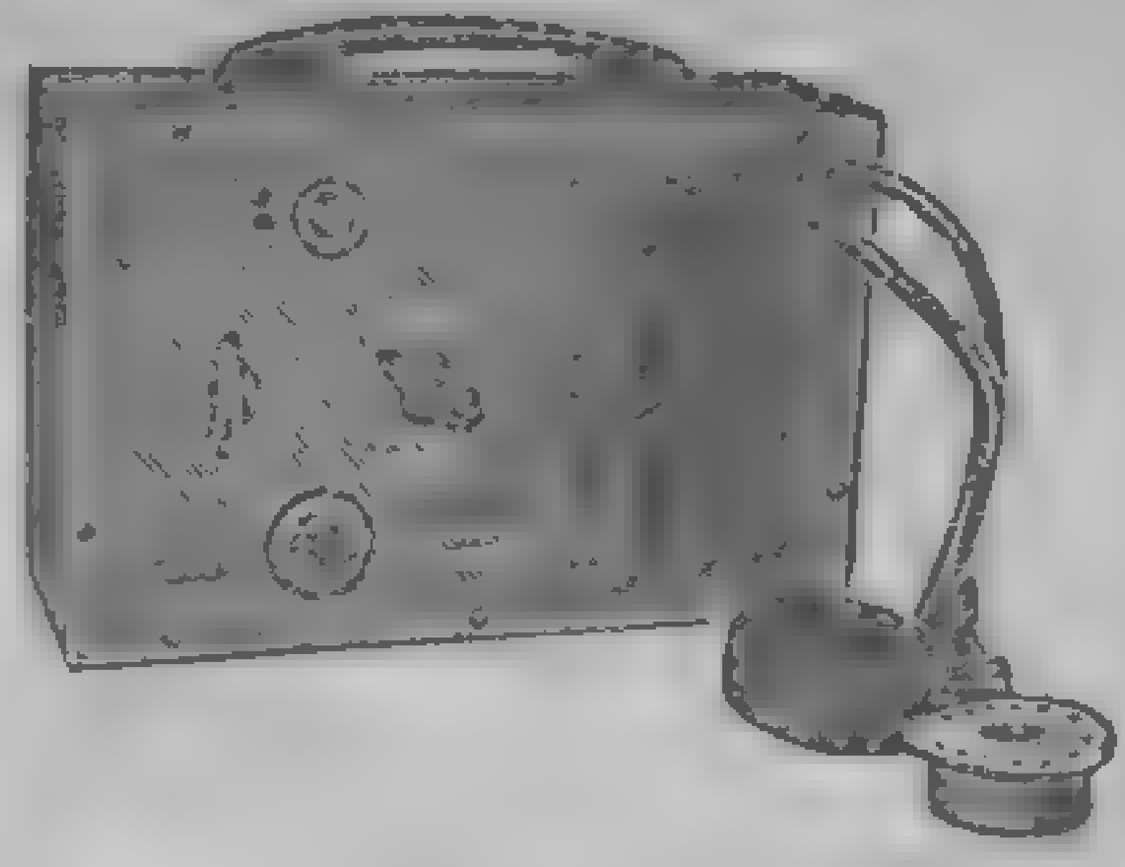
83 FU 950. *$5 Down.* NET.......69.95

MODEL 368. As above, but factory-wired.
87 FU 225. *$5 Down.* NET.......119.95

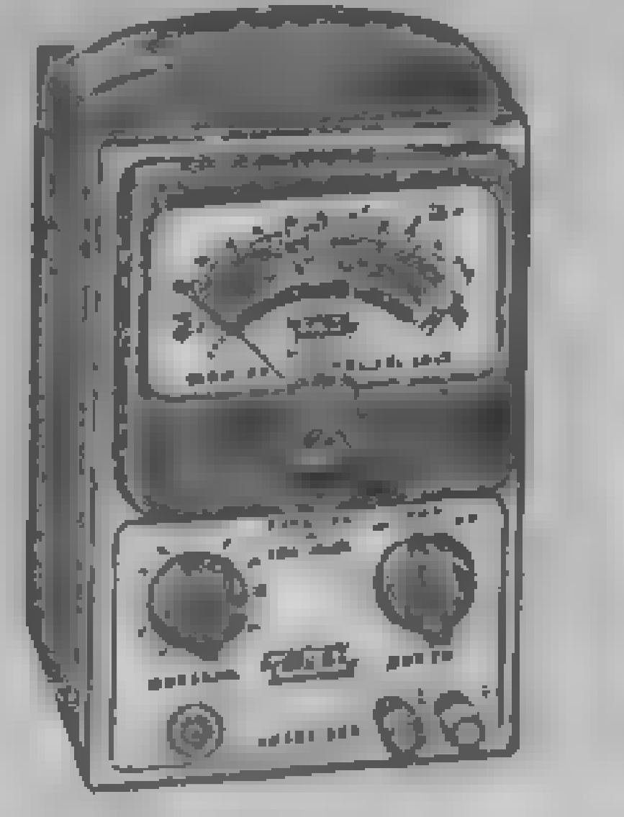
Eico Test Equipment—Kits and Wired



495-K

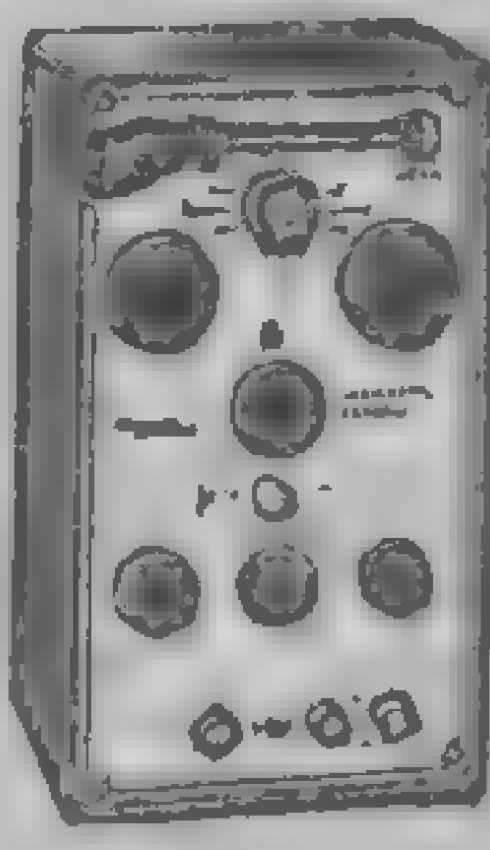


630-K



944-K

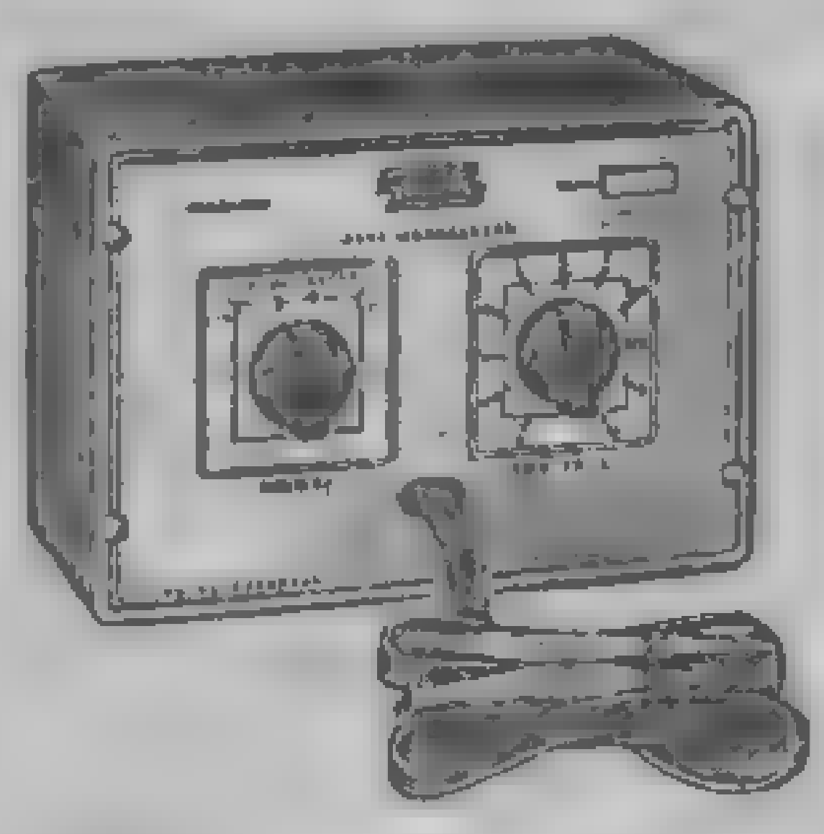
584-



612-K

1020-K

145A-K



352-K

710-

MODEL 1060-K DELUXE BATTERY ELIMINATOR KIT

- Battery Charger or Eliminator
- For All 6 & 12-Volt Auto Radios

A powerful unit for operating any auto radio, including transistor models. Includes effective smoothing filter to aid servicing of transistor sets. Can be used as a battery charger or eliminator. Features: 2 DC ranges with extra filtering and continuous adjustment by a variac; separate voltmeter and dual range ammeter; heavy-duty selenium rectifiers; fused primary; automatic reset overload relay in secondary.

Specifications: low range, 0-8 v., 10 amps continuous, 20 amps intermittent, 1.5% ripple at 2 amps, 2% at 6 amps; high range, 0-16 v., 6 amps continuous, 10 amps intermittent, 0.3% ripple at 2 amps, 1.5% at 10 amps; voltmeter range, 0-20 v.; ammeter, 0-10, 0-20 amps. With steel case, parts, and instructions. Less solder. Size, 8¾x10½x 7¾". For 105-125 volts, 60 cycle AC. Shpg. wt., 19 lbs.

83 FX 875. *$2 Down.* NET **38.95**

MODEL 1060. As above, but factory-wired.
83 FU 876. *$2 Down.* NET **47.95**

MODEL 1050-K 6-12 VOLT BATTERY ELIMINATOR KIT

Power supply for 6 or 12 volt auto radios. Same battery eliminator and charger as Model 1060-K above, but less smoothing filter. Shpg. wt., 15 lbs.

83 FX 175. *$2 Down.* NET....... **29.95**

MODEL 1050. As above, but factory-wired.
84 FU 341. *$2 Down.* NET......... **38.95**

MODEL 147-K DELUXE SIGNAL TRACER KIT

- For Visual or Aural Monitoring
- Has "Magic Eye" and 5" Speaker

Versatile transformer-operated instrument. High and low-gain RF channels with internal wide-frequency range demodulator permits direct observation of signal. Has output for VTVM or oscilloscope. May be connected as substitute speaker, output transformer, or amplifier. Heavy filtering and hum-balance control. Both visual and aural monitoring of all RF and AF channels—magic eye and 5" PM speaker. Calibrated wattmeter circuit indicates wattage consumption in unit under test. Has noise localizer circuit. Aluminum panel, gray wrinkled steel case. Size, 9x10x5". With probes. Less solder. For 105-125 volts, 60 cycle AC. Shpg. wt., 10 lbs.

83 F 190. *$2 Down.* NET **24.95**

MODEL 147. As above, but factory-wired.
84 F 664. *$2 Down.* NET **39.95**

495-K SCOPE CALIBRATOR KIT

Injects a calibrated, semi-square wave on the scope screen for comparison with any waveform. Ranges: 0 to 1, 10 and 100 volts peak-to-peak, continuously calibrated. Accuracy: ±5% of full scale on each range. Switch permits transfer of signal under observation directly to scope. 5x7¾x4". Less solder, leads. For 105-125 v., 60 cycle. Shpg. wt., 4 lbs.

83 F 176. NET...................**12.95**

MODEL 495. As above, but factory-wired.
84 F 384. NET....!.............**17.95**

MODEL 630-K CRT CHECKER KIT

Tests all CRT's—has bridge for measurement of peak beam current (which is proportional to screen brightness). Neon lamp acts as a sensitive bridge balance indicator. Two test sockets, each with 2⅓ ft. of cable for duo-decal (12-pin) and diheptal (14-pin) tubes. Less solder. 6½x9½x3". For 105-125 v., 60 cycle AC. Shpg. wt., 6 lbs.

83 F 177. NET...................**13.95**

MODEL 630. As above, but factory-wired.
84 F 650. NET...................**18.95**

MODEL 944-K FLYBACK TESTER KIT

Quickly and easily spots defective flyback transformers and yokes in black and white and color TV sets. Also checks continuity of yokes, speakers, etc. Features grid-dip principle and separate calibration for air and iron-core flybacks. 4½" meter with 3 separate colored scales. Satin finish aluminum panel. Housed in sturdy gray wrinkle steel case. Size, 8½x5x5". Less solder. 105-125 v., 60 cycle AC. Shpg. wt., 5 lbs.

83 F 184. *$2 Down.* NET **23.95**

MODEL 944. As above, but factory-wired.
84 F 657. *$2 Down.* NET **34.95**

MODEL 584-K BATTERY TESTER KIT

Quickly tests all portable radio "A" and "B" batteries in or out of the receiver. Test switch positions (volts): 1.5, 4.5, 6.0, 7.5, 9.0, 22.5, 45, 67.5, 75, 90, plus a spare position. Employs a 3½" meter. Black bakelite case, aluminum panel. 6¼x3¾x2". Less solder. With leads. Shpg. wt., 2 lbs.

83 F 195. NET...................**9.95**

MODEL 584. As above, but factory-wired.
84 F 671. NET..... ....**12.95**

612-K CONTINUITY TESTER KIT

Battery-operated tube filament continuity tester. Permits filament checking of tubes in an inoperative series string in rapid succession. Neon lamp indicator. CRT adapter plug. Sockets for 9-pin, octal, loctal and 7-pin tubes. Brushed aluminum panel, molded bakelite case. With batteries. 6¼x3¾x 2". Shpg. wt., 1½ lbs.

83 F 966. NET...................**3.95**

MODEL 612. As above, but factory-wired.
83 F 967. NET...................**5.95**

MODEL 1020-K POWER SUPPLY K

Highly stable, fully transistorized DC p and bias supply. Provides a continuo variable output voltage up to 30 v. dual-range voltmeter (0-6, 0-30 VDC). suited for servicing "hybrid" transistor vacuum tube apparatus or all-transi equipment. Maximum continuous ou current capacity: 150 ma from 0-12 v.; ma from 12-24 v.; 300 ma from 24-3 Maximum ripple at full load is only .00 Fuse protects circuit in case of overl but pilot lamp remains lit if fuse does b In gray wrinkle steel case. 5x4x5½". L solder. For 105-125 v., 60 cycle AC. S wt., 4½ lbs.

83 F 968. *Only $2 Down.* NET.....**19.9**

MODEL 1020. As above, but factory-wi
83 F 969. *$2 Down.* NET..........**27.**

MODEL 145A-K SIGNAL TRACER K

For trouble-shooting any radio or TV Quickly checks IF, RF, video and a circuits. Features: built-in speaker, a amplifier with volume control; noise loc circuit. May be used with scope or VT for visual tracing. With probes. Less sol 7$^{13}/_{16}$x5$^{9}/_{16}$"x5$^{1}/_{16}$". For 105-125 v., 60 c AC. Shpg. wt., 7 lbs.

83 F 158. *$2 Down.* NET ....**19.**

MODEL 145. As above, but factory-wired.
84 F 385. *$2 Down.* NET ....**28.**

MODEL 352-K BAR GENERATOR

For adjusting vertical and horizontal li arity. Produces 16 vertical and 12 izontal bars (number of bars is adj able). Video carrier oscillator is tuna over channels 2-6. 3-way antenna clip. L solder. 7½x5x4½". For 105-125 v., cycle AC. Shpg. wt., 4 lbs.

83 F 178. NET....................**14.**

MODEL 352. As above, but factory-wir
84 F 651. *$2 Down.* NET ....**19.**

MODEL 710-K GRID-DIP METER KIT

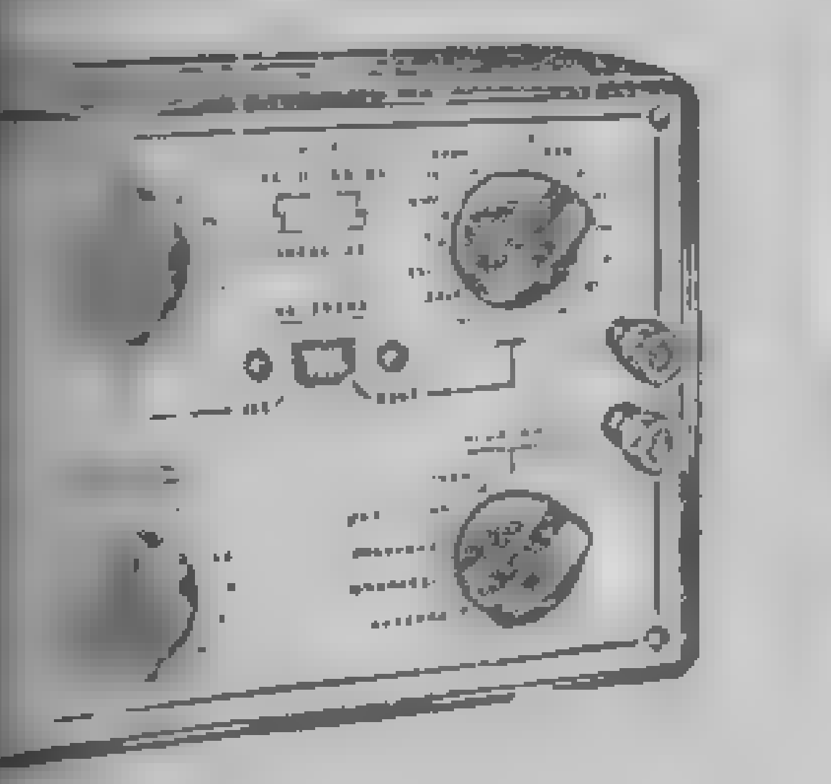
Exceptionally versatile, compact grid- meter. Operates as oscillating detector wavemeter; covers 400 kc to 250 mc i overlapping ranges. Use this rugged de to determine frequencies of other oscillat or tuned circuits; pre-tune and neutr transmitters; adjust antennas, traps, filt peak IF's; etc. Has sensitivity con phone jack to facilitate "zero beat" list ing. Features precision 500 μa meter mo ment, 1.7 planetary drive, color-coded, p in coils, illuminated scale. Brushed alu num panel. Less solder. For operation f 110-120 v., 60 cycle AC. 2¼x2$^{9}/_{16}$x6⅞". Sh wt., 3 lbs.

87 F 352. *$2 Down.* NET ....**29.**

MODEL 710. As above, but factory-wired.
87 F 353. *$2 Down.* NET ....**49.**

Eico and Other Selected Test Equipment

POPULAR EICO TEST EQUIPMENT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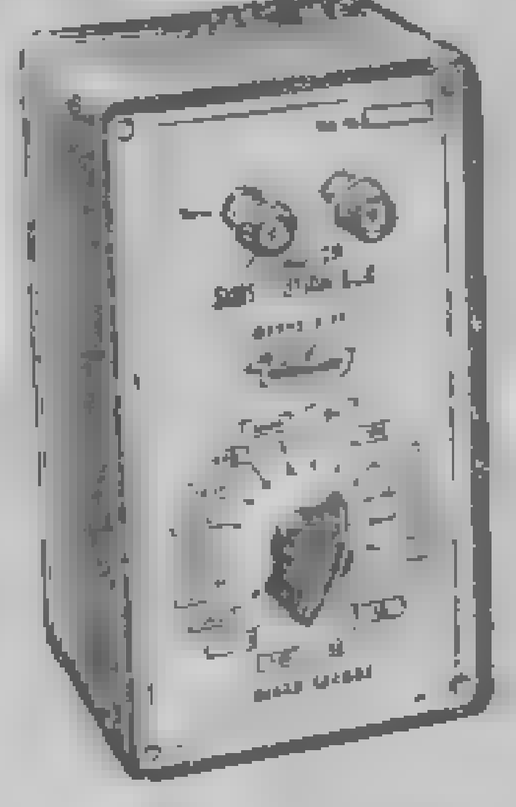
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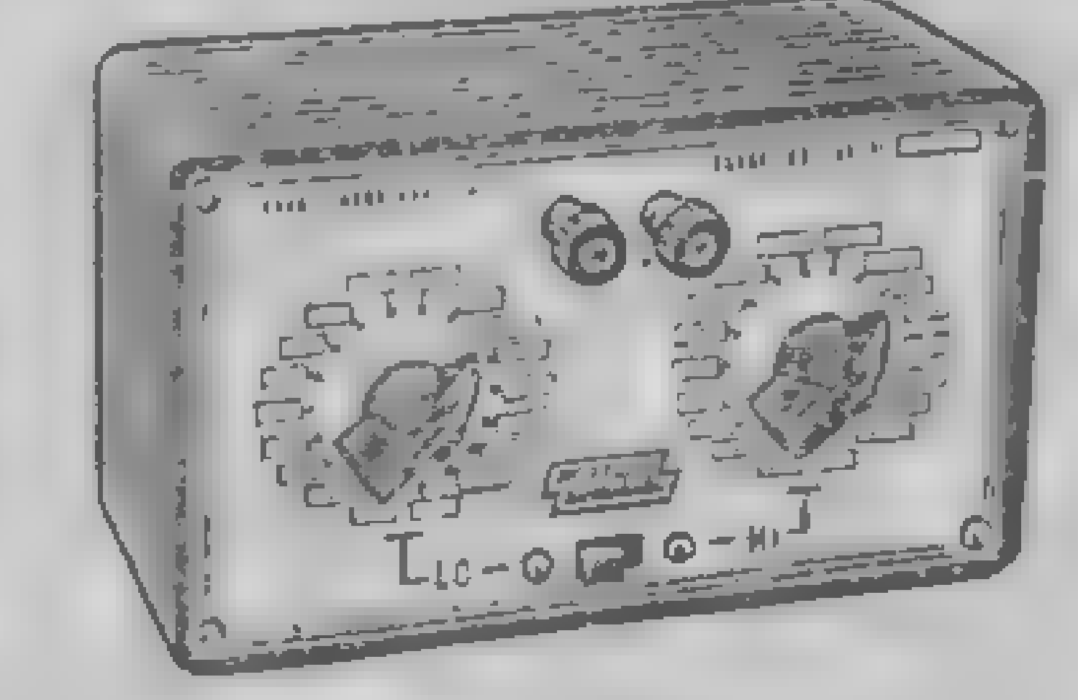
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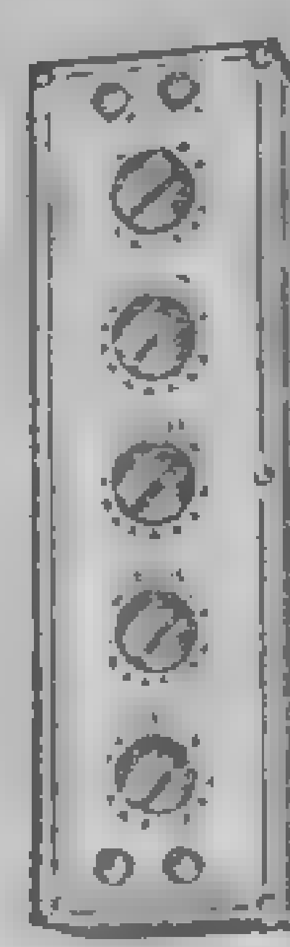
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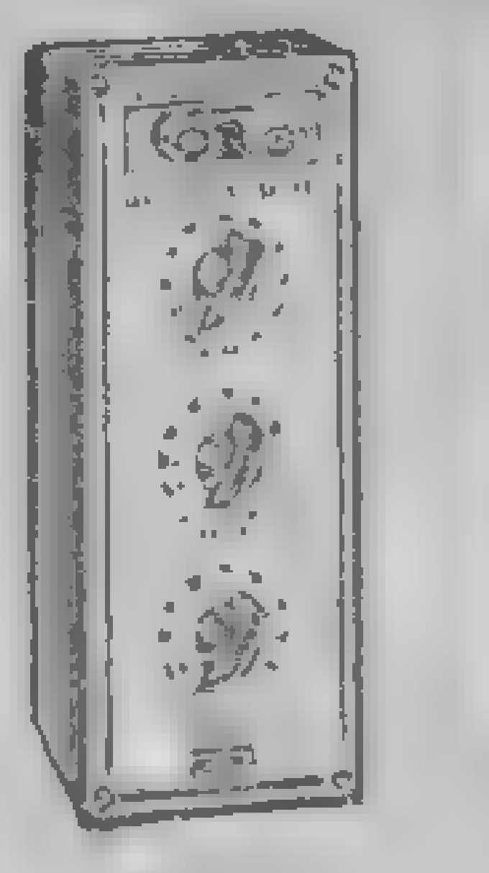
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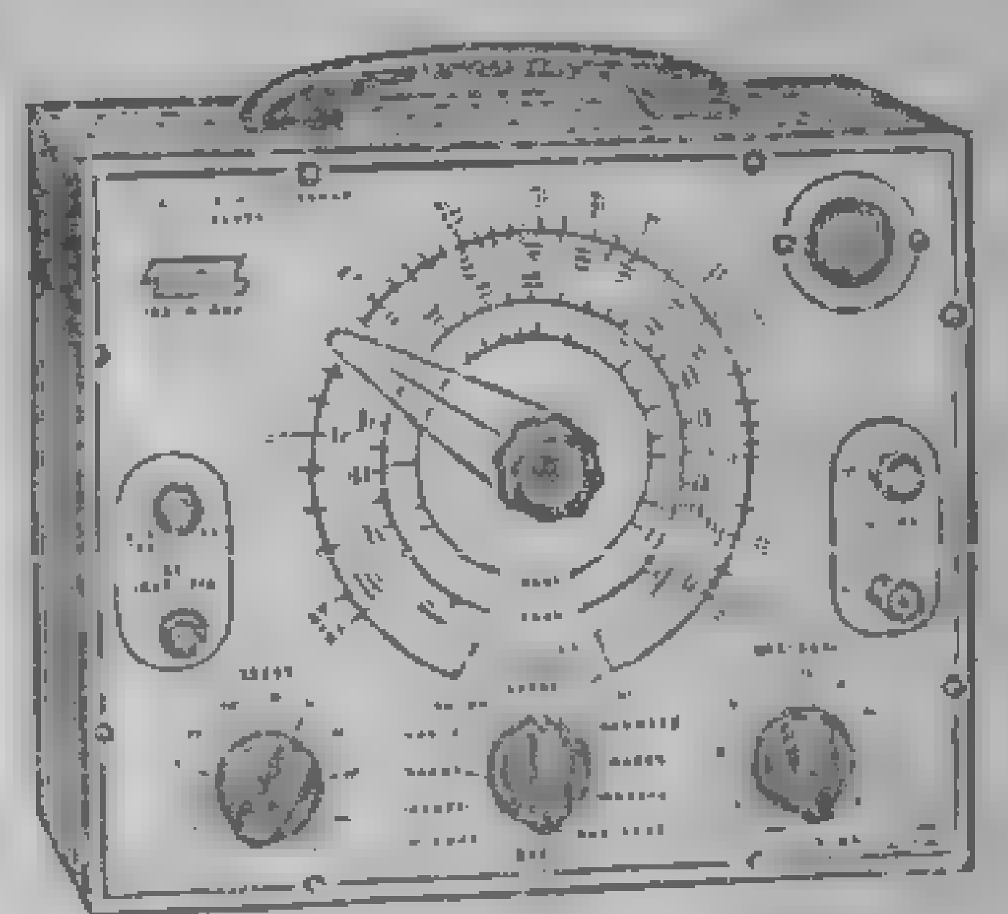

950

ODEL 1140-K RESISTANCE-CAPACITANCE BOX KIT

versatile combination of Models and 1120-K substitution units. evelopment of differentiating, inte- nd other wave-shaping R-C net- See descriptions of the 1100-K and r specifications.) Less solder and ⅛x5⁵⁄₁₆x2⁵⁄₁₆". Wt., 3 lbs.
50. NET....................13.95

1140. As above, but factory-wired.
351. *$2 Down.* NET............19.95

ODEL 1120-K CAPACITOR SUBSTITUTION BOX KIT

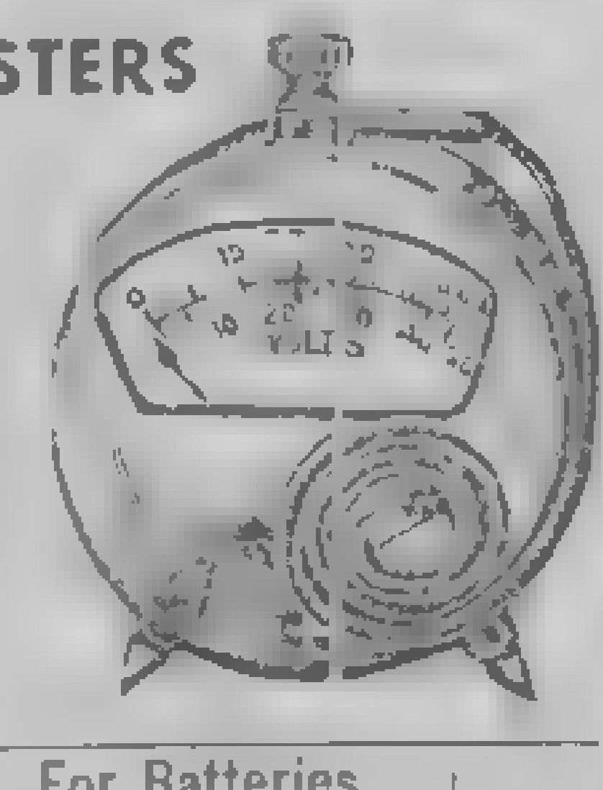
to permit rapid substitution of a ge of EIA capacitances from 0.22 mfd. in 18 steps. ±10% y. Employs both ceramic and mold- citors—most rated 600v., others as 5-way binding posts. 3¾x6½x3½". der and leads. Shpg. wt., 2 lbs.
1. NET...... ... ... 5.95

1120. As above, but factory-wired.
5. NET 9.95

AC VOLTAGE TESTER

AC line-voltage test- ng male plug fits con- l outlets. 90° swivel rmits easier reading gle. Range, 0-150 v. damped movement. y. 5% of full scale. e. 8 oz.
26. NET.......3.38

G BATTERY TESTERS

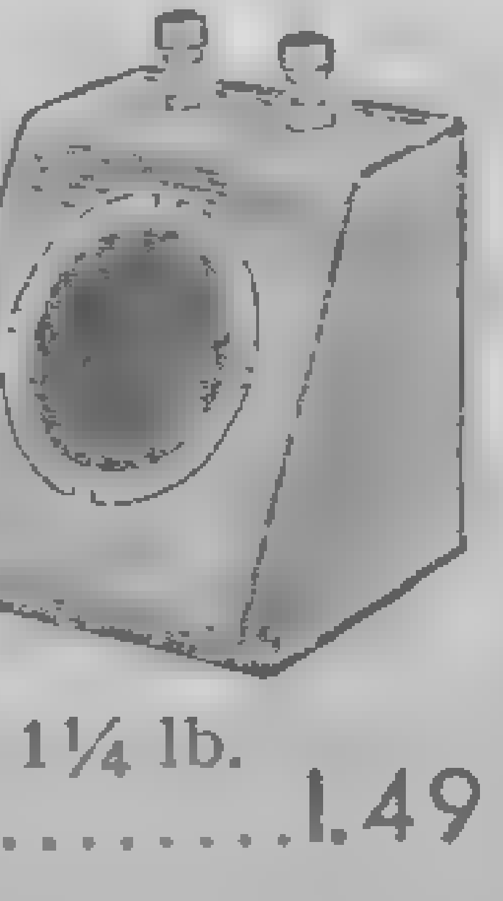


ize battery test- watch-type nickel d cases. Durable te—extremely l for the service Correctly load small . With lead. 2¼" thick. Wt., 6 oz.

	Type	Scales	For Batteries		NET
			"A"	"B"	
24	37A	0-2-50V	1½V	45V	2.35
25	38A	0-2-100V	1½V	90V	2.50
	39A	0-2-150V	1½V	90, 135V	2.50
27	40A	0-10-150V	4½, 6, 7½, 9V	90, 135V	2.65
28	24	0-35A	No. 6 Dry Cells		1.96
29	34C	0-50V	......	45V	2.28
30	45	0-35A, 0-50V	No. 6	45V	2.94

31A—FOR HEARING-AID BATTERIES. 22½, 30 or 45-v. "B" and 1½-v. "A" Scales: 0-50 v., 0-2 v. With plug
031. NET........................2.65

UNIVERSAL METER CASE



with 2" or 3" . Front panel " meter; knock- g enlarges hole a 3" meter. Has e back and bot- attached with 2 . Red multi-pur- nding posts take phone tips, have jack in head. 4" without posts. Wt., 1¼ lb.
506. NET.......................1.49

MODEL 1100-K RESISTANCE SUBSTITUTION BOX KIT

Enables rapid substitution of resistances. Provides all the resistance values that are multiples of ten of 15, 22, 33, 47, 68, and 100 ohms, in the range of 15 ohms to 10 megs. 36 EIA 1-watt 10% resistors. 5-way binding posts. 3¾x6½x3½". Less solder, leads. Shpg. wt., 2 lbs.
83 F 179. NET....................5.95

MODEL 1100. As above, but factory-wired.
84 F 652. NET......................9.95

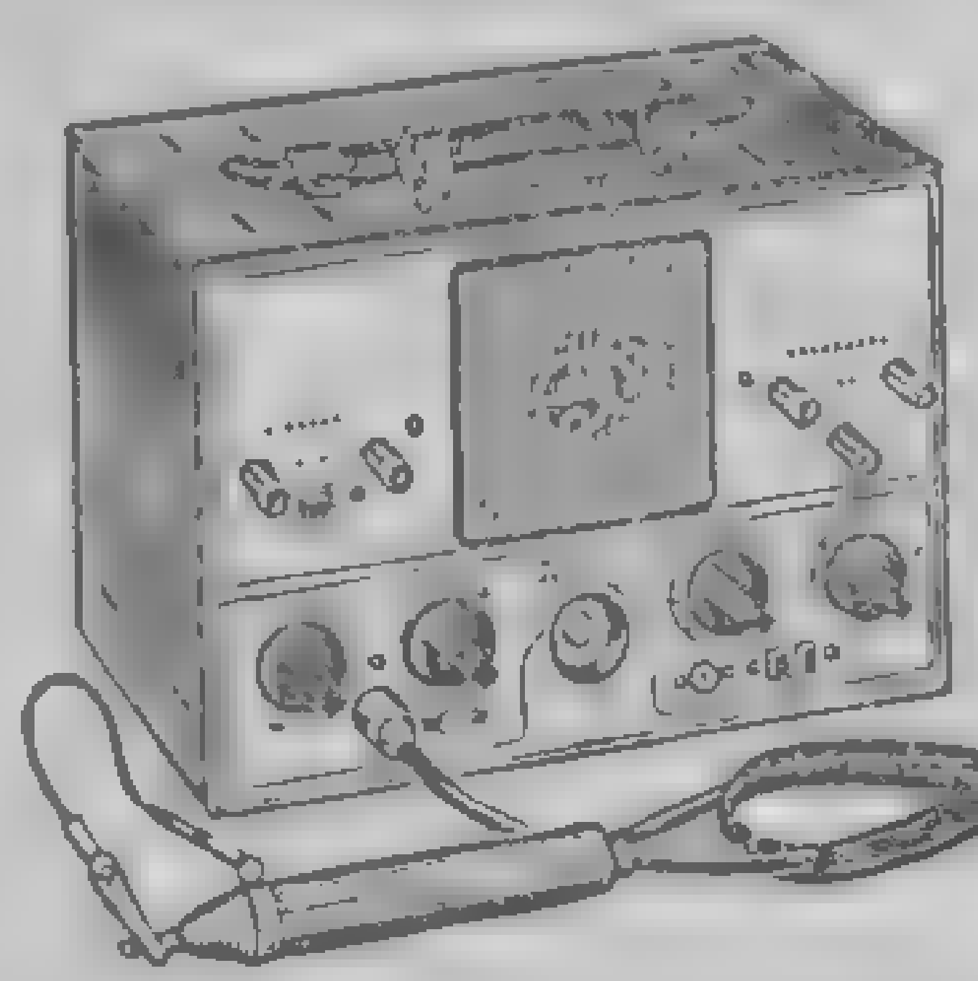
MODEL 1171-K RESISTANCE DECADE BOX KIT

Supplies resistance values from 0 to 99,999 ohms in 1-ohm steps with ½% accuracy. Uses ½% 1-watt resistors. Five 10-position switches. Comparator position and binding posts for instant substitution of actual equivalent component. Steel case, 3½x12x3". Less solder, leads. Wt., 3 lbs.
83 F 165. *$2 Down.* NET...........19.95

MODEL 1171. As above, but factory-wired.
84 F 388. *$2 Down.* NET...........24.95

PRECISION 202 SIGNAL TRACER

- Speeds Radio-TV Servicing
- Checks All Stages
- Built-In Speaker



Aural-visual tracer. 3-stage preamp has cascode circuit with feedback; additional voltage gain of 400 for scope or VTVM; flat, 2 cps to 300 kc to scope output or "Magic Eye." Noise test with applied breakdown voltage. Wattmeter, 25-300 watts. With audio probe, less RF probe. 7½x10½x6½". For operation from 110-120 v., 60-cycle AC. Shpg. wt., 11 lbs.
84 FX 197. *$2 Down.* NET.......36.75

MODEL B 300-MC RF PROBE. 1 lb.
87 F 258. NET.....................7.35

MODEL 950-K RESISTANCE-CAPACITANCE BRIDGE KIT

Combines an R-C bridge and R-C-L comparator. Measures (in 4 ranges) resistors from 0.5 ohm to 500 megs. and capacitors from 10 mmf to 5000 mfd. .05 to 20 comparator range. "Magic eye" null indicator. Continuously variable 0-500 v. DC source for checking capacitors at rated voltage. Tests capacitors for shorts, leakage and, in the case of electrolytics, measures power factor. With parts, instructions. Less solder, leads. 10x8x4¾". For 105-125 v., 60 cycle AC. Shpg. wt., 10 lbs.
83 F 164. *$2 Down.* NET.........19.95

MODEL 950. As above, but factory-wired.
84 F 387. *$2 Down.* NET..........29.95

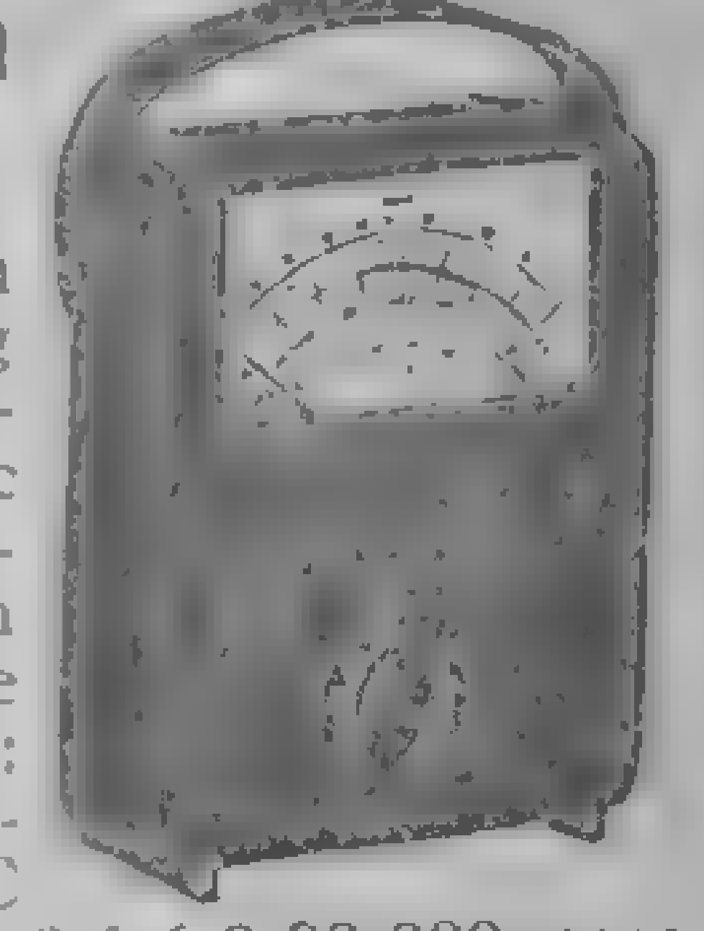
MODEL 1180-K DECADE CAPACITOR BOX KIT

100 mmf to .111 mfd in 100-mmf steps. 350 WVDC. 1% micas. Positive detent ceramic switches. 7 mmf zero. 9x3½x3½". Less solder, leads. Shpg. wt., 3 lbs.
83 F 183. NET....................14.95

MODEL 1180. As above, but factory-wired.
84 F 656. *$2 Down.* NET..........19.95

WESTON 980 MARK II ANALYZER

- Single-Knob Control
- Break-Proof Case



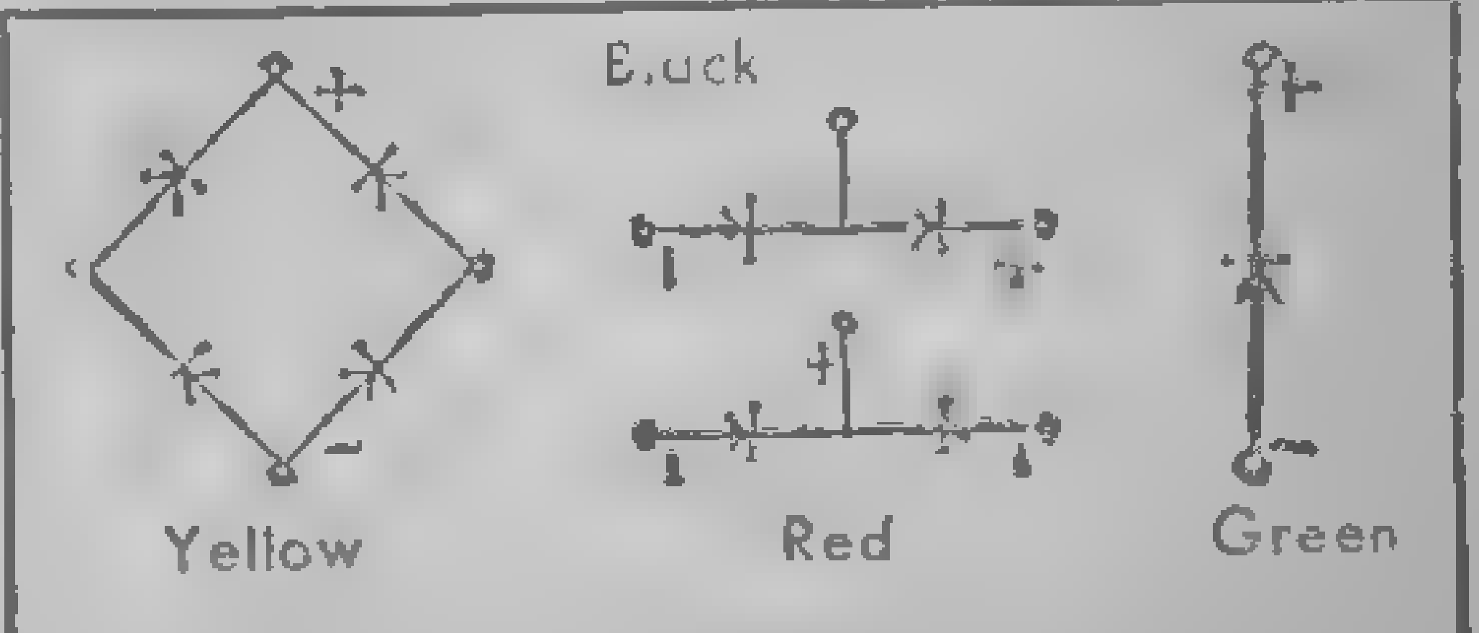
Top-quality, 20,000 ohm per volt VOM featuring single-knob, function-range selector; magnetic and electrostatic shielding. Accuracy is 2% on DC; 3% on AC. Scale length, 4.63". Ranges: DC and AC volts, 0-1.6-8-40-160-400-1600; DC current, 0-80 μa and 0-1.6-8-80-800 ma; resistance, 0-1000-10,000-100,000 ohms and 0-1-10 megs—center scale 25. Reads db from −15 to +54 in 6 ranges. Has fused resistance ranges and transit switch that damps movement. Supplied complete with test leads. Less batteries, case size, 7⁹⁄₁₆x6¼x3". Shpg. wt., 3 lbs.
87 F 427. *$2 Down.* NET.........49.50

MODEL 177-977 COVER AND STAND. Meter cover with 4-way meter stand. For use with above. Shpg. wt., 1 lb.
87 F 428. NET......................5.50

CONANT INSTRUMENT RECTIFIERS

Max. AC input, all units, 5 volts. Series 500: Up to 100 ma max. 60 ma DC forward. Reverse v., 2.25 v. DC. Response, 0-1 mc. Dia., .500", with .166" center hole. .038" thick. Copper oxide with 24K gold contacts. 3" leads. 6-32 Phillips head mtg. screw. Series 160: For up to 10 ma max. 10 ma DC forward. Reverse voltage, 2.25 v. DC. Response, 0-75 mc. Dia., .166"; .038" thick. Copper oxide with 24K gold contacts. 3" leads. 2 holes for No. 2 mtg. screws. Sealed in housing with polystyrene base. Series 160-C: Same as Series 160 except housed in welded brass case. Av. shpg. wt., 5 oz.

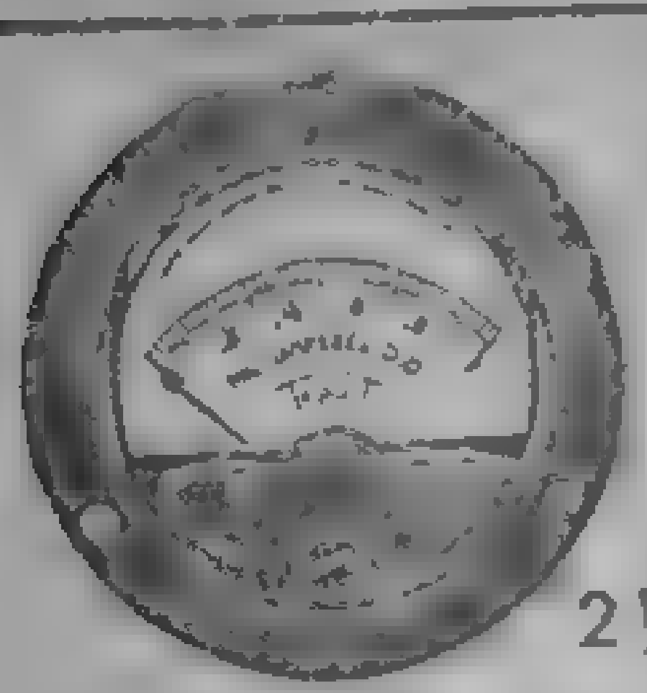
Stock No.	Type	Series	Body Color	No. of Terms.	Av. Output DC MA	NET EACH
68 F 041	M	500	Yellow	4	100	2.06
68 F 043	HS	500	Black	3	50	1.50
68 F 047	T	500	Red	3	50	1.50
68 F 042	H	500	Green	2	50	1.18
68 F 040	B	160	Yellow	4	10	2.06
68 F 044	BHS	160	Black	3	5	1.50
68 F 046	BT	160	Red	3	5	1.50
68 F 037	BH	160	Green	2	5	1.18
68 F 038	B-C	160-C	Yellow	4	10	2.06
68 F 045	BHS-C	160-C	Black	3	5	1.50
68 F 048	BT-C	160-C	Red	3	5	1.50
68 F 049	BH-C	160-C	Green	2	5	1.18



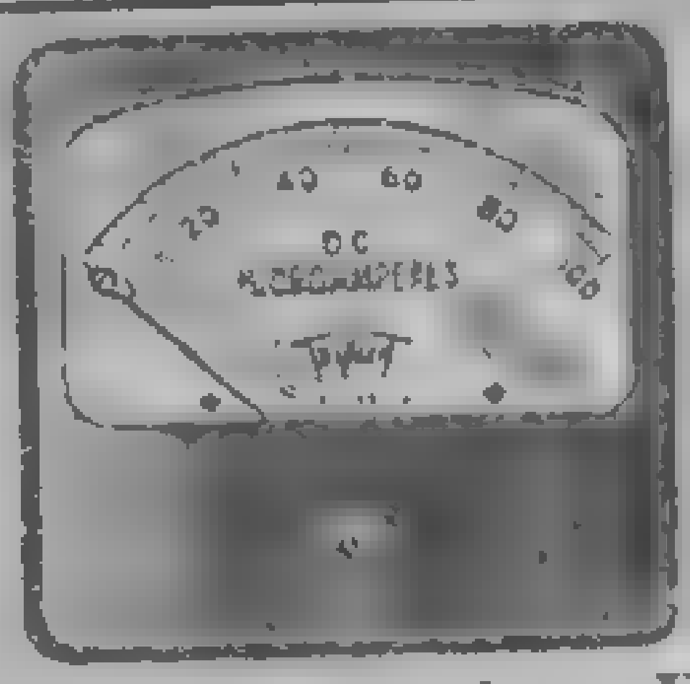
Internal Circuit Diagrams

INSTRUMENT RECTIFIERS. Handbook by H. B. Conant. Graphs, curves, other data.
37 K 170. Postpaid in U.S.A........15c

Triplett Panel Meters



2½", 3½"



4½"

Selection of DC D'Arsonval Type and AC Iron-Vane Type Quality Meters

Accuracy within 2% of full scale. DC meters have D'Arsonval moving coil movements, double all-metal bridges. Jeweled bearings and hardened alloy steel pivots assure highly dependable service. Metal dial faces, finished in white enamel. Have molded zero-adjusters and cushioned ceramic pointer stops. All parts are heat-treated to eliminate strains and stresses. Steel parts are rustproofed. Black bakelite cases. Av. shpg. wt., 1½ lbs. *When ordering, include Range and Model No.* *In table at right, Depth column denotes meter depth behind panel less terminals.

DC MILLIAMMETERS

Range	221T 2½" Rnd.	NET EACH	321T 3½" Rnd.	NET EACH	420 4½" Rect.	NET EACH
0-1	66 F 150	9.90	66 F 100	10.50	66 F 136	11.60
0-1.5	66 F 151		66 F 101		66 F 196	
0-3	66 F 165		66 F 115		66 F 197	
0-5	66 F 152		66 F 102		66 F 137	
0-10	66 F 153		66 F 103		66 F 138	
0-15	66 F 154		66 F 104		66 F 139	
0-25	66 F 155	10.30	66 F 105	10.90	66 F 140	12.00
0-50	66 F 156		66 F 106		66 F 141	
0-75	66 F 166		66 F 116		66 F 198	
0-100	66 F 157		66 F 107		66 F 142	
0-150	66 F 158		66 F 108		66 F 143	
0-200	66 F 159		66 F 109		66 F 144	
0-250	66 F 160		66 F 110		66 F 145	
0-300	66 F 161		66 F 111		66 F 146	
0-400	66 F 167		66 F 117		66 F 199	
0-500	66 F 162		66 F 112		66 F 147	
0-750	66 F 163		66 F 113		66 F 148	
0-1000	66 F 164		66 F 114		66 F 149	

DC VOLTMETERS

1000 OHMS PER VOLT—WITH CARBON, FILM-TYPE RESISTORS

Economical units. For use where high humidity is not encountered. †Have external resistors. *Specify Range and Model No. when ordering.*

Range	221T 2½" Rnd.	NET EACH	321T 3½" Rnd.	NET EACH	420 4½" Rect.	NET EACH
0-10	66 F 903	10.70	66 F 963	11.20	66 F 983	12.30
0-15	66 F 904		66 F 964		66 F 984	
0-25	66 F 905		66 F 965		66 F 985	
0-50	66 F 906		66 F 966		66 F 986	
0-100	66 F 907		66 F 967		66 F 987	
0-150	66 F 908		66 F 968		66 F 988	
0-200	66 F 909		66 F 969		66 F 989	
0-250	66 F 910		66 F 970		66 F 990	
0-500	66 F 911		66 F 971		66 F 991	
0-500	66 F 912†	11.20	66 F 972	11.80	66 F 992	12.90
0-750	66 F 913†		66 F 973		66 F 993	
0-1000	66 F 914†	13.30	66 F 974†	13.90	66 F 994†	15.00
0-2000	66 F 915†		66 F 975†		66 F 995†	
0-3000	66 F 916†		66 F 976†		66 F 996†	
0-4000	66 F 917†		66 F 977†		66 F 997†	
0-5000	66 F 918†		66 F 978†		66 F 998†	

1000 OHMS PER VOLT—WITH WIRE-WOUND MULTIPLIER RESISTORS

Have moisture-resistant, vacuum-sealed, wire-wound resistors. *Specify Range and Model No. when ordering.*

Range	221T 2½" Rnd.	NET EACH	321T 3½" Rnd.	NET EACH	420 4½" Rect.	NET EACH
0-1	66 F 900	10.70	66 F 960	11.20	66 F 980	12.30
0-3	66 F 739		66 F 424		66 F 770	
0-5	66 F 740		66 F 425		66 F 771	
0-10	66 F 741		66 F 420		66 F 435	
0-25	66 F 743	13.10	66 F 427	13.60	66 F 773	14.70
0-50	66 F 744		66 F 428		66 F 774	
0-100	66 F 745	13.60	66 F 429	14.20	66 F 775	15.30
0-150	66 F 746		66 F 421		66 F 436	
0-300	66 F 748	16.60	66 F 422	17.20	66 F 437	18.30

DC AMMETERS

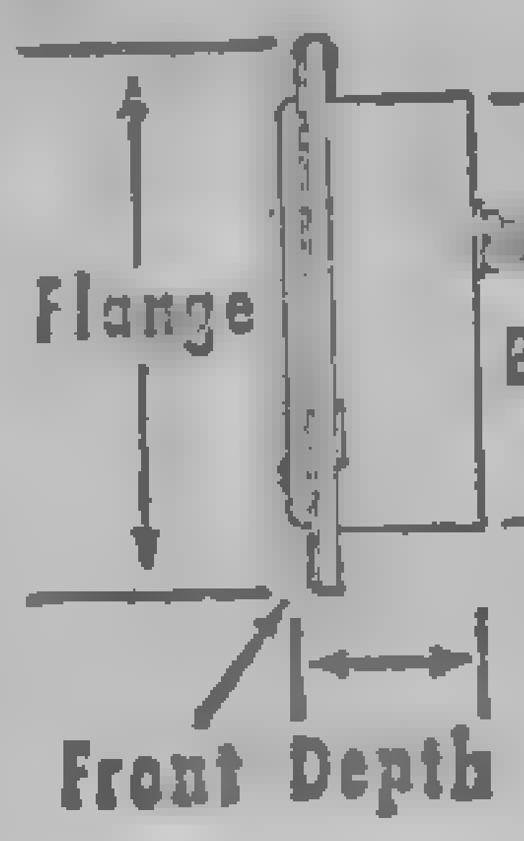
Self-contained up to and including 50 amps. Meters for 100 amps (50 millivolts) and up have switchboard type shunts, 5-ft. leads.

Range	221T 2½" Rnd.	NET EACH	321T 3½" Rnd.	NET EACH	420 4½" Rect.	NET EACH
0-1	66 F 510	9.90	66 F 440	10.50	66 F 460	11.60
0-5	66 F 511	10.70	66 F 441	11.20	66 F 461	12.30
0-10	66 F 512	10.70	66 F 442	11.20	66 F 462	12.30
0-15	66 F 513	10.70	66 F 560	11.20	66 F 465	12.30
0-25	66 F 514	10.70	66 F 443	11.20	66 F 463	12.30
0-30	66 F 515	10.70	66 F 561	11.20	66 F 466	12.30
0-50	66 F 517	10.70	66 F 562	11.20	66 F 467	12.30
0-100	66 F 518	18.40	66 F 563	18.90	66 F 468	20.00
0-200	66 F 519	18.40	66 F 564	18.90	66 F 469	20.00
0-300	66 F 520	19.90	66 F 565	20.40	66 F 458	21.50
0-500	66 F 521	24.80	66 F 566	25.30	66 F 459	26.40

AC AMMETERS

Range	231S 2½" Rnd.	NET EACH	331S 3½" Rnd.	NET EACH	430 4½" Rect.	NET EACH
0-1	66 F 340	9.90	66 F 300	10.50	66 F 330	11.60
0-2	66 F 341		66 F 301		66 F 331	
0-3	66 F 342		66 F 302		66 F 332	
0-5	66 F 343		66 F 303		66 F 333	
0-10	66 F 344		66 F 304		66 F 334	
0-15	66 F 347		66 F 308		66 F 338	
0-25	66 F 345		66 F 305		66 F 335	
0-50	66 F 346		66 F 306		66 F 336	
0-75	......		66 F 307	12.10	66 F 337	13.20

METER DIMENSIONS



ROUND FLUSH MOUNTING

Model No.	Flange	Body Dia.	*Depth
221T	2 11/16"	2 13/64"	1 5/16"
231S	2 11/16"	2 13/64"	1 5/16"
321T	3½"	2¾"	1 5/16"
331S	3½"	2¾"	1 5/16"
361	3½"	2¾"	1 5/16"

RECTANGULAR FLUSH MOUNTING

Model No.	Flange	Body Dia.	*Depth
420	4 5/8 x 4 3/16"	2¾"	2 7/32"
430	4 5/8 x 4 3/16"	2¾"	3 1/32"

AC VOLTMETERS

Use on frequencies from 25 to 133 cycles. †With external wire-series resistors.

Range	231S 2½" Rnd.	NET EACH	331S 3½" Rnd.	NET EACH	430 4½" Rect.
0-3	66 F 259	9.90	66 F 209	10.50	66 F 239
0-5	66 F 250		66 F 200		66 F 230
0-10	66 F 251		66 F 201		66 F 231
0-15	66 F 252		66 F 202		66 F 232
0-25	66 F 253		66 F 203		66 F 233
0-50	66 F 254		66 F 204		66 F 234
0-100	66 F 255		66 F 205		66 F 235
0-150	66 F 256	10.90	66 F 206	11.40	66 F 236
0-250	66 F 260	11.40	66 F 210	12.00	66 F 240
0-300	66 F 257	12.00	66 F 207	12.50	66 F 237
0-500†	66 F 258	15.70	66 F 208	16.30	66 F 238

AC MILLIAMMETERS

Range	231S 2½" Rnd.	NET EACH	331S 3½" Rnd.	NET EACH	430 4½" Rect.
0-10	66 F 570	9.90	66 F 470	10.40	66 F 496
0-15	66 F 571		66 F 471		66 F 446
0-25	66 F 572		66 F 476		66 F 447
0-50	66 F 573		66 F 472		66 F 448
0-100	66 F 574		66 F 473		66 F 497
0-200	66 F 575		66 F 477		66 F 449
0-250	66 F 576		66 F 474		66 F 498
0-500	66 F 577		66 F 475		66 F 499

DC MILLIVOLTMETERS

Range	321T 3½" Rnd.	NET EACH	420 4½" Rect.	NE
0-50	66 F 088	10.50	66 F 098	11.
0-100	66 F 089		66 F 099	

DC MICROAMMETERS

Range	221T 2½" Rnd.	NET EACH	321T 3½" Rnd.	NET EACH	420 4½" Rect.
0-20	66 F 054	17.60	66 F 049	18.20	66 F 065
0-50	66 F 055	14.90	66 F 050	15.40	66 F 066
0-100	66 F 056	13.00	66 F 051	13.50	66 F 067
0-200	66 F 057	11.10	66 F 052	11.70	66 F 068
0-500	66 F 058	10.60	66 F 053	11.10	66 F 069
50-0-50			66 F 084	13.50	66 F 094
100-0-100			66 F 085	11.70	66 F 095

TYPE 361 WATTMETERS

Electrodynamometer-type instrument. Useful as an appliance t
wattmeter, voltmeter or ammeter. Have 2% accuracy for either L
single-phase AC to 133 cps. 3½" diameter flange. Barrel diameter,
depth, 2".

Stock No.	Watts	Volts	Amps	NET EAC
66 F 286	0-150	150	1	24.0
66 F 285	0-300	150	2	
66 F 287	0-750	150	5	

VOLUME UNIT METERS

Highly accurate volume unit meters. Recommended for use in rad
television stations. Designed for use with 600-ohm audio lines.
scale; −20 to +3 volume units. Also have 0-100% scale. Steady
reference, 1 mw. Internal impedance, 3900 ohms. Zero adjus

Type 420. 4½" rectangular. Glass front.
66 F 071. NET........24

Type 420. As above, except illuminated.
66 F 072. NET........27

Type 321-PL. 3½" round. Plastic front.
66 F 897. NET........19

DECIBEL METERS

High-quality decibel meters. For use in shop, laboratory, etc. Acc
within 5%. Range +6 to −10 db. Reference level is 6 milliwatts.
standard decibel meter internal resistance of 5000 ohms. Zero db
1.73 v. Calibrated for use with 500 ohm lines.

Type 420. 4½" rectangular. Plastic front.
66 F 265. NET........1

Type 420. 4½" rectangular. As above, except illuminated.
66 F 266. NET........18

Type 321-PL. 3½" round. Plastic front.
66 F 811. NET........16

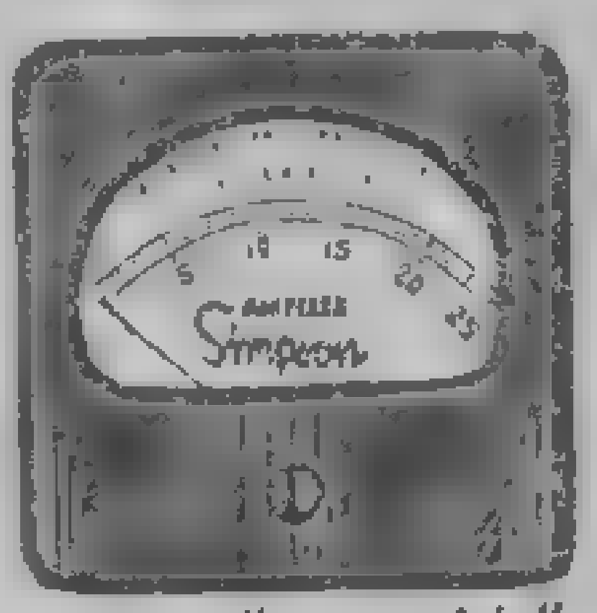
Simpson Panel Meters

METER DIMENSIONS

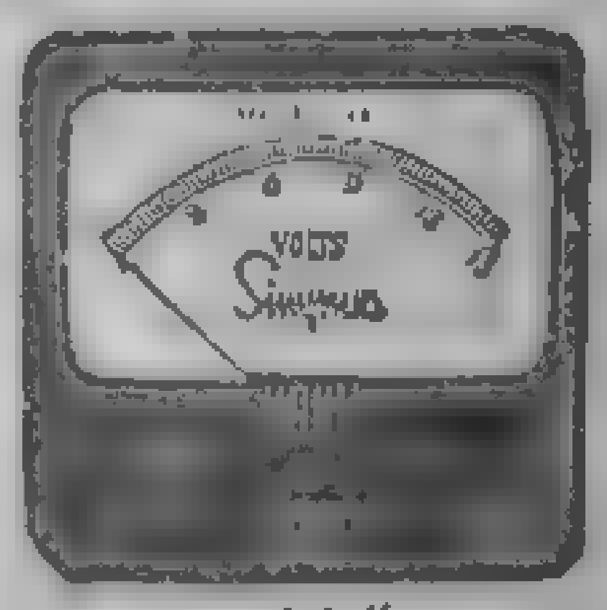
Flange	Body Dia.	Body Depth	Scale Lgth.
3.12x3.00"	2.75"	1.36"	2.56"
4 20x4 66"	2.75"	1.00"	3 91"
3.12x3.00"	2.75"	1.38"	2.56"
4.20x4.66"	2.75"	1.00"	3.91"
3.12x3.00"	2.75"	1.36"	2.56"
4.20x4.66"	2.75"	1.00"	3.91"
3 12x3.00"	2.75"	1.45"	2.56"
4.20x4.66"	2.75"	1.09"	3.91"
4.20x4.66"	2.00"	1.68"	3.91"
2 37x2.37"	2.17"	1.45"	1.88"
2.37x2.37"	2.17"	1.45"	1.88"
3 94x4.25"	3 25"	1.00"	3.50"
2.37x2.37"	2.17"	1.45"	1.88"

RECTANGULAR PANEL METERS

Superior-quality panel meters excellent for use in transmitters, communications and test equipment, Ham gear, etc. AC types have iron-vane movement. DC types have the famous D'Arsonval full-bridge movement. All meters have recessed zero adjust- ments and rectangular cases. Spade-type pointers move through a scale arc of 100°. All have ±2% accuracy, except VU and rectifier-type, ±5%. Pol- ished, shock-mounted jewels. Black bakelite cases. With mtg. hdw., template. AC and DC ammeters over 0-50 supplied less the external shunts (DC) or current transformers (AC) necessary to use meter on the listed range. Write for price and deliv- ery information on these shunts and transformers 1 lb. *Include Range and Model No. on all orders.*



2½" & 3½"
Rectangular
Meter



4½"
Rectangular
Meter

AC MILLIAMMETERS

Model 157 2½" Rect.	NET EACH	Model 57 3½" Rect.	NET EACH	Model 59 4½" Rect.	NET EACH
67 F 022	10.44	67 F 565	11.02	67 F 465	13.23
67 F 023		67 F 566		67 F 466	
67 F 024		67 F 567		67 F 467	
67 F 025		67 F 568		67 F 468	

AC VOLTMETERS

l multiplier resistors are furnished on Model 157, 57 and 59 tmeters having a range of 0-500 volts.

67 F 026	10.58	67 F 558	11.32	67 F 458	12.94
67 F 027		67 F 550		67 F 450	
67 F 028		67 F 559		67 F 459	
67 F 029		67 F 551		67 F 451	
67 F 030	10.58	67 F 552	11.32	67 F 452	12.94
67 F 031	11.02	67 F 560	11.61	67 F 460	
67 F 032	11.02	67 F 553	11.61	67 F 453	
67 F 033	11.76	67 F 555	12.49	67 F 455	13.67
67 F 034	11.76	67 F 561	12.49	67 F 461	13.67
67 F 035	11.76	67 F 556	12.49	67 F 456	13.67
67 F 036	16.17	67 F 557	16.46	67 F 457	17.05

AC AMMETERS

67 F 037	10.44	67 F 575	11.02	67 F 475	13.23
67 F 038		67 F 577		67 F 477	
67 F 039		67 F 578		67 F 478	
67 F 040		67 F 579		67 F 479	
67 F 041	10.44	67 F 582	11.02	67 F 482	13.23
67 F 042	10.73	67 F 580	11.32	67 F 480	13.82
67 F 043	10.73	67 F 581	11.32	67 F 481	13.82
67 F 044	10.44	68 F 810	11.02	68 F 811	13.23

TIFIER-TYPE AC VOLTMETERS—1000 OHMS PER VOLT

Model 47 3½" Rect.	NET EACH	Model 49 4½" Rect.	NET EACH
67 F 569	16.90	67 F 490	18.67
67 F 570		67 F 491	
67 F 571		67 F 492	
67 F 572		67 F 493	
67 F 573	16.90	67 F 494	18.67
67 F 583		67 F 496	
67 F 584		67 F 497	

VU METERS

e level indicators for power amplifiers and broadcast equipment. level both in VU and percentage modulation. D'Arsonval move- Highly damped. VU scale A, −20 to +3. 3900-ohm internal im- ce across 600-ohm lines (zero reference, 1 milliwatt). *Illuminated 2⅝" deep). Av. shpg. wt., 1¼ lbs.

ck No.	Model	NET EACH	Stock No.	Model	NET EACH
F 597	47	21.02	67 F 599	142*	25.28
F 598	142	22.78	....	....	....

MODEL 27 DC GALVANOMETERS

le accurate indication of magnitude of small currents (in micro- . Dimensions are listed in table at top of this page.

tock No.	Scale	Micro-amps	Resistance	Shpg. Wt.	NET EACH
F 591	50-0-50	500-0-500	46 ohms	1 lb.	12.05
F 592	50-0-50	75-0-75	2000 ohms	1 lb.	13.82

MODEL 57ET ELAPSED TIME METERS

-Volt Type. Excellent for keeping life and rmance records based on operating time. ates when scheduled maintenance and proof- ormance shut-downs are due. For panel nting. Has self-starting synchronous clock r. Counter indicates up to 9999.9 hours, automatically recycles back to 0. Matches on standard 3½" meters in appearance. ge size, 3⅛x3"; body dia., 2¾"; body depth, ". For operation from 120 volts, 60 cycle Shpg. wt., 2 lbs.
F 146. NET........................17.59

-Volt Type. As above, but for 240 volts, 60 cycle AC.
F 147. NET..17.88

MODEL 79 WATTMETERS

-contained, dynamometer-type. Movement employs sapphire jewels is air damped. Measure DC and single-phase AC power to 250 cps. ensions are listed at top of page. Shpg. wt., 1 lb.

Stock No.	Range—Watts	Max. Amps	Max. Volts	NET EACH
3 F 812	0-75	1.0	150	32.34
3 F 813	0 300	4 0	150	32.34
3 F 814	0-1500	10 0	300	34.84
3 F 815	0 3000	20 0	300	34.84

DC MILLIAMMETERS

Range	Model 127 2½" Rect.	NET EACH	Model 27 3½" Rect.	NET EACH	Model 29 4½" Rect.	NET EACH
0-1	68 F 817	11.02	67 F 520	11.61	67 F 420	12.79
0-1.5	68 F 819		67 F 045		67 F 449	
0-3	68 F 821		68 F 800		68 F 801	
0-5	68 F 823		67 F 521		67 F 421	
0 10	68 F 825		67 F 522		67 F 422	
0-15	68 F 827		67 F 530		67 F 430	
0-25	68 F 829	11.76	67 F 523	12.20	67 F 423	13.67
0-50	68 F 831		67 F 524		67 F 424	
0-75	68 F 956		67 F 531		67 F 431	
0-100	68 F 833		67 F 525		67 F 425	
0 150	68 F 835		67 F 532		67 F 432	
0 200	68 F 957	11.76	67 F 526	12.20	67 F 426	13.67
0-250	68 F 958		67 F 533		67 F 433	
0-300	68 F 837		67 F 527		67 F 427	
0 500	68 F 839		67 F 528		67 F 428	
0-1000	68 F 959		67 F 529		67 F 429	

DC VOLTMETERS

Approximate resistance: 30 to 300 v. units are 1000 ohms per volt; 500 to 5000-v. units are 2000 ohms per volt External multiplier resistors are furnished on Model 127 2½", Model 27 3½" and Model 29 4½" DC voltmeters having a range of 1000 volts or more. Dimensions and scale lengths are listed in table at top of page.

0-3	68 F 841	11.91	67 F 515	12.35	67 F 415	13.67
0 5	68 F 843		67 F 516		67 F 416	
0 8	68 F 960		67 F 500		67 F 401	
0 10	68 F 845		67 F 501		67 F 402	
0-15	68 F 847	11.91	67 F 502	12.35	67 F 403	13.67
0 25	68 F 849		67 F 517		67 F 417	
0 50	68 F 851		67 F 518		67 F 418	
0 100	68 F 853		67 F 507		67 F 405	
0 150	68 F 855	11.91	67 F 504	12.35	67 F 406	13.67
0 200	....	....	67 F 519		67 F 419	
0-250	68 F 857	11.91	67 F 505		67 F 407	
0-300	68 F 859	11.91	67 F 508		67 F 408	
0 500	68 F 861	12.64	67 F 509	12.94	67 F 409	14.11
0-1000	68 F 863	15.73	67 F 510	16.32	67 F 410	17.95
0-1500	....	....	67 F 514	16.61	67 F 411	18.23
0-2000	....	....	67 F 511	16.90	67 F 412	18.52
0-3000	....	....	67 F 512	17.49	67 F 413	19.11
0-5000	....	....	67 F 513	18.08	67 F 414	19.70

DC AMMETERS

0-1	68 F 865	11.76	67 F 535	12.20	67 F 435	13.52
0-2	68 F 867		67 F 536		67 F 436	
0-3	68 F 869		67 F 537		67 F 437	
0-5	68 F 871		67 F 538		67 F 438	
0 10	68 F 873	11.76	67 F 539	12.20	67 F 439	13.52
0-15	68 F 875		67 F 046		67 F 047	
0-25	68 F 877		67 F 540		67 F 440	
0-50	68 F 879		67 F 542		67 F 442	
0-75	68 F 961	11.32	68 F 802	11.76	68 F 805	13.23
0-100	68 F 881		68 F 803		68 F 806	
0-150	68 F 962		68 F 804		68 F 807	
0-200	68 F 883		68 F 963		68 F 964	

DC MICROAMMETERS

Range	Model 27 3½" Rect.	NET EACH	Model 29 4½" Rect.	NET EACH
0-15	68 F 808	21.61	68 F 809	23.67
0-25	67 F 544	19.26	67 F 444	21.31
0-50	67 F 545	16.32	67 F 445	17.64
0-100	67 F 546	14.26	67 F 446	16.02
0-200	67 F 547	12.79	67 F 447	14.26
0-500	67 F 548	12.20	67 F 448	13.67
25-0-25	67 F 684	16.45	67 F 691	17.79
50-0-50	67 F 685	14.41	67 F 692	16.27
100-0-100	67 F 686	12.94	67 F 693	14.55
500-0-500	67 F 687	11.76	67 F 694	12.94

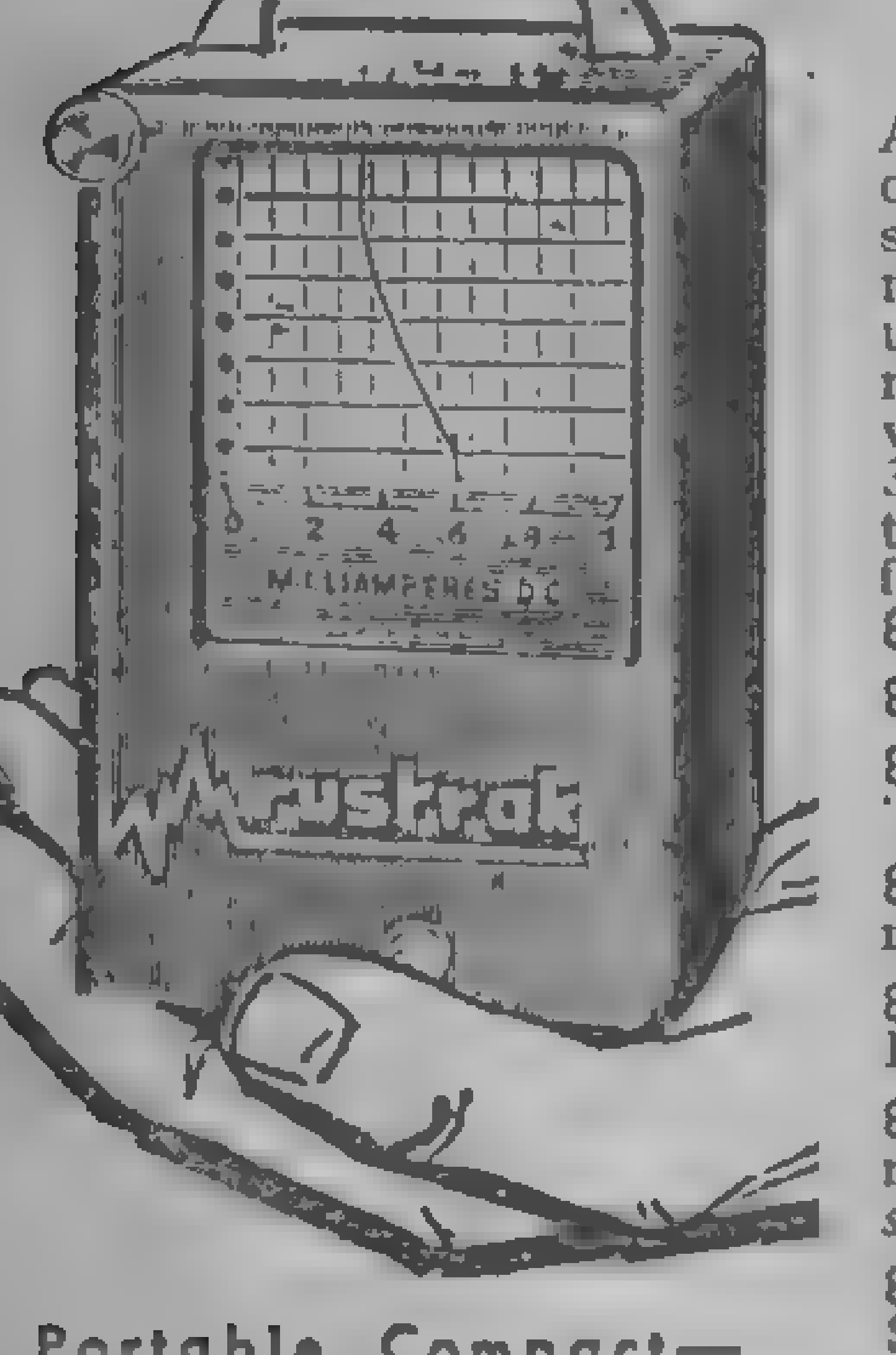
RF AMMETERS (INTERNAL THERMOCOUPLE TYPE)

For measuring RF currents of commercial and Ham transmitters. Frequency range, 10 cps to 40 mc. Impedance varies from .205 ohms (0-1 scale) to .039 ohms (0-5 scale). Dimensions are at top of page.

Range	Model 37 3½" Rect.	NET EACH	Model 39 4½" Rect.	NET EACH
0-1	67 F 585	13.82	67 F 485	16.02
0-1.5	67 F 586		67 F 486	
0-2	67 F 587		67 F 487	
0 3	67 F 588		67 F 488	
0-5	67 F 589		67 F 489	

Selected Meters and Accessories

NEW! RUSTRAK MINIATURIZED CHART RECORDER


Portable, Compact—
Fits in Your Hand!

- Automatic; No Manpower Required for Periodic Checks
- Free Swinging Pointer for Maximum Accuracy
- Up to 31 Days of Recording on One Chart

A professional chart recorder at an unusually low price. Provides continuous record of current, line voltage, receiver drift, field strength, weather information, etc. Records current from 0-1 milliamperes DC, every 2 seconds, at 1" per hour. May also be used with VTVM circuit for voltage recording. Up to 31 days of recording on one chart. Accuracy, 2% of full scale. Rated at 750 volts maximum. Meter internal resistance, 100 ohms. Size, 5⅜x3⅝x4⅛". With one 63-ft. chart (Style A, 50 divisions) and detachable portable connector. Synchronous motor operates from 115 v., 60 cycle AC. Shpg. wt. 5 lbs.
87 F 491. *$5 Down.* **NET**..........................79.50

87 F 490. 0-100 DC Ma Type. Similar to above. **NET 84.00**

87 F 493. Access Window Type. 0-1 DC ma recorder with "flip-open" window for chart notation. 5 lbs. **NET**......84.50

87 F 494. 0.5-0-0.5 DC Ma Recorder. With chart and connector. Shpg wt., 5 lbs. **NET**..........................84.50

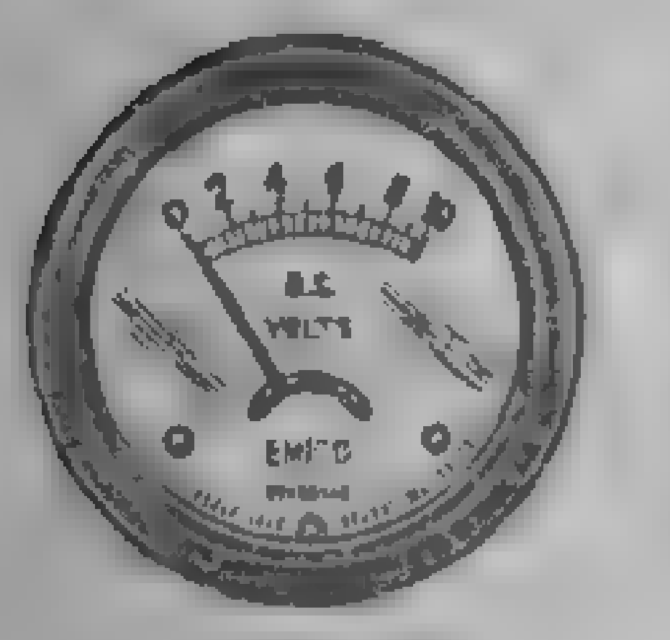
87 F 495. 0-150 Volts AC Recorder. With chart, connector. Response to 500 cps. 5 lbs. **NET**.................... 89.95

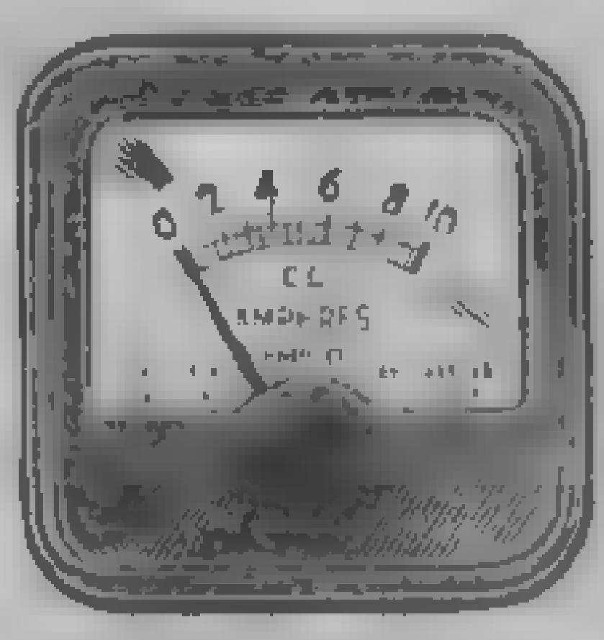
87 FF 497. Interchangeable Gear Train Units. For above recorders. Speeds: 1, 2, 3, 6, 10, 15, 30 inches per hour. *Specify speed when ordering.* Shpg. wt., 3 oz. **NET**..............5.00

87 F 498. Style A Chart Paper (50 divisions). 63-ft. roll. Shpg. wt., 4 oz. **NET**..................................2.25

87 F 499. Style B Chart Paper (75 divisions). 63 ft roll. For scale readings divisible by three. Shpg. wt., 4 oz. **NET**...2.25

EMICO PANEL METERS


NF-2C


RF-2C

Rugged, reliable panel meters housed in black enamel steel cases. Designed for satisfactory performance under severe conditions. DC types have "Hi-Tork" magnetic movements; AC meters are of the moving-iron type. Have screw terminal binding posts and lugs for soldered connections. Accurate to well within 5%. Case-calibrated—accuracy unaffected by magnetic panels. Model NF-2C (round): flange, 2¼"; overall depth, 1¼". Model RF-2C (square): flange, 2¼"; overall depth, 1³⁄₁₆". With mounting bracket. Both models fit in 2¹⁄₁₆"-dia. hole. Av. shpg. wt., 9 oz.

DC MILLIAMMETERS

	Model NF-2C		Model RF-2C	
Range	Stock No.	EACH	Stock No.	EACH
0-1	67 F 609	3.63	67 F 614	3.67
0 5	68 F 970	2.30	68 F 971	2.35
0-10	67 F 600	2.16	67 F 615	2.20
0-20	67 F 601	1.86	67 F 616	1.96
0-30	67 F 602		67 F 617	
0-50	67 F 603		67 F 618	
0-100	67 F 604		67 F 619	
0-150	67 F 605	1.86	67 F 620	1.96
0-200	67 F 606		67 F 621	
0-300	67 F 607		67 F 622	
0-500	67 F 608		67 F 623	

DC AMMETERS

0-1	68 F 972	1.86	68 F 973	1.96
0 5	68 F 974		68 F 975	
0-10	67 F 650		67 F 656	
0 25	68 F 976		68 F 977	
3-0-3	67 F 651		67 F 657	
20-0 20	67 F 652		67 F 658	
30-0-30	67 F 653		67 F 659	

AC VOLTMETERS

	Model NF-2C		Model RF-2C	
Range	Stock No.	EACH	Stock No.	EACH
0-15	67 F 665	2.99	67 F 670	3.09
0 50	68 F 978	2.99	68 F 979	3.09
0-150	67 F 666	3.53	67 F 671	3.63
0-300	67 F 667	4.12	67 F 672	4.16

DC VOLTMETERS

0-3	67 F 630	1.86	67 F 635	1.96
3 0 3	67 F 631		67 F 636	
0 10	67 F 632		67 F 637	
0 30	68 F 980		68 F 981	
0 50	68 F 982		68 F 983	

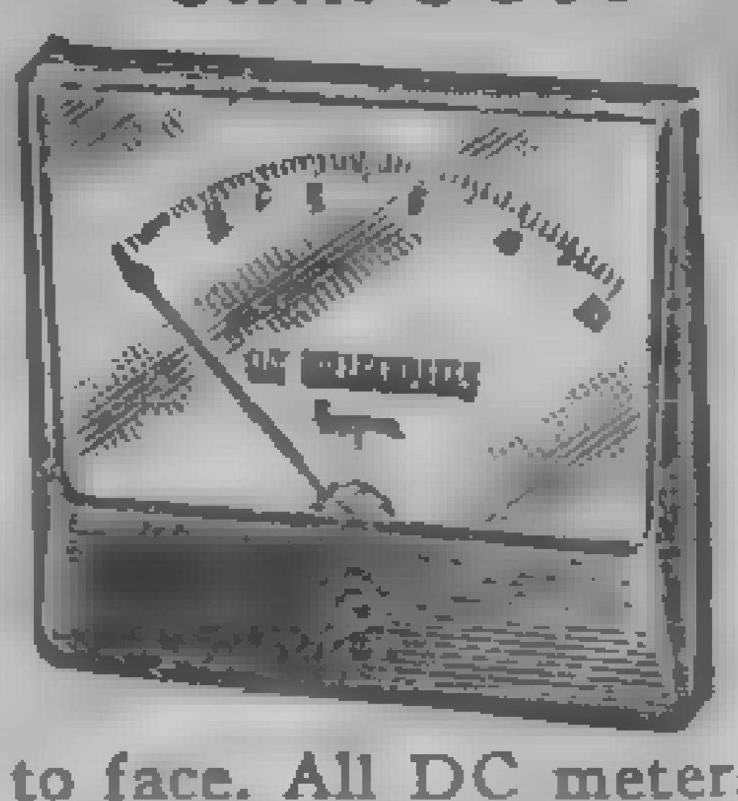
AC AMMETERS

0-1	68 F 984	2.99	68 F 985	3.09
0 5	67 F 646		67 F 648	
0-10	67 F 647		67 F 649	

AC MILLIAMMETERS

0-500	67 F 640	2.99	67 F 643	3.09

SIMPSON "WIDE-VUE" PANEL METE



- Modern Styli
- Longer Scales

Feature longer s than conven meters for wide readability and ble plastic cover maximum prote to face. All DC meters except 0-25, 0-5 microammeters have "self-shielded" core net meter movement—unaffected by stee els or proximity to magnetic fields. 0-25 DC microammeters have external-m movement; AC meters have moving movement. Both types calibrated for magnetic panels 3½" meters have 3⁹⁄₆₄" 4½" meters have 3¹⁵⁄₁₆" scale. Polishe shock-mounted jewels. Size of 3½" n 3¼" square flange; body diameter, 2⁴⁷⁄₆₄" depth, 1¹⁵⁄₆₄". Size of 4½" meters: fla high, 4¹¹⁄₁₆" wide; body diameter, 2¾": depth, 1¹³⁄₆₄". Accuracy ± 2%. With mo hardware and template. Av. shpg. wt.,

DC VOLTMETERS

Model 1327C—3½"			Model 1329C—4	
Stock No.	EACH	Range	Stock No.	E
68 F 149	13.52	0-10	68 F 157	14
68 F 150		0-15	68 F 158	
68 F 151		0-50	68 F 159	
68 F 152	13.52	0-100	68 F 160	14
68 F 153		0-150	68 F 161	
67 F 660		0-250	67 F 661	
68 F 155		0-300	68 F 163	

DC MILLIAMMETERS

68 F 181	12.79	0-1	68 F 186	13
67 F 662		0-3	67 F 663	
68 F 182		0-10	68 F 187	
68 F 183	13.08	0-50	68 F 188	14
68 F 184		0-100	68 F 189	
68 F 185		0-150	68 F 190	
67 F 668		0-1000	67 F 669	

DC AMMETERS

68 F 165	12.94	0-1	68 F 173	14
68 F 166		0-5	68 F 174	
68 F 168		0-10	68 F 176	
68 F 170		0-15	68 F 178	
68 F 171		0-25	68 F 179	

DC MICROAMMETERS

68 F 191	19.26	0-25	68 F 195	2
68 F 192	16.32	0-50	68 F 196	17
68 F 193	14.85	0-100	68 F 197	1
67 F 673	16.46	25-0-25	67 F 674	17
68 F 194	14.99	50-0-50	68 F 198	16

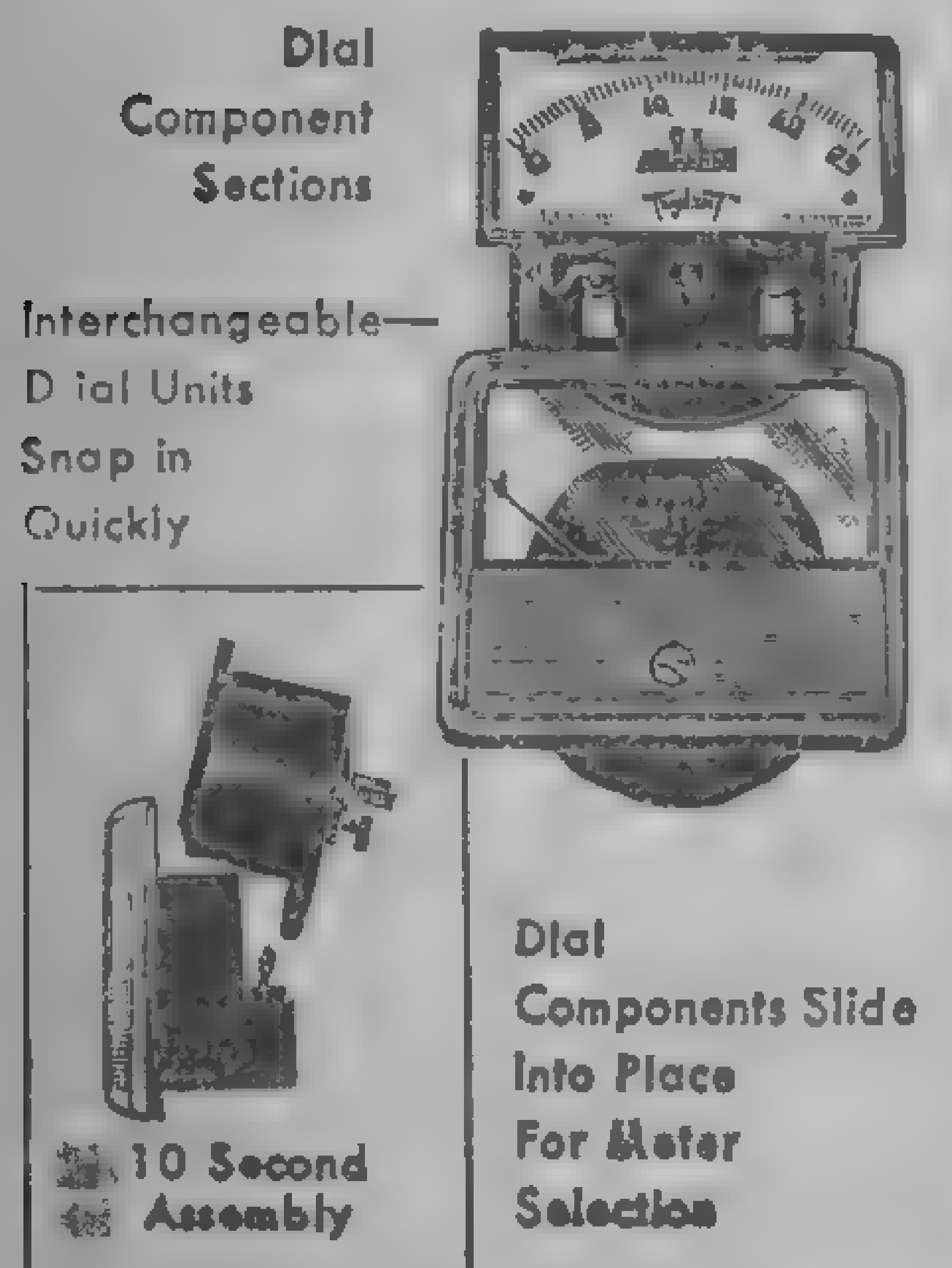
AC VOLTMETERS

Model 1357 3½"			Model 1359 4	
Stock No.	NET EA.	Range	Stock No.	NET
68 F 154	13.23	0-150	68 F 162	1
68 F 156	13.23	0-300	68 F 164	1

AC AMMETERS

68 F 167	11.76	0-5	68 F 175	1
68 F 169	11.76	0-10	68 F 177	1
68 F 172	12.20	0-50	68 F 180	1

TRIPLETT UNIMETERS—WITH INTERCHANGEABLE RANGES



Precision meters for demonstration and easy visibility. Valuable for research laboratories, schools, industrial stockrooms, experimenter's workshops, electrical hobbyists, electricians. Only one meter movement plus choice of interchangeable face plates covers a wide variety of meter ranges. Big meter selection at low cost—two basic movements for all ranges. Have a complete line of DC voltmeters, multivoltmeters, microammeters, milliammeters, ammeters, rectifier types for AC volts. Basic movement and dial component sections are individually calibrated to 1%.

BASIC MOVEMENTS

0-1 DC MA BASIC MOVEMENT. Top-quality, D'Arsonval movement, self-shielded and dustproof. Can be used without special calibration on either magnetic or non-magnetic panels.

0-50 DC μA BASIC MOVEMENT. Extremely sensitive movement. Similar to above but designed for use with *micro-range Dial Components (right). No soldering or wiring required.

Av. shpg. wt., 1½ lbs.

Stock No.	Model	Size	Movement	NET
87 F 336	327U	3"	0-1 DC ma	11.00
87 F 436	420U	4"	0-1 DC ma	12.00
87 F 341	327U	3"	0-50 DC μa	15.90
87 F 441	420U	4"	0-50 DC μa	17.00

MODEL 234 METER STAND

For laboratory or test bench. Holds panel and unimeters at correct reading angle. Size: 4¾x6" base. Shpg. wt., 1½ lbs.
87 F 443. NET......................3.00

DIAL COMPONENT UNITS

Expertly-designed voltmeter and ammeter r Slide easily into basic movements (left). A turn of the self contained locking screw ass meter—in just 10 seconds. Instant conversi exact range wanted. For use with 0-1 DC ma Movement except *for 0 50 DC μa move Shpg. wt., 2 oz. **When ordering, specify m range, size and Stock No.**

RANGES

0-1 DC MA
0-5 DC MA
0-10 DC MA
0-15 DC MA
0-25 DC MA
0-50 DC MA
0-100 DC MA
0-150 DC MA
0-200 DC MA
0-250 DC MA
0-300 DC MA

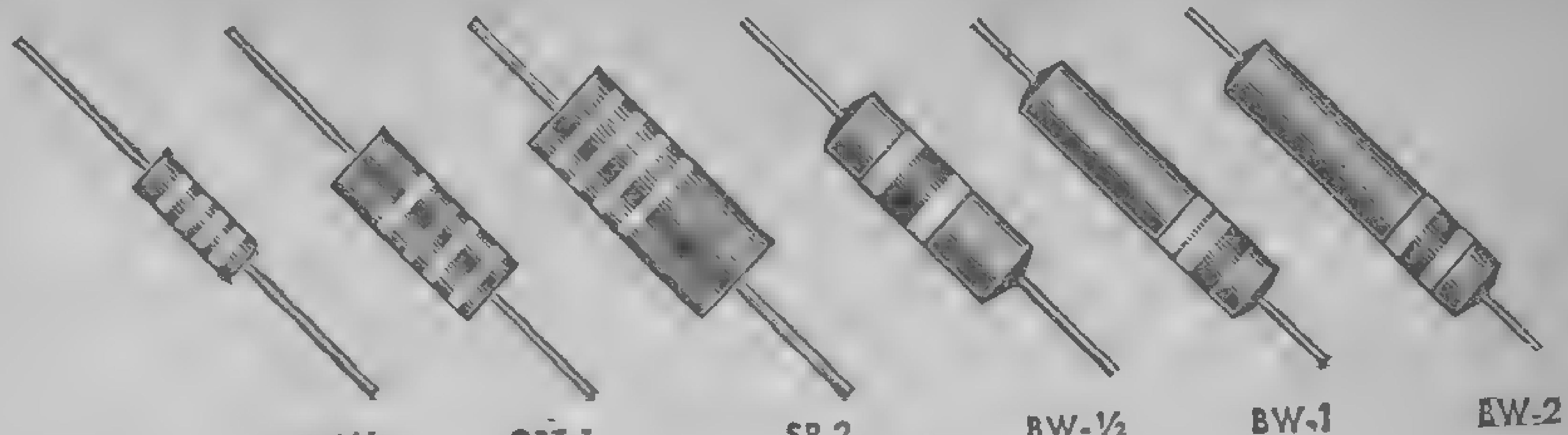
0-500 DC MA
0-10 DC Volts
0-25 DC Volts
0-50 DC Volts
0-150 DC Volts
0-300 DC Volts
0-500 DC Volts
0-1 DC Ammeter
0-5 DC Ammeter
0-10 DC Ammeter
0-15 DC Ammeter

0-25 DC Am
0-50 DC Ar
0-10 AC Vol
0-150 AC Vol
0-300 AC Vol
0-50 DC μa*
0-100 DC μa*
0-200 DC μa*
0-500 DC μa*
....

3½" Stock No.	Values	4½" Stock No.	Values
87 FF 337	0-1—0-500 DC ma	87 FF 437	0-1—0-500 DC
87 FF 338	0-10—0-500 DC v.	87 FF 438	0-10—0-500 DC
87 FF 339	0-1—0-50 DC amps	87 FF 439	0-1—0-50 DC
87 FF 340	0-10—0-300 AC v.	87 FF 440	0-10—0-300 A
87 FF 342	0-50—0-500 DC μa*	87 FF 442	0-50—0-500

NET EACH..............................2

andy Resistor Color Code uide—FREE with the purase of 20 or more resistors.
Specify Stock No. 2M770.



GBT, SR AND BW 10% INSULATED TYPES

SR and GBT Fixed Composition. Exceed MIL-R-11 ications. Withstand 50-100% overloads for short iods. EIA (RETMA) coded. Sizes: GBT—½, 25/64x GBT-1, 9/16x7/32″; SR, 11/16x5/16″. Figure after hyphen ype No. indicates wattage rating.

Type BW Fixed Wire-Wound (Low Power). Withstand 50% to 100% overloads with little or no resistance change. Have standard EIA (RETMA) color coding. Sizes: BW-½, 5/8x3/16″; BW-1, 1¼x¼″; BW-2, 1¾x 21/64″. Figure in Type No. indicates wattage rating.

10% EIA (RETMA) VALUES—SPECIFY RESISTANCE WANTED

ms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
27	1.2	5.6	27	120	560	2700	12,000	56,000	0.27 meg	1.2 meg	5.6 meg
33	1.5	6.8	33	150	680	3300	15,000	68,000	0.33 meg	1.5 meg	6.8 meg
39	1.8	8.2	39	180	820	3900	18,000	82,000	0.39 meg	1.8 meg	8.2 meg
47	2.2	10	47	220	1000	4700	22,000	0.1 meg	0.47 meg	2.2 meg	10 meg
56	2.7	12	56	270	1200	5600	27,000	0.12 meg	0.56 meg	2.7 meg	12 meg
68	3.3	15	68	330	1500	6800	33,000	0.15 meg	0.68 meg	3.3 meg	15 meg
82	3.9	18	82	390	1800	8200	39,000	0.18 meg	0.82 meg	3.9 meg	18 meg
0	4.7	22	100	470	2200	10,000	47,000	0.22 meg	1.0 meg	4.7 meg	22 meg

TYPE GBT, SR 10% FIXED COMPOSITION

ock No.	Mfr's Type	MIL Equiv.	Values	NET EACH 1-9	NET EACH 10-99
M 000	GBT-½	RC20	10 Ω to 22 megs	12c	9c
M 020	GBT-1	RC32	10 Ω to 22 megs	18c	11c
M 070	SR-2	RC42	10 Ω to 22 megs	24c	19c

TYPE BW 10% FIXED WIRE-WOUND (Low Power)

Stock No.	Mfr's Type	MIL Equiv.	Values (See Chart Above)	NET EACH 1-9	NET EACH 10-99
1 MM 061	BW-½	RU-3	0.27 to 8.2 Ω	24c	19c
1 MM 060	BW-½	RU-3	10 to 820 Ω	20c	16c
1 MM 080	BW-1	RU-4	0.47 to 4700 Ω	30c	24c
1 MM 100	BW-2	RU-6	1 to 8200 Ω	40c	31c

GBT, SR AND BW 5% INSULATED TYPES

e GBT, SR Fixed Composition. Filament carbon 5% tors. For use in close tolerance circuits. EIA (RET) color coding. Completely insulated.

Type BW Fixed Wire-Wound (Low Power). Similar in appearance to carbon resistors, but have double-width first color band. Completely insulated.

5% EIA (RETMA) VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
0.24	1.1	5.1	24	110	510	2400	11,000	51,000	0.24 meg	1.1 meg	5.1 meg	
0.27	1.2	5.6	27	120	560	2700	12,000	56,000	0.27 meg	1.2 meg	5.6 meg	
0.30	1.3	6.2	30	130	620	3000	13,000	62,000	0.30 meg	1.3 meg	6.2 meg	
0.33	1.5	6.8	33	150	680	3300	15,000	68,000	0.33 meg	1.5 meg	6.8 meg	
0.36	1.6	7.5	36	160	750	3600	16,000	75,000	0.36 meg	1.6 meg	7.5 meg	
0.39	1.8	8.2	39	180	820	3900	18,000	82,000	0.39 meg	1.8 meg	8.2 meg	
0.43	2.0	9.1	43	200	910	4300	20,000	91,000	0.43 meg	2.0 meg	9.1 meg	
0.47	2.2	10	47	220	1000	4700	22,000	0.1 meg	0.47 meg	2.2 meg	10 meg	
0.51	2.4	11	51	240	1100	5100	24,000	0.11 meg	0.51 meg	2.4 meg	11 meg	
0.56	2.7	12	56	270	1200	5600	27,000	0.12 meg	0.56 meg	2.7 meg	12 meg	
0.62	3.0	13	62	300	1300	6200	30,000	0.13 meg	0.62 meg	3.0 meg	13 meg	
0.68	3.3	15	68	330	1500	6800	33,000	0.15 meg	0.68 meg	3.3 meg	15 meg	
0.75	3.6	16	75	360	1600	7500	36,000	0.16 meg	0.75 meg	3.6 meg	16 meg	
0.82	3.9	18	82	390	1800	8200	39,000	0.18 meg	0.82 meg	3.9 meg	18 meg	
0.91	4.3	20	91	430	2000	9100	43,000	0.20 meg	0.91 meg	4.3 meg	20 meg	
1.0	4.7	22	100	470	2200	10,000	47,000	0.22 meg	1.0 meg	4.7 meg	22 meg	

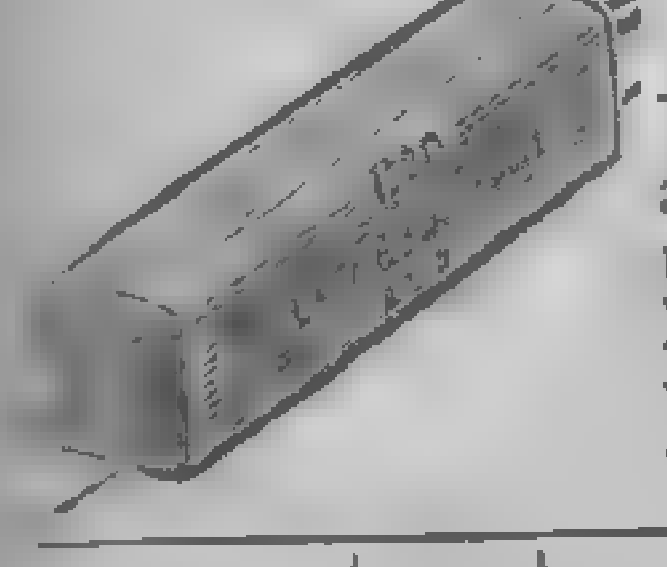
TYPE GBT, SR 5% FIXED COMPOSITION

Stock No.	Mfr's Type	MIL Equiv.	Values	NET EACH 1-9	NET EACH 10-99
1 MM 005	GBT-½	RC20	10 Ω to 22 megs	24c	19c
MM 025	GBT-1	RC32	10 Ω to 22 megs	36c	28c
MM 045	SR-2	RC42	10 Ω to 22 megs	48c	37c

TYPE BW 5% FIXED WIRE-WOUND (Low Power)

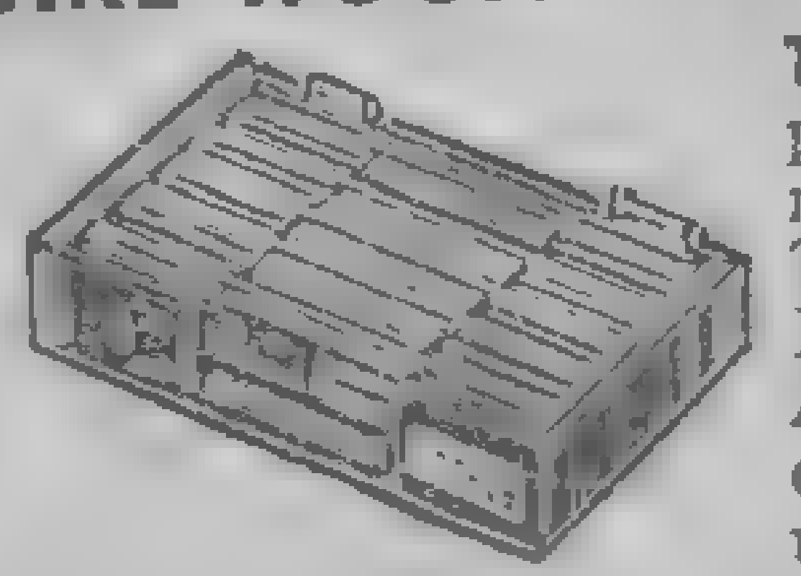
Stock No.	Mfr's Type	MIL Equiv.	Values	NET EACH 1-9	NET EACH 10-99
1 MM 066	BW-½	RU-3	0.24 Ω to 9.1 Ω	48c	38c
1 MM 065	BW-½	RU-3	10 Ω to 820 Ω	30c	24c
1 MM 085	BW-1	RU-4	0.47 Ω to 5100 Ω	45c	35c
1 MM 105	BW-2	RU-6	1.0 Ω to 8200 Ω	60c	47c

MULTI-RANGE 10-WATT WIRE-WOUND RESISTORS



Type MR. Unique, new resistors combining 4 separate 10-watt elements in a single, compact unit. With instructions for connecting element leads to provide up to 47 different resistance values within the ranges listed below. Shpg. wt., 3 oz. 2 per pkg.

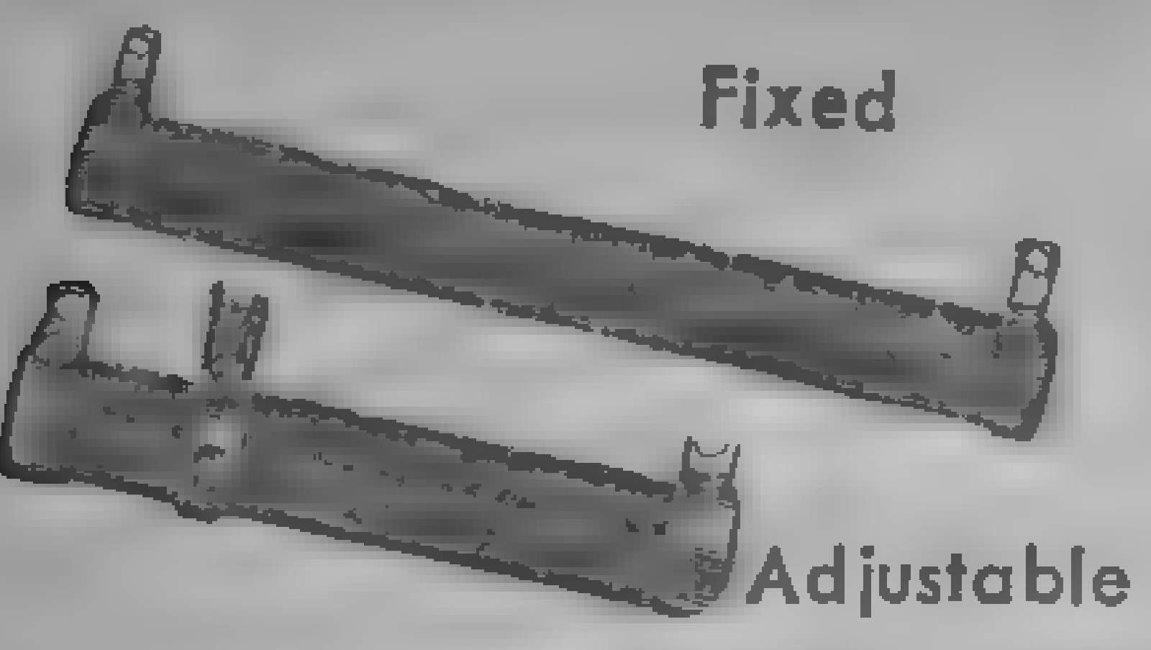
Stock No.	Type	Resistance Range	NET PER PKG.
M 580	MR1	47 values from 0 5 through 15 ohms	1.18
M 581	MR2	47 values from 5 0 through 150 ohms	1.18
31 M 582	MR3	47 values from 50 through 1500 ohms	1.18
31 M 583	MR4	47 values from 500 through 15,000 ohms	1.18
M 584	MR5	12 values from 3000 through 50,000 ohms	1.76



Type 55 Power Resistor Assortment. A complete power resistor kit consisting of 10 Type MR multi-range resistors. Kit includes 2 of each Type MR resistor listed in the table at left. Ideal for radio-TV servicemen, experimenters, Amateurs, etc. 200 different resistance values can be obtained from these 10 multi-range units. Provides complete 10-watt coverage right at your fingertips—resistance values range all the way from 0.5 ohms to 50,000 ohms. Steatite housings provide excellent insulation. Supplied in convenient plastic box. Size, 1¼x5¼x3½″. Shpg. wt., 1 lb.

31 M 585. NET....................................6.47

IRC Resistors



WIRE-WOUND POWER RESISTORS

Highly-reliable, "Resisteg" coated power resistors. Tolerances: fixed types, ±5%; adjustable types, ±10%. All adjustable types—and fixed types of 25-watt rating or higher, are supplied with mtg. brackets. All types rated 100 watts or less have eyelets for screw mounting plus leads, except *leads only; types rated over 100 watts have eyelets only. *Specify resistance and wattage when ordering*. Av. shpg. wts., 5 to 50-watt types, 4 oz.; others, 1 lb.

STOCK RANGES—SPECIFY RESISTANCE VALUES

VALUES AVAILABLE IN OHMS

1	12	75	350	800	2000	5000	11K	20K	55K	95K
1.5	15	100	400	900	2250	6000	12K	22.5K	60K	100K
2	20	125	450	1000	2500	7000	12.5K	25K	65K	125K
3	25	150	500	1100	2750	7500	13.5K	30K	70K	150K
4	30	200	600	1200	3000	8000	15K	35K	75K	175K
5	35	225	650	1250	3500	8500	16K	40K	80K	200K
7.5	40	250	700	1500	4000	9000	17.5K	45K	85K	250K
10	50	300	750	1750	4500	10K	18K	50K	90K	

FIXED POWER RESISTORS

TYPE 1A—5-8 WATTS—1x5/16"

Stock No.	Ohms	EACH
1 MM 250	1 to 1000 except 650	.52
1 MM 251	1100 to 5K except 2750	.55
1 MM 252	6K to 10K except 8500	.58
1 MM 253	12.5K to 20K* except 13 5K 16K, 18K	.65
1 MM 254	22.5K* and 25K* only	.68

TYPE 1¾A—10-12 WATTS—1¾x5/16"

Stock No.	Ohms	EACH
1 MM 270	1 to 1000 except 650	.57
1 MM 271	1100 to 5K except 2750	.61
1 MM 272	6K to 10K	.70
1 MM 273	11K to 20K	.79
1 MM 274	22.5K to 40K	.83
1 MM 268	45K and 50K only	.93

TYPE 2C—20 WATTS—2x7/16"

Stock No.	Ohms	EACH
1 MM 278	1 to 1000 except 1.5, 7 5, 12, 15, 20, 30, 35, 40, 125, 225, 450, 600	.68
1 MM 279	1200 to 5K	.70
1 MM 280	6K to 10K except 8.5K	.83
1 MM 281	12 5K to 20K except 13.5K, 16K, 17.5K and 18K	.85
1 MM 282	25K to 40K	.99
1 MM 283	45K to 60K	1.15
1 MM 258	65K to 80K	1.37
1 MM 259	85K* to 100K*	1.57

TYPE 2D—25 WATTS—2x9/16"

Stock No.	Ohms	EACH
1 MM 203	1, 2, 3, 4, 5, 10, 15, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	.72
1 MM 204	1.5K to 5K except 1250, 1750, 2250, 2750 and 4500	.75
1 MM 205	6K, 7.5K, 10K only	.85
1 MM 206	12K, 15K, 20K only	.90
1 MM 207	25K to 40K	1.04
1 MM 208	50K and 60K only	1.21
1 MM 209	70K and 80K only	1.42
1 M 210	100K only	1.64

TYPE 4D—50 WATTS—4x9/16"

Stock No.	Ohms	EACH
1 MM 290	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	1.11
1 MM 291	1.5K to 5K except 1750, 2250, 2750, 3500 and 4500	1.14
1 MM 292	7.5K, 8K and 10K only	1.23

TYPE 4D—50 WATTS (cont.)

Stock No.	Ohms	EACH
1 MM 293	12K, 15K and 20K only	1.35
1 MM 225	25K and 35K only	1.54
1 M 226	50K only	1.72
1 M 227	75K only	1.97
1 M 228	100K only	2.13
1 M 229	125K only	2.57
1 M 330	150K only	2.70
1 M 331	175K only	2.79
1 M 332	200K only	2.89
1 M 333	250K only	3.24

TYPE 6½E—100 WATTS—6½x¾"

Stock No.	Ohms	EACH
1 MM 309	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 125, 150, 250, 500, 750, 1000	1.54
1 MM 310	1.5K, 2K 2.5K, 3K, 5K only	1.60
1 MM 311	7.5K and 10K only	1.73
1 MM 235	15K and 20K only	1.87
1 MM 236	25K, 30K, 40K only	2.13
1 MM 237	50K and 60K only	2.21
1 M 238	75K only	2.45
1 M 239	100K only	2.75

TYPE 8½H—160-175 WATTS—8½x1⅛"

Stock No.	Ohms	EACH
1 MM 385	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 125, 150, 250, 500, 1000	2.28
1 MM 386	1 5K, 2K, 2 5K, 3K, 5K only	2.32
1 MM 387	7 5K and 10K only	2.53
1 MM 388	15K and 20K only	2.71
1 MM 389	25K, 30K and 40K only	2.80
1 MM 390	50K and 60K only	2.89
1 M 391	75K only	3.08
1 M 392	100K only	3.26

TYPE 10½H—200-225 WATTS—10½x1⅛"

Stock No.	Ohms	EACH
1 MM 441	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 250, 500, 750, 1000	2.46
1 MM 442	1 5K, 2K, 2 5K, 3K, 5K only	2.53
1 MM 443	7.5K and 10K only	2.71
1 MM 444	15K and 20K only	2.89
1 MM 445	25K, 30K and 40K only	2.98
1 MM 446	50K and 60K only	3.08
1 M 447	75K only	3.26
1 M 448	100K only	3.46

ADJUSTABLE POWER RESISTORS

TYPE 1¾AA—10-12 WATTS—1¾x5/16"

Stock No.	Ohms	EACH
1 MM 275	1 to 1000 except 1.5, 4, 12, 30, 35, 40, 125, 225, 450, 650, 700 and 900	1.14
1 MM 276	1250 to 5K except 1750, 2750	1.18
1 MM 277	6K to 10K	1.27

TYPE 2DA—25 WATTS—2x9/16"

Stock No.	Ohms	EACH
1 MM 284	1 to 1000 except 1.5, 4, 12, 30, 35, 40, 125, 225, 350, 450, 600, 650, 700 and 900	1.29
1 MM 285	1250 to 5K except 1750 and 2750	1.32
1 MM 286	6K to 10K except 8.5K	1.42
1 M 287	12K, 15K, 20K only	1.47
1 M 288	25K only	1.61

TYPE 4DA—50 WATTS—4x9/16"

Stock No.	Ohms	EACH
1 MM 294	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 200, 250, 300, 400, 500, 750, 800, 1000	1.68
1 MM 295	1250 to 5K except 1750, 2750	1.71
1 MM 296	6K to 10K except 8500	1.80
1 MM 297	12K, 15K and 20K only	1.92
1 MM 298	25K, 30K, and 50K only	2.11
1 MM 299	50K and 60K only	2.29
1 M 269	80K only	2.54
1 M 308	100K only	2.70

TYPE 5EA—75 WATTS—5x¾"

Stock No.	Ohms	EACH
1 MM 211	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	1.86
1 MM 212	1.5K, 2.5K and 5K only	1.95
1 M 213	10K only	2.09
1 MM 214	15K and 20K only	2.22
1 MM 215	25K, 30K and 40K only	2.41
1 M 216	50K only	2.60
1 M 217	75K only	2.87
1 M 218	100K only	3.10

TYPE 6½EA—100 WATTS—6½x¾"

Stock No.	Ohms	EACH
1 MM 312	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	2.11
1 MM 313	1.5K, 2.5K and 5K only	2.17
1 M 314	10K only	2.30
1 MM 315	15K and 20K only	2.44
1 MM 316	25K, 30K and 40K only	2.70
1 M 317	50K only	2.78
1 M 318	75K only	3.02
1 M 319	100K only	3.32

TYPE 8½HA—160-175 WATTS—10½x1⅛"

Stock No.	Ohms	EACH
1 MM 356	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	3.16
1 MM 357	1.5K, 2.5K and 5K only	3.20
1 M 358	10K only	3.41
1 MM 359	15K and 20K only	3.59
1 MM 360	25K, 30K and 40K only	3.68
1 M 362	50K only	3.77
1 M 363	75K only	3.96
1 M 364	100K only	4.14

TYPE 10½HA—200-225 WATTS—10½x1⅛"

Stock No.	Ohms	EACH
1 MM 377	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	3.34
1 MM 378	1 5K, 2 5K, 5K only	3.41
1 M 379	10K only	3.59
1 MM 380	15K and 20K only	3.77
1 MM 381	25K, 30K and 40K only	3.86
1 M 382	50K only	3.96
1 M 383	75K only	4.14
1 M 384	100K only	4.34

Extra Sliders. For adjustable resistors. 3 oz.

2 M 600. For 1¾AA **NET**	14¢
2 M 604. For 2DA, 4DA. **NET**	14¢
2 M 605. For 5EA, 6½EA. **NET**	14¢
2 M 603. For 8½HA, 10½HA **NET**	23¢

No Charge for Cabinet

RESISTOR ASSORTMENTS

Keep your resistor stocks complete, or and accessible with IRC metal Resist-O-Ca nets. These space saving cabinets have 4 dra and 28 compartments and are available w choice of 4 resistor assortments (±10%) resistance value is in a separate compart Prices are for resistors only—no charge cabinets. 5⅜x5 15/16x10⅞".

METAL RESIST-O-CABINETS

Assortment No. 3A. 120 2-watt resist follows: 7 each: 8200, 10K, 22K, 47K; 5 1K, 6800, 15K, 0.1 meg; 4 each: 100, 330, 1500, 2200, 3300, 4700, 27K, 1.0 meg; 3 47, 82, 150, 220, 270, 3900, 0.22 meg. 0.47 2 each: 4.7, 10, 22, 68; 1 each: 15, 27, 33, With Resist-O Cabinet. 4½ lbs.

2 M 776. NET ....28.

Assortment No. 4A. 150 IRC ½-watt re tors. 8 each: 1K, 47K, 0.1 meg, 0.27 meg, 4 1.0 meg; 7 each: 4700, 10K, 0.22 meg, 2.2 5 each: 3300, 22K, 27K, 33K, 0.33 meg, meg: 4 each: 100, 470, 1500, 2200, 2700, 68K, 3.3 meg; 3 each: 47, 220, 270, 10 With Resist-O-Cabinet. Wt., 4½ lbs.

2 M 777. NET.. .. 17.

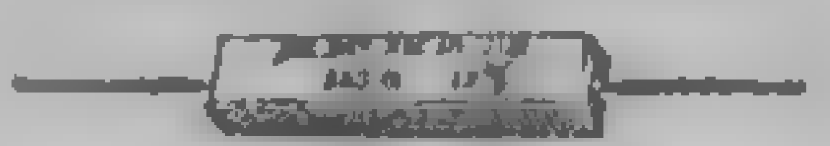
Assortment No. 5A. 125 IRC 1-watt resist 7 each: 1K, 10K, 27K, 47K, 0.1 meg, 0.27 0.47 meg, 1 0 meg, 5 each: 2200, 4700, 4 each: 33K, 39K, 68K; 3 each: 47, 100, 220, 270, 470, 1500, 2700, 3300, 15K, 0 15 0.22 meg, 2.2 meg, 4.7 meg. With metal R O-Cabinet Shpg. wt., 4¾ lbs.

2 M 778. NET.....................22.

Combination Assortment No. 6A. C plete resistor stock for AM, FM and TV i handy cabinet. 139 IRC insulated and T DCF resistors. **½-Watt.** 4 each: 1000, 100K, 270K, 470K, 1 0 meg; 3 each: 10K, 220K, 2 2 meg. 2 each 47, 100, 150, 270, 470, 1500, 2200, 2700, 3300, 15K, 27K, 33K, 39K, 68K, 150K, 4.7 m **Watt.** 4 each: 1000, 10K, 27K, 100K, 1 0 3 each: 47K, 470K, 2 2 meg; 2 each: 3300, 22K, 68K, 150K, 270K; 1 each: 47, 100, 220, 270, 470, 1500, 2200, 2700, 4700, 39K, 220K, 4 7 meg **2 Watt.** 1 each: 47, 470, 4700, 10K, 22K, 47K. **Type DCF.** 1 1000, 10K, 100K, 1 0 meg, 5 meg With Resist-O-Cabinet. Wt., 5 lbs.

2 M 779. NET.....................22.

AXIAL-LEAD POWER RESISTORS PW-5 AND PW-10



VALUES AVAILABLE (OHMS)

1	20	125	600	1500	4000	
2	25	150	700	1750	4500	
3	30	200	750	2000	5000	1
4	40	250	800	2250	6000	1
5	50	300	900	2500	7000	1
7.5	75	350	1000	3000	7500	15
10	100	400	1200	3300	8000	2
15	120	500	1250	3500	8200	25

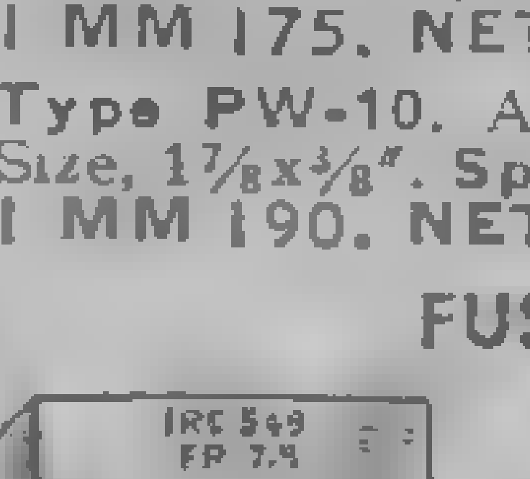
Type PW-5. IRC 5-watt wire-wound res with glass fiber core. Element lead asse is fully sealed and insulated rectangular ramic case. Has 1½" axial leads. Toler. ±10%. Size less leads, ⅞x⅜". Shpg. wt., *Available in values from 1 to 6000 ohms* **Specify when ordering—see listing of ues available, above.**

1 MM 175. NET EACH . . . .

Type PW-10. As above but 10-watt ra Size, 1⅞x⅜". **Specify value when order**

1 MM 190. NET EACH................

FUSE-RESISTORS



Type FR 7.5. Plug-in resistor with characterist a slow-blow fuse. For se string filament circuits. vents severe tube los opens filament circuits if current is exce Replaces similar units in RCA, Motorola, vania, Zenith, etc. Insulated ceramic body sistance, 7.5 ohms. 3 oz.

2 M 771. NET EACH...............4

Type FR 5. Above, but 5 ohms 3 oz.

2 M 773. NET EACH 4

Type FR 5.6. Same as above, but 5 6 Shpg wt , 3 oz

2 M 772. NET EACH............. .4

IRC, G-C and Sprague Resistors

NMOLDED 1% PRECISION RESISTORS—MIL-10509

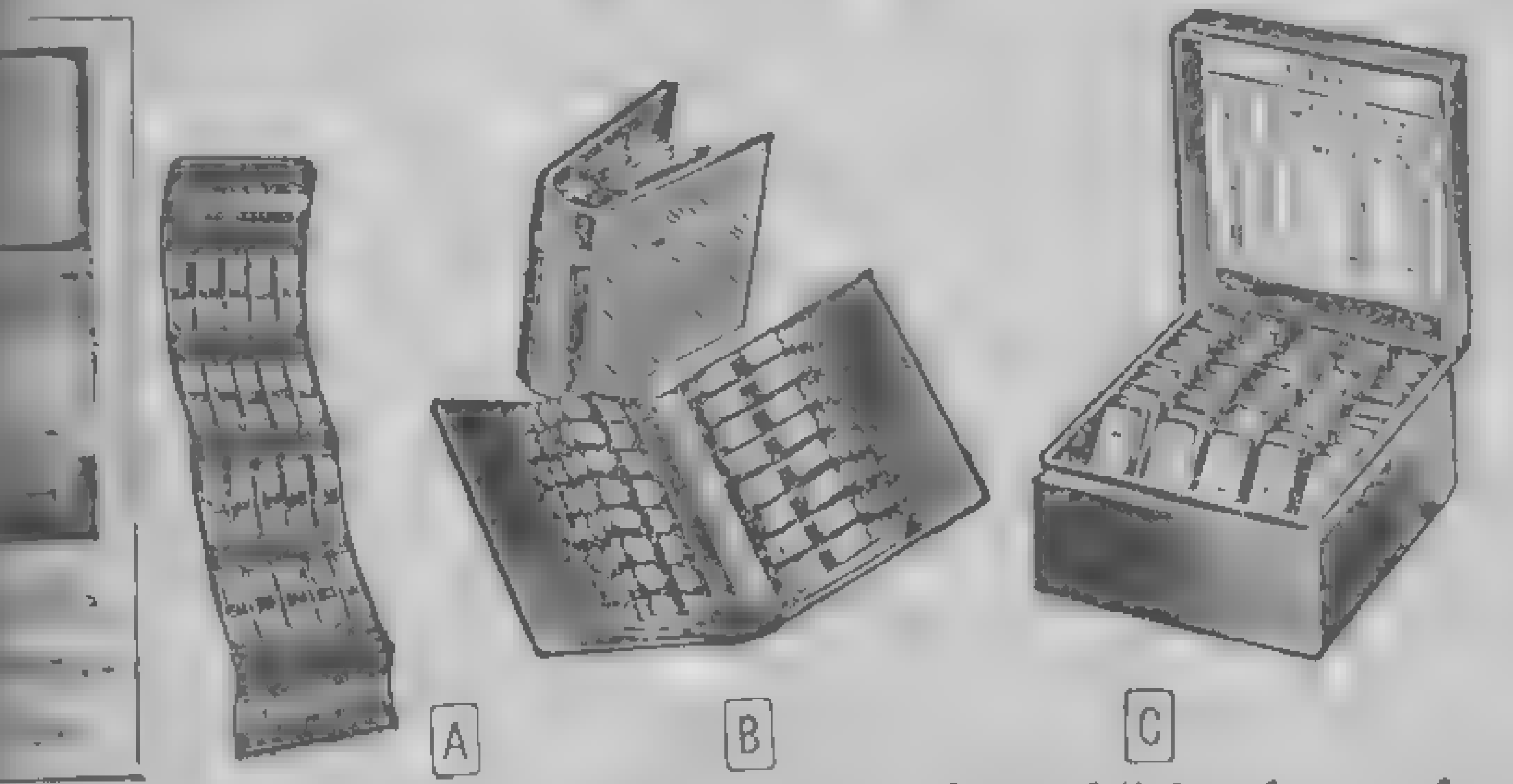
DCC and DCF. Un- film-type carbon re- circuits requiring high ratings and low noise ovide a unique combi- close tolerance, stability and economy. Ideally suited to the requirements of instrumentation, advanced electronics and cal color television circuits. Have low voltage coefficent, excel- ency characteristics and small size. Wattage rating is ½-watt DCC; 1-watt for Type DCF. Both types meet military speci- MIL-10509. Ratings, 40°C. **Be sure to specify values when** . Av. shpg. wt., 3 oz.

IL-OHM VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
61.9	383	2150	12.1K	68.1K	383K
68.1	422	2370	13.3K	75K	422K
75	464	2610	14.7K	82.5K	464K
82.5	511	2870	16.2K	90.9K	511K
90.9	562	3160	17.8K	100K	562K
100	619	3480	19.6K	110K	619K
110	681	3830	21.5K	121K	681K
121	750	4220	23.7K	133K	750K
133	825	4640	26.1K	147K	825K
147	909	5110	28.7K	162K	909K
162	1000	5620	31.6K	178K	1 meg
178	1100	6190	34.8K	196K	1.1 megs
196	1210	6810	38.3K	215K	1.21 megs
215	1330	7500	42.2K	237K	1.33 megs
237	1470	8250	46.4K	261K	1.47 megs
261	1620	9090	51.1K	287K	1.62 megs
287	1780	10K	56.2K	316K	1.78 megs
316	1960	11K	61.9K	348K	1.96 megs
348					

No.	Type	Mil. Type	Values	EACH
492	DCC	RN20X	10 ohms-46.4 ohms	.71
493	DCC	RN20X	51.1 ohms-1.96 megs	.59
494	DCF	RN25X	10 ohms-90.9 ohms	1.03
495	DCF	RN25X	100 ohms-1.96 megs	.88

HANDY-PAK RESISTOR ASSORTMENTS



to keep stocks within quick, easy reach—end "cigar box confu- Handy-Paks are uniform size for ½, 1 and 2 watts—one pack-size resistor value. Complete stocks are always visible. All resistors carbon composition types.

Resist-O-Caddy." Convenient plastic pouch containing Handy- folds to 6¾x3⅞x1½". Individual pockets keep packets secure erly—inventory is always visible. Ideal for in-home servicing.

41. Assortment of 120 ½-watt resistors; 20 values, 47 ohms to 10 Shpg. wt., 8 oz.
32. **NET EACH**......................................14.11

45. Assortment of 80 1-watt resistors; 20 values, 47 ohms to 10 Shpg. wt., 8 oz.
3. **NET EACH** 14.11

Resist-O-Pedia." Resistor stocks in handy book form. No extra rge for attractive blue and yellow hardback binder. Has 3-ring " inserts for Handy-Paks. Complete stock is always visible. size, 9x8¼x2⅞". Av. shpg. wt., 3½ lbs.

	Mfr's Type	Description	NET EACH
784	44	462 ½-watt resistors; 77 values, 10 ohms—22 megs.	54.33
785	48	308 1-watt resistors; 77 values, 10 ohms—22 megs.	54.33

Resist-O-Chest." An all-metal resistor filing cabinet supplied plete with a wide assortment of resistors in "Handy-Paks." Ideal service shop. Has hinged lid and metal separators to keep Handy- orderly—right at your fingertips. Inventory list in lid helps you stock up-to-date. Size, 6¼x5⅜x3⅜". Shpg. wts.: 42 and 43, 2¼ 46 and 47, 2½ lbs.; 49A and 50A, 3 lbs.

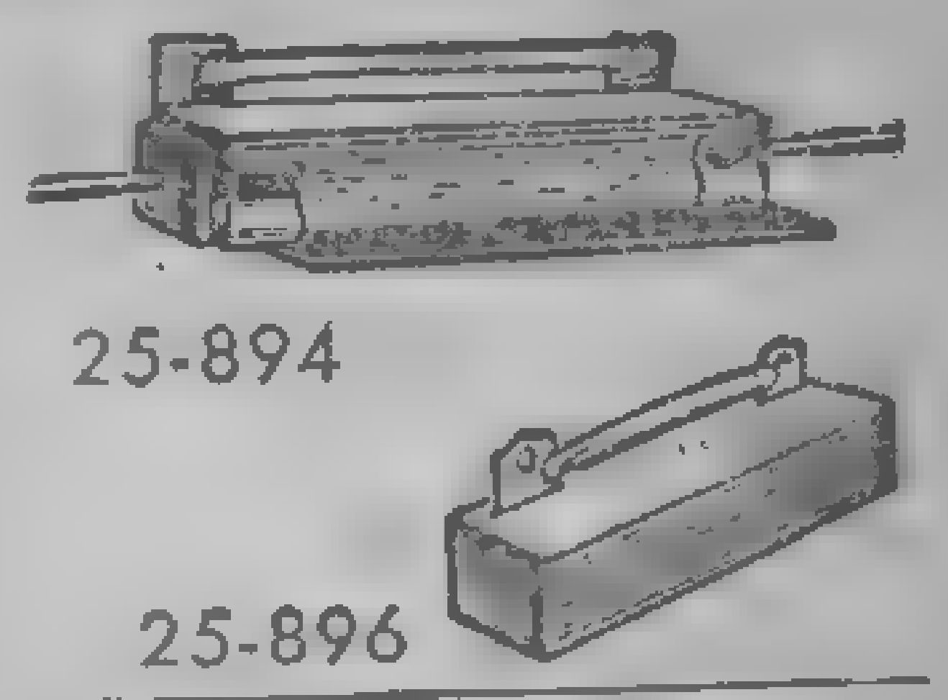
	Mfr's Type	Description	NET EACH
787	42	204 ½-watt resistors; 34 values, 47 ohms—10 megs.	23.99
788	43	462 ½-watt resistors; 77 values, 10 ohms—22 megs.	54.33
789	46	136 1-watt resistors; 34 values, 47 ohms—10 megs.	23.99
790	47	308 1-watt resistors; 77 values, 10 ohms—22 megs.	54.33
791	49A	102 2-watt resistors; 34 values, 100 ohms—10 megs.	23.99
792	50A	231 2-watt resistors; 77 values, 10 ohms—22 megs.	54.33

NDY OHM'S LAW CALCULATOR

-to-use calculator. Solves problems in Law and DC power. Shows power, ge and current when resistance is n. By setting to two known values ance can be determined. Also has parallel resistance calculator. 9x3". Shpg. wt., 3 oz.

780. **NET**...25c
781. **Deluxe Plastic Model. NET**..............................1.50

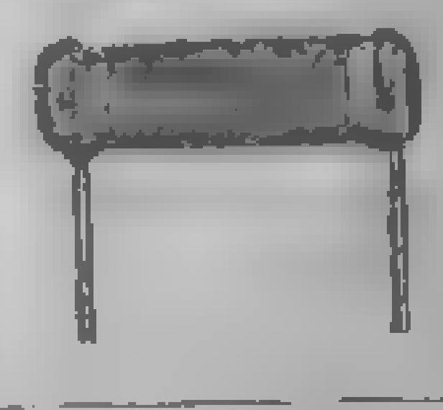
G-C SURGISTORS



Surge resistors for increased receiving tube, CR tube and component life. Combines the functions of a resistor and a relay. Limit harmful initial voltage surge to 25% of normal, yet allow full voltage after warm-up. Connect directly into the power line. For use with 110-120 v., AC-DC. Av. shpg. wt., 7 oz.

Stock No.	Type	Watts	NET
80 G 144	25-894	100-275	1.09
81 G 036	25-896	250-400	1.26

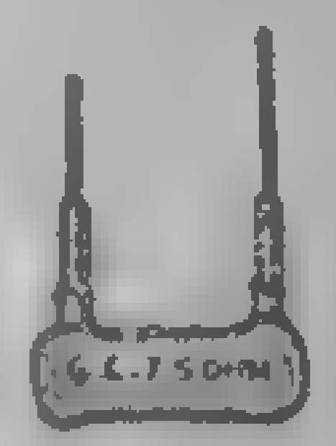
G-C GLO-BAR "THERMISTORS"



Popular thermistors used in series-string filament circuits of RCA, Crosley, Philco, and other TV sets. A necessary service replacement item. *Matched pair; replaces filament resistors of G.E., M'rola, Sears, etc. Av. wt., 1 oz.

Stock No.	Type	Ohms		Replaces	NET EACH	
		Hot	Cold		1-9	10-Up
2 M 066	25-912	20	250	GE RRW051	.88	.81
2 M 067	25-914	75	950	GE RRW041	.94	.86
2 M 068	25-916	31	260	GE RRW097	.94	.86
2 M 069	25-918	35	460	GE RRW054	.94	.86
2 M 053	25-920	11	250	M'rola 6A735941	.88	.81
2 M 054	25-922	50	1050	Philco 33-1343-3	.71	.65
2 M 055	25-924	10500 at 125V.		G.E. RRW052	1.09	1.00
2 M 070	25-926	43	125	Crosley	1.18	1.08
2 M 071	25-928	9	200	RCA 100118	.97	.89
2 M 072	25-910	40	375	*(see above)	1.65	1.51

G-C TV "FUSE-SISTORS"



Reliable, low-cost replacement units for series-string TV tube circuits. Replace similar units in Raytheon, RCA, Motorola, Sylvania, Zenith and other TV receivers. All units are less than an inch in length; tinned leads for quick and easy installation. Av. shpg. wt., 1 oz.

Stock No.	Type	Ohms	List	1-9, EACH	10-Up, EACH
2 M 073	25-964	5.6	$.65	38¢	35¢
2 M 074	25-960	7.5	.65	38¢	35¢
2 M 075	25-966	9.0	.65	38¢	35¢
2 M 076	25-968	22.0	.65	38¢	35¢

Type 25-998 "Fuse-Sistor" Kit. Contains one each of above. 4 oz.
2 M 077. **NET**...1.47

SPRAGUE "KOOLOHM" WIRE-WOUND RESISTORS

Feature high-voltage insulated resistance wire windings; will withstand 10,000 volts from surface of jacket to resistance element. KT types are inductively wound; NIT types have non-inductive winding. Ceramic jackets and special end-seals provide complete protection against high humidity and heat—ceramic coating insulation withstands temperatures to 1000°C. Accuracy within 5%. Av. shpg. wt., 2 oz.

SPECIFY RESISTANCE WHEN ORDERING

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5	30	150	500	1K	4K	9K	16K	40K
10	40	200	600	1.5K	5K	10K	20K	50K
15	50	250	700	2K	6K	12K	25K	70K
20	75	300	800	2.5K	7.5K	14K	30K	
25	100	400	900	3K	8K	15K	35K	

TYPE 5KT—5 WATT—1 5/16x1 5/32"

Stock No.	Ohms	EACH	Stock No.	Ohms	EACH
1 MM 640	5 to 1000	.38	1 M 645	20,000	.68
1 MM 650	1500 to 6000	.41	1 M 646	25,000	.76
1 MM 651	7500 & 800	.44	1 M 647	30,000	.82
1 MM 652	9000 to 12,000	.47	1 M 649	35,000	.88
1 M 644	15,000	.56	1 M 648	40,000	.97

TYPE 10KT—10 WATT—1 29/32x1 5/32"

1 MM 660	5 to 1000	.44	1 MM 698	15,000 & 16,000	.64
1 MM 692	1500 to 2500	.47	1 M 664	20,000	.70
1 MM 693	3000 to 6000	.50	1 M 665	25,000	.76
1 MM 694	7500 & 8000	.53	1 M 666	30,000	.82
1 MM 695	9000 & 10,000	.56	1 M 658	35,000	.91
1 M 696	12,000	.59	1 M 668	50,000	1.12
1 M 697	14,000	.63	1 M 659	70,000	1.38

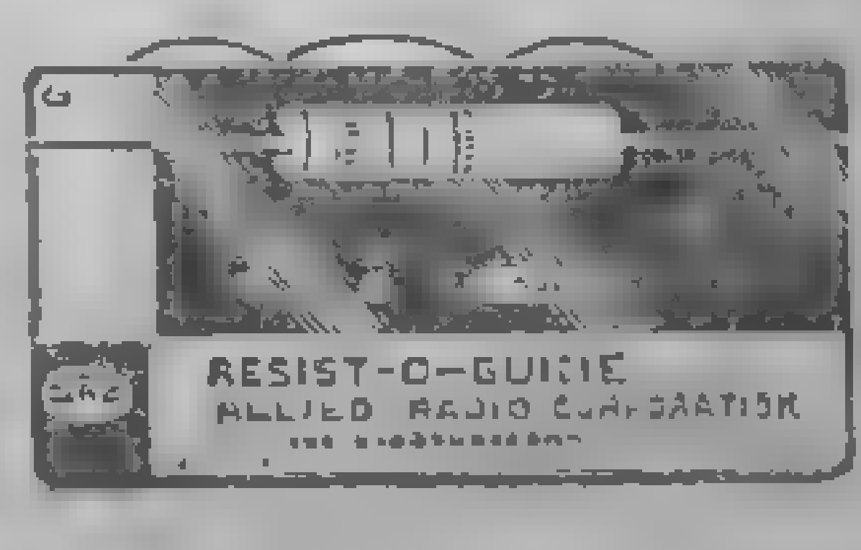
TYPE 5NIT—5 WATT NON-INDUCTIVE—¼"x1"

Stock No.	Ohms	EACH	Stock No.	Ohms	EACH
1 MM 670	5 to 1000	.56	1 M 676	4000	.67
1 MM 671	1500 & 2000	.59	1 M 673	5000	.76
1 MM 675	2500 & 3000	.61			

TYPE 10NIT—10 WATT NON-INDUCTIVE—1 29/32"x1 5/32"

1 MM 680	5 to 1000	.61	1 M 689	6000	.79
1 MM 681	1500 & 2000	.67	1 MM 690	7500 & 8000	.88
1 MM 686	2500 & 3000	.70	1 M 691	9000	.97
1 M 687	4000	.73	1 M 685	10,000	1.06
1 M 688	5000	.76			

ALLIED'S COLOR-CODE GUIDE

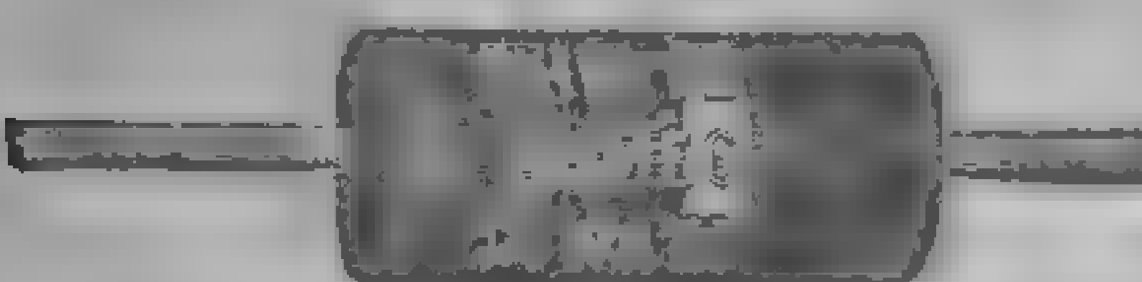


Code colors may be set to show resistance or resistance values may be set to show colors. Size, 2¾x3¾". Includes tolerance code and EIA-JAN ±10% standard stock values. **Free with order for 20 or more resistors.** 2 oz.

2 M 770. **NET**.................................15c

Ohmite Resistors

"LITTLE DEVIL" RESISTORS



Molded, insulated composition resistors. Meet MIL-R-11B specifications, including salt water immersion and high humidity tests. Dissipate heat rapidly and can be used at their full wattage ratings at 158° F. Tinned copper leads. Breakdown ratings: ¼ W., 250 v.; ½ W., 350 v.; 1 W., 500 v.; 2 W., 750 v. Shpg. wt., 2 oz.

SPECIFY VALUES DESIRED
10% TOLERANCE RESISTORS

Ohms	Ohms	Ohms	Megs	Megs
10	220	4700	0.1	2.2
12	270	5600	0.12	2.7
15	330	6800	0.15	3.3
18	390	8200	0.18	3.9
22	470	10,000	0.22	4.7
27	560	12,000	0.27	5.6
33	680	15,000	0.33	6.8
39	820	18,000	0.39	8.2
47	1000	22,000	0.47	10.0
56	1200	27,000	0.56	12.0
68	1500	33,000	0.68	15.0
82	1800	39,000	0.82	18.0
100	2200	47,000	1.0	22.0
120	2700	56,000	1.2	
150	3300	68,000	1.5	
180	3900	82,000	1.8	

Stock No.	Watts	NET EACH	
		1-99	100-Up†
2 MM 450	¼*	13¢	.075
2 MM 040	½	12¢	.072
2 MM 060	1	18¢	.108
2 MM 080	2	24¢	.144

†Applies to resistors of one value only.
*In values from 47 ohms to 22 megs only.

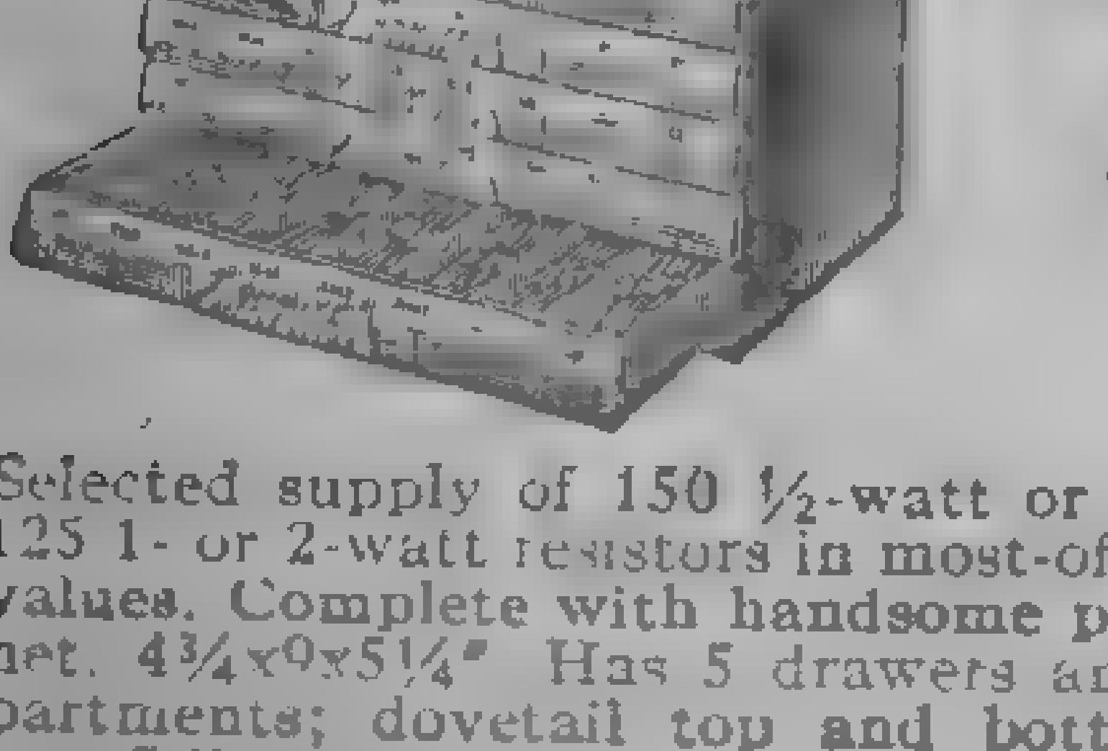
5% TOLERANCE RESISTORS

Ohms	Ohms	Ohms	Megs	Megs
10	220	4700	0.1	2.2
11	240	5100	0.11	2.4
12	270	5600	0.12	2.7
13	300	6200	0.13	3.0
15	330	6800	0.15	3.3
16	360	7500	0.16	3.6
18	390	8200	0.18	3.9
20	430	9100	0.20	4.3
22	470	10,000	0.22	4.7
24	510	11,000	0.24	5.1
27	560	12,000	0.27	5.6
30	620	13,000	0.30	6.2
33	680	15,000	0.33	6.8
36	750	16,000	0.36	7.5
39	820	18.000	0.39	8.2
43	910	20,000	0.43	9.1
47	1000	22,000	0.47	10.0
51	1100	24,000	0.51	11.0
56	1200	27,000	0.56	12.0
62	1300	30,000	0.62	13.0
68	1500	33,000	0.68	15.0
75	1600	36,000	0.75	16.0
82	1800	39,000	0.82	18.0
91	2000	43,000	0.91	20.0
100	2200	47,000	1.0	22.0
110	2400	51,000	1.1	
120	2700	56,000	1.2	
130	3000	62,000	1.3	
150	3300	68,000	1.5	
160	3600	75,000	1.6	
180	3900	82,000	1.8	
200	4300	91,000	2.0	

Stock No.	Watts	1-99 EA.	100-Up EA.†
2 MM 455	¼*	25¢	.15
2 MM 045	½	24¢	.144
2 MM 065	1	35¢	.216
2 MM 085	2	47¢	.288

†Applies to resistors of one value only
*In values from 47 ohms to 22 megs only.

"LITTLE DEVIL" ASSORTMENTS

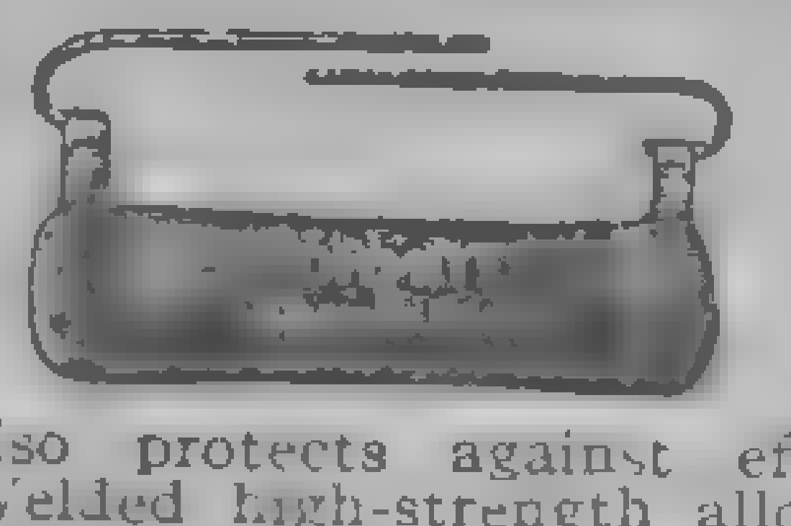


NO CHARGE for Plastic Cabinet

Selected supply of 150 ½-watt or ¼-watt or 125 1- or 2-watt resistors in most-often-needed values. Complete with handsome plastic cabinet. 4¾x9x5¼" Has 5 drawers and 40 compartments; dovetail top and bottom. Shpg. wt., 7 lbs.

No.	Type	Description	EACH
2 M 767	CAB-4	150 ¼-watt resistors	19.11
2 M 761	CAB-10	150 ½-watt resistors	17.64
2 M 754	CAB-2	125 1-watt resistors	22.05
2 M 762	CAB-3	125 2-watt resistors	29.40

FAMOUS "BROWN DEVIL" WIRE-WOUND RESISTORS



For voltage dropping, bias units, bleeders, etc. Thick vitreous enamel coating—for excellent heat conduction and insulation; also protects against effects of humidity. Welded high-strength alloy terminals. Accuracy, ±5%. Size: 5-watt units, 1x5/16"; 10 watt units, 1¾x5/16"; 20-watt units, 2x5/16". 1½" tinned leads. Av. shpg. wt., 3 oz.

SPECIFY VALUES DESIRED

Ohms	Ohms	Ohms	Ohms	Ohms
1	100	1000	7500	35,000
1.5†*	125*	1100*	8000	40,000
2*	150	1200	8500*§	45,000
3*	200	1250	9000	50,000
4*	225*	1500	10,000	55,000
5	250	1750	11,000*	60,000
7.5*	300	2000	12,000*	65,000
10	350	2250	12,500	70,000
12*	400	2500	13,500*	75,000
15*	450*	2750†§	15,000	80,000
20*	500	3000	16,000*	85,000
25	600*	3500	17,500*	90,000
30*	650†§	4000	18,000*	95,000
35*	700	4500	20,000	100,000
40*	750	5000	22,500*	
50	800	6000	25,000	
75	900*	7000	30,000	

5-WATT SIZE

Available in all values to 10,000 except t marked § in table at left.

No.	Ohms	EAC
1 MM 730	1 to 1000	.5
1 MM 731	1100 to 5000	.5
1 MM 732	6000 to 10,000	.5

10-WATT SIZE

Available in all values to 50,000 except marked † in table at left.

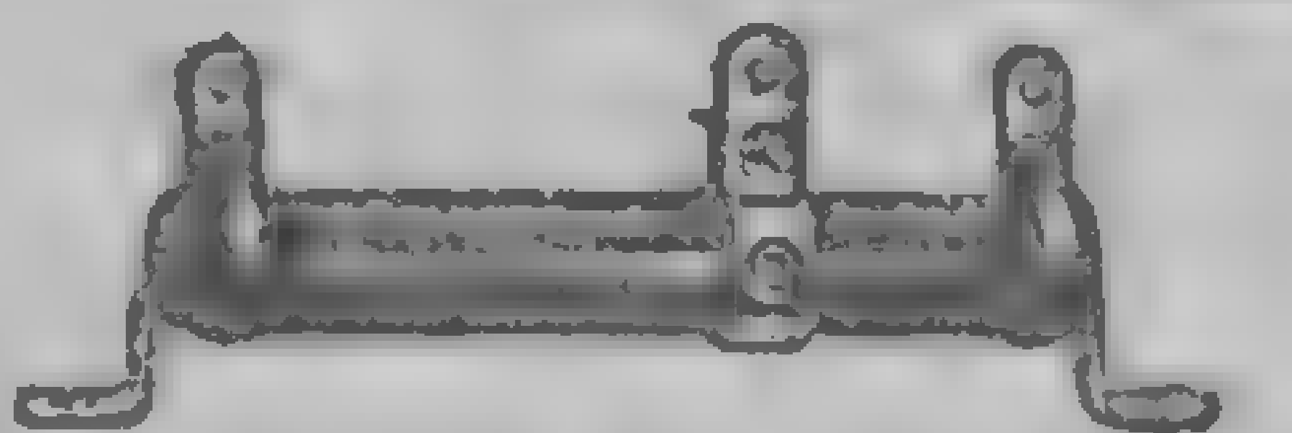
1 MM 700	1 to 1000	.5
1 MM 701	1100 to 5000	.6
1 MM 702	6000 to 10,000	.6
1 MM 703	11,000 to 20,000	.7
1 MM 706	22,500 to 40,000	.8
1 MM 707	45,000 and 50,000	.9

20-WATT SIZE

Available in all values except those marked table at left.

1 MM 720	5 to 1000	.6
1 MM 721	1200 to 5000	.6
1 MM 722	6000 to 10,000	.8
1 MM 723	12,500 to 20,000	.8
1 MM 724	25,000 to 40,000	.9
1 MM 725	45,000 to 60,000	1.
1 MM 726	65,000 to 80,000	1.3
1 MM 727	85,000 to 100,000	1.5

"DIVIDOHM" WIRE-WOUND ADJUSTABLE RESISTORS



Used for voltage-dividing networks in power supplies, adjustable dropping resistors, etc. Wire-wound on ceramic core with vitreous enameled coat. Accuracy ±10%. With slider and mounting brackets. Av. shpg. wt., ½ lb.

10 WATTS—1¾x5/16"

No.	Type	Ohms	Ma	EACH
74 M 950	1001	1	3160	1.12
74 M 951	1002	2	2240	
74 M 952	1003	3	1830	
74 M 953	1004	5	1410	
75 M 861	1006	10	1000	1.12
75 M 862	1009	25	630	
75 M 863	1010	50	450	
75 M 864	1011	75	370	
75 M 865	1012	100	320	
75 M 866	1013	150	250	
75 M 867	1015	250	200	
75 M 868	1019	500	140	
75 M 869	1021	750	120	
75 M 870	1023	1000	100	
75 M 871	1025	1500	81	1.16
75 M 872	1028	2500	63	
75 M 873	1033	5000	45	
75 M 874	1036	7500	36	1.24
75 M 875	1040	10,000	32	

75 M 883 EXTRA SLIDER............14¢

25 WATTS—2x9/16"

No.	Type	Ohms	Ma	EACH
74 M 954	0360	1	5000	1.26
74 M 955	0361	3	2880	
74 M 956	0362	5	2240	
74 M 957	0363	10	1580	
74 M 958	0364	15	1290	1.26
74 M 959	0365	25	1000	
74 M 960	0366	50	710	
74 M 961	0367	75	580	
75 M 780	0368	100	500	1.26
75 M 781	0371	250	320	
75 M 782	0372	500	220	
75 M 783	0373	750	180	
75 M 784	0375	1000	160	
75 M 785	0376	1500	130	1.29
75 M 786	0377	2000	120	
75 M 787	0378	2500	100	
75 M 788	0379	3000	91	
75 M 789	0382	5000	70	
75 M 790	0384	7500	57	1.39
75 M 791	0385	10,000	50	
75 M 792	0386	12,000	42	1.44
75 M 793	0387	15,000	36	
75 M 794	0388	20,000	31	
75 M 795	0389	25,000	28	1.59

75 M 880 EXTRA SLIDER............14¢

50 WATTS—4x9/16"

No.	Type	Ohms	Ma	EACH
74 M 962	0560A	1	7070	2.08
74 M 963	0560B	2	5000	1.65
74 M 964	0560C	3	4070	1.65
74 M 965	0560D	4	3530	1.65

50 WATTS—4x9/16" (Cont.)

No.	Type	Ohms	Ma	EAC
74 M 966	0561	10	2230	1.6
74 M 967	0562	25	1410	
74 M 968	0563	50	1000	
74 M 969	0564	75	820	1.6
74 M 970	0565	100	710	
74 M 971	0566	150	580	
74 M 972	0567	200	500	
75 M 800	0568	250	450	1.6
75 M 801	0569	500	320	
75 M 802	0570	750	260	
75 M 803	0572	1000	220	
75 M 804	0573	1500	180	1.6
75 M 805	0574	2000	160	
75 M 806	0575	2500	140	
75 M 807	0578	5000	100	
75 M 808	0581	10,000	71	1.7
75 M 809	0583	15,000	57	1.8
75 M 810	0584	20,000	50	1.8
75 M 811	0585	25,000	45	2.0
75 M 812	0586	30,000	36	
75 M 813	0587	40,000	29	
75 M 814	0588	50,000	26	2.2
75 M 815	0591	100,000	18	2.6

75 M 880 EXTRA SLIDER.........

100 WATTS—6½x¾"

No.	Type	Ohms	Ma	EAC
74 M 973	0956A	1	10000	2.6
74 M 974	0956B	2	7070	
74 M 975	0956C	3	5770	
74 M 976	0956D	4	5000	2.0
74 M 977	0956	5	4470	
74 M 978	0957	10	3160	
74 M 979	0958	25	2000	
74 M 980	0959	50	1410	2.0
74 M 981	0960	100	1000	
74 M 982	0960B	250	630	
74 M 983	0961	500	450	
75 M 830	0962	1000	320	
75 M 831	0964	5000	140	2.1
75 M 832	0965	10,000	100	2.2
75 M 833	0966	15,000	81	2.3
75 M 834	0967	20,000	71	2.3
75 M 835	0968	25,000	63	2.6
75 M 837	0970	40,000	50	2.6
75 M 838	0971	50,000	45	2.7
75 M 840	0973	100,000	28	3.2

75 M 881 EXTRA SLIDER..........

200 WATTS—10½x1⅛"

No.	Type	Ohms	Ma	EAC
74 M 984	1356A	1	14100	4.2
74 M 985	1356B	2	10000	
74 M 986	1356C	3	8160	
74 M 987	1356D	4	7070	
74 M 988	1356	5	6320	
74 M 989	1357	10	4470	3.2
74 M 990	1358	25	2830	
74 M 991	1359	50	2000	
74 M 992	1360	100	1410	3.2
74 M 993	1360B	250	890	
74 M 994	1361	500	630	
75 M 850	1362	1000	450	
75 M 851	1364	5000	200	3.3
75 M 852	1365	10,000	140	3.5
75 M 858	1371	50,000	63	3.8
75 M 860	1373	100,000	45	4.2

75 M 882 EXTRA SLIDER

Resistors and Audio, TV Controls

OHMITE RESISTORS

OHMITE AXIAL-LEAD WIRE-WOUND RESISTORS

ad, ceramic-core re- Covered with vitre- amel to withstand mperature. Resistance wire and terminals welded to end caps to excellent stability and minimum noise. Well-suited for all applica- here equipment is subject to high operating temperatures and conditions. Tolerance: ±5%. Wattage based on temperature 300° C. 1½" leads. Av. shpg. wt., 4 oz.

SPECIFY RESISTANCE WHEN ORDERING

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
12	75	350	900	2250	7000	18,000
15	100	400	1000	2500	7500	20,000
20	125	450	1100	3000	8000	22,500
25	150	500	1200	3500	9000	25,000
30	200	600	1250	4000	10,000	30,000
35	225	700	1500	4500	12.500	35,000
40	250	750	1750	5000	15,000	40,000
50	300	800	2000	6000	17,500	....

3 WATTS—⁹⁄₁₆x¼"

No.	Ohms	EACH	No.	Ohms	EACH
090	1-1000	58¢	2 MM 110	6000-10,000	65¢
095	1100-5000	61¢			

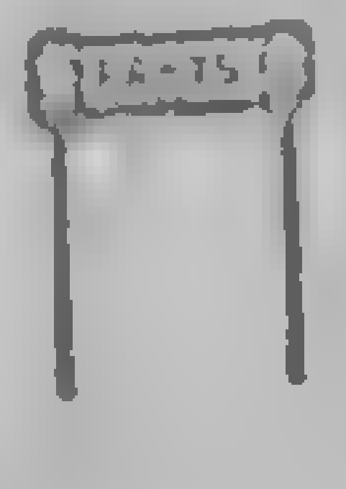
5 WATTS—1⁵⁄₁₆x¹¹⁄₃₂"

No.	Ohms	EACH	No.	Ohms	EACH
115	1-1000	61¢	2 MM 145	12,500-20,000	76¢
130	1100-5000	65¢	2 MM 146	22,500-25,000	80¢
135	6000-10,000	69¢			

10 WATTS—1¹⁵⁄₁₆x¹³⁄₃₂"

No.	Ohms	EACH	Stock No.	Ohms	NET
121	1 and 2	93¢	2 MM 124	6000-10,000	82¢
122	3-1000	67¢	2 MM 125	12,500-20,000	93¢
123	1100-5000	72¢	2 MM 126	22,500-40,000	98¢

OHMITE TYPE FR 7½-OHM FUSE RESISTOR



ly-dependable 7½-ohm fuse resistor. May be used to many fuse resistors used in television circuits. 1½" wire leads make replacement application easy and Supplied with convenient, plug-in bakelite mounting or can be wired directly into circuit of TV set. Very only used in series-string filament circuits. Length, Shpg. wt., 3 oz.

63. NET 44c

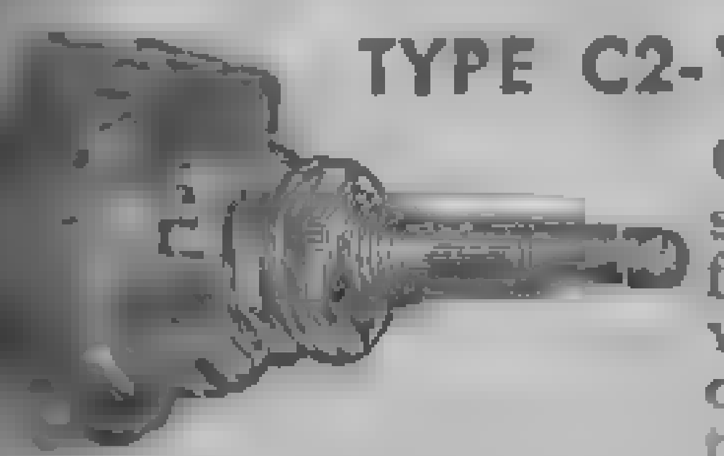
CENTRALAB COMPENTROL CONTROLS

TYPE C-1 COMPENTROLS

A combination volume control and tone compensator. The skilfully designed electronic circuit network substantially improves the apparent bass and treble response of amplifiers, and television receivers, hi-fi equipment, phonographs, etc., when control is set at a low level. Improves sound quality at negligible . Quickly and easily installed in place of existing volume control. is SPST. Shaft length, 3". Body diameter, ¹⁵⁄₁₆". Shpg. wt., 5 oz.

ock o.	Mfr's Type	Description	NET EACH
421	C1-60	½ meg. plain	2.69
422	C1-60-S	½ meg. with switch	3.23
423	C1-70	1 meg. plain	2.69
424	C1-70-S	1 meg. with switch	3.23

TYPE C2-100 COMPENTROL "SENIOR"



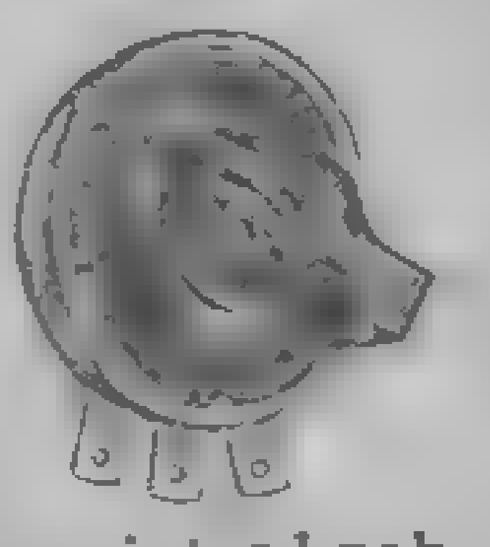
Combination volume control and tone compensator. Automatically compensates for reduced frequency response of the human ear at low volume levels. Adjusts for exact amount of compensation desired. A worthwhile addition to hi-fi equipment, radios, television, etc. Simount in space occupied by regular volume control. With two brown knobs; instructions. Shaft length, ⅞". Shpg. wt., 6 oz.

436. NET 4.41

C2-200. Same as C2-100 Compentrol above except features ach" design. Front and rear units separate, enabling cutting of to desired length before assembling. Permits a neat, professional ation. Shpg. wt., 8 oz.

437. NET 4.41

ENSEN SPEAKER VOLUME CONTROLS

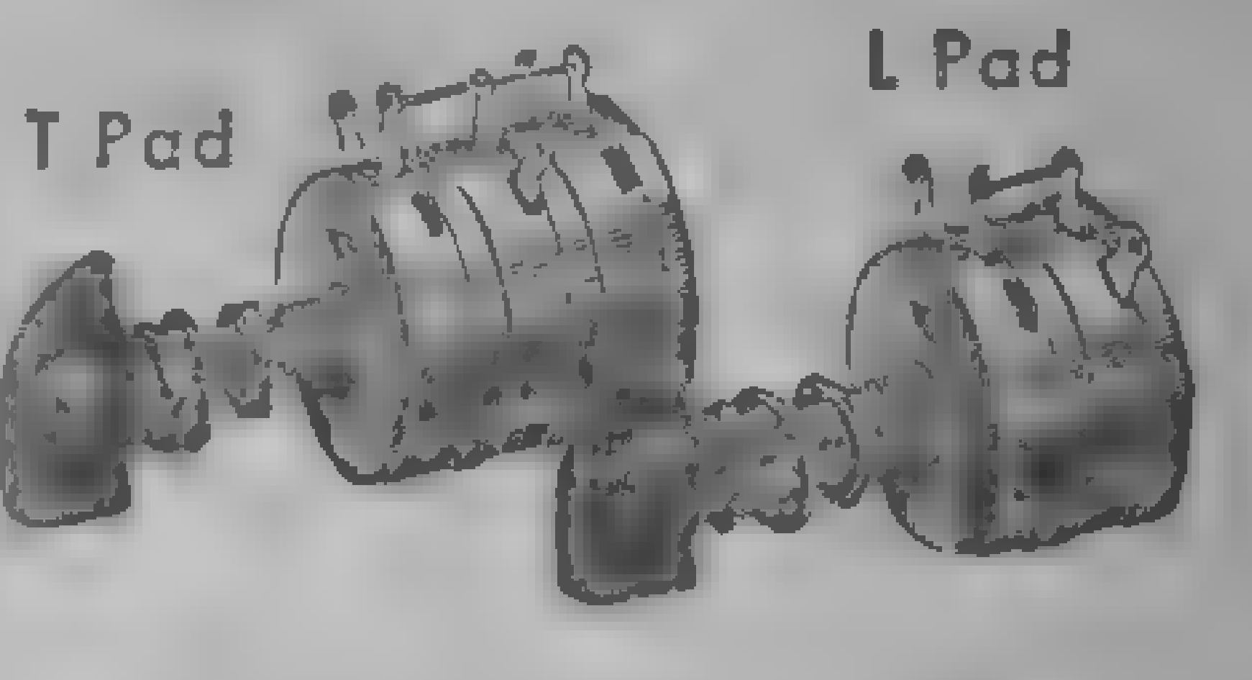


tion L-pads designed for controlling volume at dual speakers. Provide a practically constant im- at any control setting—have no effect on vol- of other speakers or total impedance. Suitable in voice coil or line circuits of similar impedance. nt for use in PA, intercom, background music or music systems. Feature rugged construction with alloy windings and solder lug terminals. Provide , gradual volume control. Single hole panel ng. Supplied complete with lock nut, small bakelite pointer knob t metal escutcheon plate. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Ohms	Watts	NET EACH
M 942	ST-760	3-4	5	1.97
M 940	ST-276	6-8	5	1.76
M 941	ST-411	6-8	15	2.76
M 938	ST-837	15-16	15	2.76
M 939	ST-761	500-600	15	3.65

MALLORY CONTROLS

SPEAKER CONTROLS



Constant-load attenuator pads. Widely used to control the level of low-impedance audio circuits in sound systems. Rated at 4 watts, continuous DC; 15 w. peak audio. Have 2" shafts. Bushing size: ⅜x⅜" diameter. Supplied with bar knob, 0-10 dial plate and wiring instructions. Av. shpg. wt., 7 oz.

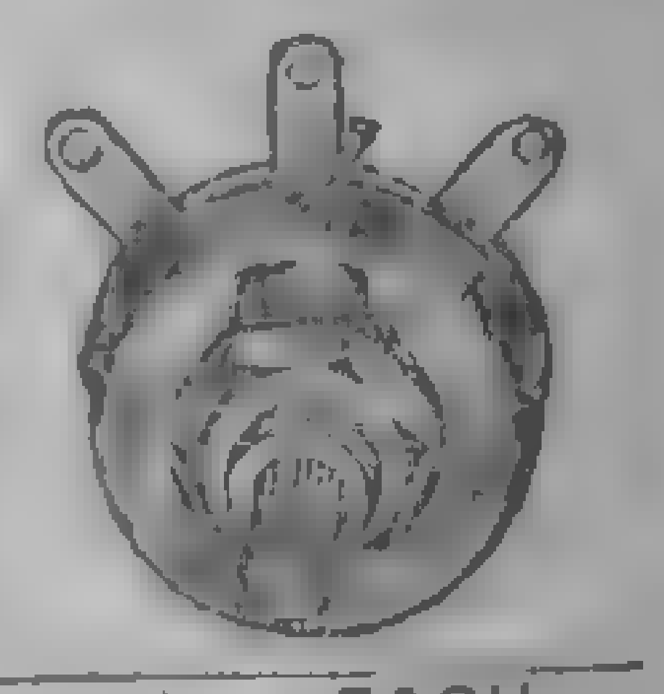
T Pad Attenuators. Present constant source impedance as well as constant load at all control settings. Size: 1⅝" dia., 1¹¹⁄₁₆" deep.

L Pad Attenuators. Present a constant load impedance at all control settings. Size: 1⅝" dia., 1⅛" deep.

Ohms	Stock No.	Type	Stock No.	Type
2	29 M 868	T2	29 M 883	L2
4	29 M 869	T4	29 M 884	L4
6	29 M 870	T6	29 M 885	L6
8	29 M 871	T8	29 M 892	L8
15	29 M 872	T15	29 M 886	L15
50	29 M 873	T50	29 M 887	L50
100	29 M 865	T100	29 M 920	L100
200	29 M 874	T200	29 M 888	L200
250	29 M 875	T250	29 M 889	L250
500	29 M 876	T500	29 M 890	L500
600	29 M 866	T600	29 M 921	L600
1000	29 M 867	T1000	29 M 922	L1000
2000	29 M 877	T2000	29 M 891	L2000
3000	29 M 878	T3000	29 M 923	L3000
4000	....	....	29 M 708	L4000

"T" Pads. NET EACH...3.03 | **"L" Pads. NET EACH...2.68**

THEATER SPEAKER CONTROLS



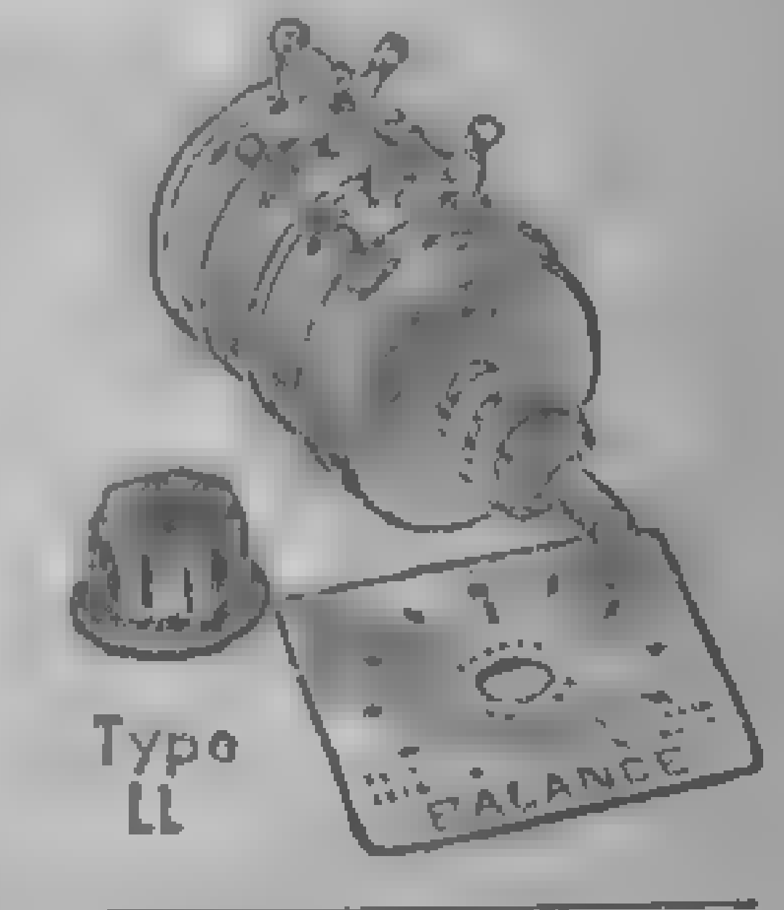
Precision units developed especially as controls in drive-in theater speaker installations. Withstand extremes of temperature and humidity. TSA-10 is an L-pad with 10-ohm input and 4-ohm output. TSA-35 is a 35-ohm series-type potentiometer. TSA-6 is a 6-ohm shunt-type attenuator. 1¹⁄₁₆" dia. cases. Shafts are ½" long; *steel (knurled), †brass. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Description	EACH
29 M 847	*TSA-10	L-pad	1.44
29 M 848	*TSA-35	Potentiometer	1.06
29 M 849	†TSA-6	Shunt-type Attenuator	1.06

MONAURAL AND STEREO L-PAD CONTROLS

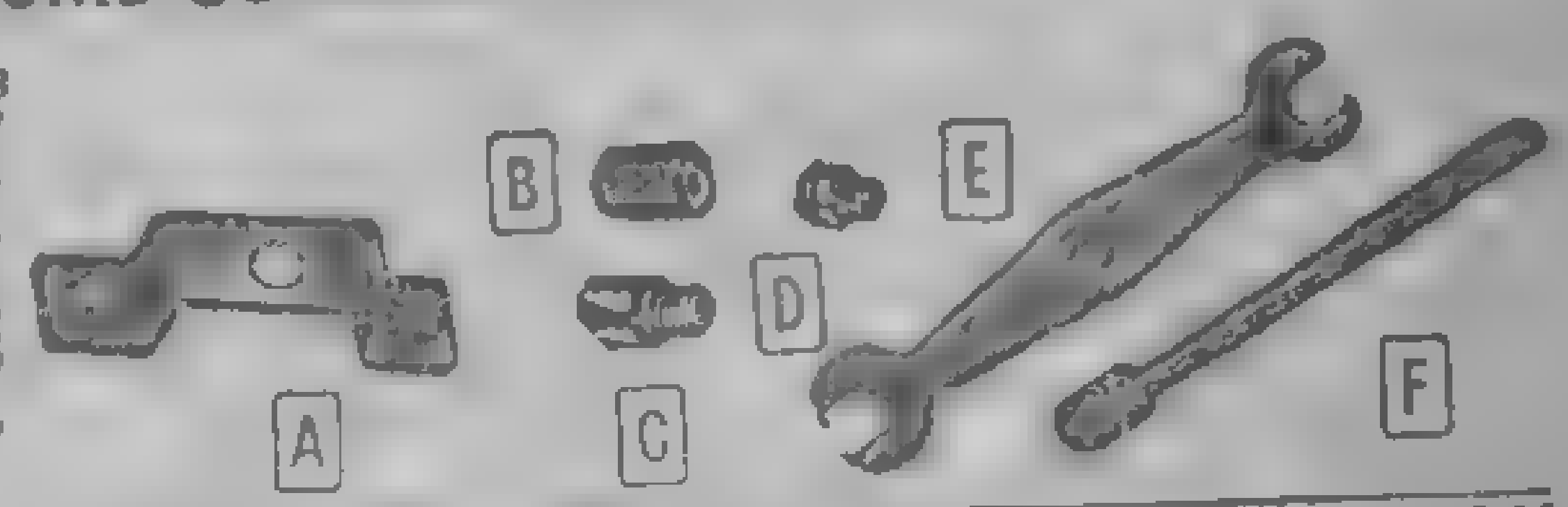
Constant impedance L-pad attenuators. Use as level controls in low-impedance, low-level audio circuits. Types LL-8, LL-16, LL-50 are dual-tandem units for stereo balance or master volume, others are for monaural use. All have 15-watt rating, 294° rotation. Bushing size: 1" by ⅜" dia. 1½" shaft. With knob, dial plate, instructions. Shpg. wt., 5 oz.

Stock No.	Mfr's Type	Ohms	NET EACH
29 M 097	LL-8	8	5.85
29 M 098	LL-16	16	5.85
29 M 099	LL-50	50	5.85
29 M 071	L8-A	8	2.79
29 M 072	L16-A	16	2.79



VOLUME CONTROL ACCESSORIES

*Couples ¼" shafts to ¼", or ¼" to ³⁄₁₆" shafts. †Extends body of control ⅝" away from mtg. surface. Shpg. wt.: brackets, 3 oz.; shafts, couplers, bushings, 1¼ oz.



Stock No.	Type	Fig.	Description	EACH
29 M 676	RB249	A	Mtg. bracket. Mtg. Ctrs. 2½"	24¢
29 M 675	RB248	A	Mtg. bracket. Mtg. Ctrs. 1¾"	21¢
29 M 661	EB247†	C	Extender	41¢
29 M 665	178	E	Wrench for ½"-⁹⁄₁₆" v.c. hex nuts	50¢
29 M 655	RS242	F	Ext. shaft, 4x¼x¹⁄₃₂" flat.	56¢
29 M 656	RS243	F	Ext. shaft, 4x¼x³⁄₃₂" flat.	56¢
29 M 657	RS244	F	Ext. shaft, 4x³⁄₁₆x¹⁄₆₄" flat.	56¢
29 M 658	RS245	F	Ext. shaft, 2x¼" with ³⁄₃₂" slot.	79¢
29 M 672	EC240*	B	Coupling	59¢
60 H 390	UB241	D	Bushing for panel mounting.	9¢

IRC TV HEIGHT CONTROLS

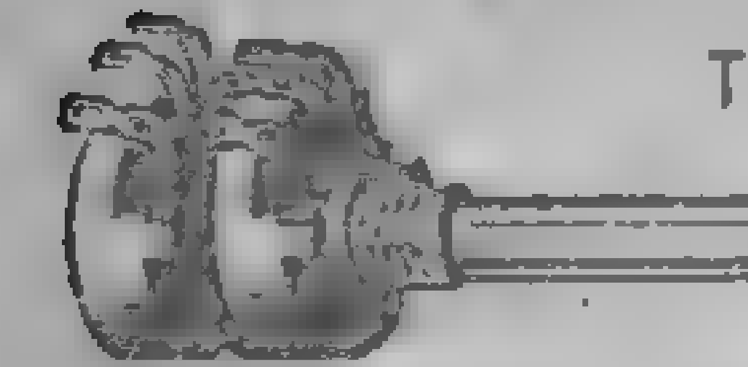
A selection of premium-quality potentiometers designed especially for controlling picture height (vertical size) in television receivers. Have same specifications as most original equipment controls. All have 1-watt power rating. 750 volts maximum, between outer terminals. Nylon shaft is slotted and knurled; designed for easy shortening when required. Easily installed in virtually any receiver. Tab-mounting; rear adjustment. Diameter, ¹⁵⁄₁₆". Shpg. wt., 4 oz.

Stock No.	Type	Megohms
30 M 861	HLC-1	2
30 M 862	HLC-2	2.5
30 M 863	HLC-3	3.0
30 M 864	HLC-4	4.0
30 M 865	HLC-5	5.0
30 M 866	HLC-6	7.5

NET EACH 2.50

CTS-IRC Replacement, Push-Pull Controls

EXACT-DUPLICATE TV CONTROLS

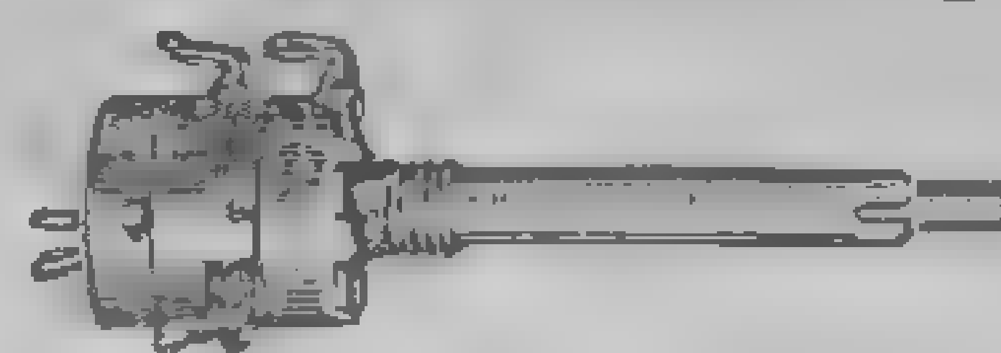


Type QJ

A wide selection of exact-duplicate TV controls for replacement use. All duplicate the originals in every detail—even the switch is duplicated if one is present on the original control. Shpg. wt., 3 oz.

Stock No.	Type	Mfr's No.	NET
ADMIRAL			
31 M 700	QJ-154	75B11-1	2.20
31 M 701	QJ-104	75B11-2	2.20
31 M 702	QJ-194	75B11-3	3.03
31 M 703	QJ-120	75B11-4	2.20
31 M 704	QJ-170	75B11-5	2.20
31 M 705	QJ-196	75B11-7	2.62
31 M 706	QJ-197	75B11-9	2.20
30 M 922	QJ-106	75B11-10	2.20
31 M 707	QJ-195	75B11-11, 75B11-17	3.03
30 M 901	QJ-12	75B11-13	2.62
30 M 902	QJ-13	75B11-18	2.62
31 M 715	QJ-1197	75B11-14	2.79
31 M 708	QJ-330	75B11-20	3.03
30 M 972	QJ-397	75B11-21	2.62
31 M 709	QJ-442	75B11-22	3.03
31 M 710	QJ-569	75B11-24	2.62
31 M 711	QJ-765	75B11-26	2.62
31 M 712	QJ-884	75B11-28	2.68
31 M 713	QJ-888	75B11-29	3.09
31 M 716	QJ-1063	75B11-31	3.09
31 M 717	QJ-1201	75B11-32	3.09
31 M 714	QJ-738	75B12-1	2.82
31 M 718	QJ-739	75B12-2	2.82
31 M 719	QJ-740	75B12-3	2.82
31 M 720	QJ-741	75B12-4	2.82
31 M 721	QJ-742	75B12-5	2.82
31 M 722	QJ-743	75B12-6, 75B17-4	2.41
30 M 978	QJ-425	75B17-1	2.41
31 M 723	QJ-424	75B17-2	2.20
31 M 724	QJ-400	75B17-3	2.20
31 M 725	QJ 618	75B17-5	2.20
31 M 726	QJ-1079	75B17 22	2.26
31 M 727	QJ-1136	75B17-35	2.20
31 M 728	QJ-1121	75C43-5	2.00
AIRLINE			
31 M 729	QJ-831	10A-18441, -1	3.03
30 M 977	QJ-418	78X12, A, B	3.03
BENDIX			
31 M 730	QJ-15	262036-1	2.20
CAPEHART-FARNSWORTH			
31 M 731	QJ-373	453117C-1	2.62
30 M 979	QJ 446	453337A-1	2.62
31 M 732	QJ-1018	850366A-10	3.09
CROSLEY			
30 M 913	QJ-40	139170	3.03
30 M 932	QJ-181	148098-A	2.62
30 M 933	QJ 183	149220	3.03
30 M 967	QJ-370	154085, -C, -F	2.62
DU MONT			
30 M 920	QJ-84	01028210	3.03
EMERSON			
31 M 733	QJ 749	390082	2.41
31 M 734	QJ-750	390185	2.41
31 M 735	QJ-269	390111	3.15
31 M 736	QJ 538	390124	2.82
31 M 737	QJ-267	390165	2.62
30 M 904	QJ 17	390167	2.62
30 M 956	QJ-313	390184	2.62
30 M 975	QJ-410	390207	2.62
31 M 738	QJ-780	390342	2.62
GENERAL ELECTRIC			
30 M 935	QJ-201	K71J70-2	3.03
30 M 962	QJ-350	K71J70-3	3.03
30 M 936	QJ-203	K71J71-2	2.62
31 M 739	QJ-754	K71J565-1	2.41
31 M 740	QJ-755	K71J555-2	2.41
30 M 973	QJ 398	K83J870-2	2.82
30 M 990	QJ-547	K83J941-1	3.23
30 M 987	QJ-506	K119J66-1	2.82
31 M 741	QJ-524	K119J81-2	3.23
31 M 742	QJ-499	K119J87-1	2.82
31 M 743	QJ-594	M78J446-3, M78J784-1	2.62
31 M 744	QJ-596	M78J447-3	3.03
31 M 745	QJ-848	M78J653-2	2.65
31 M 746	QJ-763	M78J879-2	2.68
31 M 747	QJ-729	M163J7-1	2.68
31 M 748	QJ-727	M163J8-1	2.68
31 M 749	QJ-728	M163J9-1	2.68
HALLICRAFTERS			
30 M 953	QJ-306	25B895	2.41
30 M 909	QJ-24	25B898	2.62
30 M 961	QJ-345	25B997	2.62
MOTOROLA			
31 M 750	QJ-50	18A484072	2.20
31 M 751	QJ-152	18A484073	2.20
31 M 752	QJ-184	18A484074	3.15
31 M 753	QJ 185	18K489005	3.15
31 M 754	QJ-321	18A702444	3.50
30 M 957	QJ-322	18K702864	3.50
30 M 969	QJ-380	18B720263	3.50
31 M 755	QJ-387	18B722190 18K720264, 18K722191	3.50
31 M 756	QJ-509	18K730049	3.50
31 M 757	QJ-510	18B730149	3.09
31 M 758	QJ-511	18K730150	3.09
31 M 759	QJ 512	18K 31031	3.50
MOTOROLA (CONT'D)			
31 M 760	QJ-590	18B733221	3.03
31 M 761	QJ-591	18B733977	3.03
31 M 762	QJ-872	18B736125	3.03
31 M 763	QJ-876	18B736127	2.62
31 M 764	QJ-1058	18K740997-C	2.62
30 M 943	QJ-250	18A790166	3.44
31 M 765	QJ-333	18A790835	2.62
31 M 766	QJ-756	18A790837	2.41
31 M 767	QJ-342	18A790838	2.20
31 M 768	QJ-272	18B790843	2.82
30 M 944	QJ-261	18A791705	3.03
30 M 945	QJ-262	18A792089	3.03
31 M 769	QJ-757	18A792687	2.82
31 M 770	QJ-395	18A792688	2.41
31 M 771	QJ-758	18A792683	2.41
31 M 772	QJ-1237	18K737326	2.62
31 M 773	QJ-1238	18B737619	2.20
31 M 774	QJ-1239	18K737927	3.03
31 M 775	QJ-1240	18B739822A	3.03
31 M 776	QJ-1241	18B740568	2.62
31 M 777	QJ-1244	18B742673-C	2.62
31 M 778	QJ-1245	18C743549-O	2.62
31 M 779	QJ-1246	18C743644-D	2.62
31 M 780	QJ-1247	18K743967-A	3.03
31 M 781	QJ-1248	18K746764-D	3.03
31 M 782	QJ-1249	18K748009-D	2.62
MUNTZ			
30 M 900	QJ-9	C-8 230-1	2.62
30 M 905	QJ-19	VC-0033, -B, -C, -D	2.62
30 M 906	QJ-20	VC 0040, -A, -B	2.62
31 M 783	QJ-528	VC-0040-C	2.62
30 M 981	QJ-454	VC-0040-1	2.62
31 M 784	QJ 632	VC-0052	2.62
31 M 785	QJ-1059	VC-0056	2.62
31 M 786	QJ-1060	VC-0058	3.03
OLYMPIC			
30 M 912	QJ-34	PT2267	2.62
PHILCO			
31 M 787	QJ-227	33-5563-21	3.03
30 M 948	QJ 279	33-5563-27	2.41
30 M 954	QJ-309	33-5563-36	3.03
30 M 971	QJ-391	33 5563 42	2.62
31 M 788	QJ-302	33 5563-43	2.20
30 M 960	QJ-340	33-5563 44	3.03
31 M 789	QJ 356	33-5563-50	2.20
30 M 965	QJ-357	33-5563-51	2.41
30 M 974	QJ 402	33 5563 53	2.41
RCA			
30 M 913	QJ-40	970111-7	3.03
31 M 790	QJ-177	970111-24	2.20
31 M 791	QJ-146	970913-10	3.03
31 M 792	QJ-93	970913 11	2.20
30 M 930	QJ 168	970913 26	2.20
30 M 918	QJ-81	970913-27	2.20
30 M 938	QJ 222	970913-30	3.03
31 M 793	QJ 615	971268-3	3.03
31 M 794	QJ-779	971268-9	3.09
31 M 795	QJ-325	971300-2	1.85
30 M 980	QJ 447	971666-6,-11,-13	3.03
30 M 984	QJ-496	971666-9	3.03
30 M 986	QJ-504	971666 15	3.03
SILVERTONE			
31 M 796	QJ-42	A2439	3.15
30 M 916	QJ-49	A24109	2.62
30 M 940	QJ-231	A24124, PB-24124A	2.62
30 M 966	QJ-363	A24112	2.62
31 M 797	QJ-414	PB-24128A	2.20
31 M 798	QJ-502	PB-24142	2.82
31 M 799	QJ 627	PB-24154	2.68
31 M 800	QJ-482	T24-206	2.62
30 M 907	QJ-21	TVC-528-D	2.62
30 M 942	QJ 246	VCA-12127B	3.03
31 M 801	QJ-760	W509302	2.41
SYLVANIA			
30 M 937	QJ-205	37-73153-1, -2 R73153	3.03
30 M 976	QJ-417	37-73876-3	3.03
30 M 983	QJ-472	37-77377-1	2.82
30 M 988	QJ-513	37-79047-1	2.62
31 M 802	QJ-514	37-79047-2	2.62
31 M 803	QJ-515	37-79047-3	2.62
31 M 804	QJ-206	R73331-1	3.03
31 M 805	QJ-207	R73331-2	3.03
TRAVLER			
30 M 949	QJ-291	TV-VC-36	2.82
WESTINGHOUSE			
30 M 921	QJ-91	V-9235-2	2.20
30 M 927	QJ-149	V-9877-1	3.03
30 M 970	QJ-382	V-9877-4, -5, -6	3.03
30 M 989	QJ-519	V-9877-7, -8	3.03
31 M 806	QJ-614	V-9877-10	3.03
31 M 807	QJ-635	V-9877-12	2.62
31 M 808	QJ-609	V-11695-2	3.44
31 M 809	QJ-639	V-14391-3	2.62
ZENITH			
30 M 939	QJ-229	63-1667	2.62
31 M 810	QJ-359	63-2825	2.20
31 M 811	QJ-625	63-3224	2.20

EXACT-DUPLICATE AUTO-RADIO CONTROLS



Exact-duplicate controls for re
ment use in auto radios.
CTS-IRC control listed is ide
to the unit it replaces—shaft
required mounting holes are a
of the correct dimensions.
modifications are never necessary, and neither is the use of add
parts. If the original control was provided with a switch, the CT
replacement also has one. Av. shpg. wt., 3 oz

BUICK

Stock No	Type No	Car Year	Original Part No.	NET
31 M 812	5346	1946-53	18B512084	2.09
31 M 813	5350	1954-56	18K533457	2.09
31 M 814	5359	1957	18B540768	2.47
31 M 815	5411	1950-53	7263119	2.47
31 M 816	5412	1954	7264309	2.47
31 M 817	5413	1955	7265742	2.47
31 M 818	5414	1956	7266996	2.47
31 M 819	5415	1957	7268944	2.47
31 M 820	5553	1958	7271329	2.47
31 M 821	5558	1959	7273993	2.47

CADILLAC

Stock No	Type No	Car Year	Original Part No.	NET
31 M 822	5423	1950-52	7259240	2.47
31 M 823	5424	1953	7263321	2.47
31 M 824	5425	1954-55	7264638	2.47
31 M 825	5426	1956	7266982	2.47
31 M 826	5427	1957	7269443	2.47

CHEVROLET

Stock No	Type No	Car Year	Original Part No.	NET
31 M 827	5342	1949-50	7258084	2.47
31 M 828	5343	1950	1218641	2.47
31 M 829	5344	1951-52	1219708	2.47
31 M 830	5345	1951 52	7261385	2.47
31 M 812	5346	1951-52	18B512084	2.09
31 M 832	5347	1953-54	7262941	2.47
31 M 833	5348	1953-54	7264211	2.47
31 M 834	5349	1953-54	7264210	2.47
31 M 813	5350	1953-56	18K533457	2.09
31 M 836	5351	1955	7265265	2.47
31 M 837	5352	1955-56	7265220	2.47
31 M 838	5353	1955 57	7265302	2.47
31 M 839	5354	1955-58	7266193	2.47
31 M 840	5355	1956	7266842	2.47
31 M 841	5356	1957	7269211	2.47
31 M 842	5357	1957	7269199	2.47
31 M 843	5358	1957	7269186	2.47
31 M 814	5359	1957	18B540768	2.47
31 M 845	5360	1957	18K541128	2.09
31 M 846	5362	1957	7270202	2.09
31 M 847	5550	1958	7270450	2.47
31 M 848	5551	1958	7270479	2.47
31 M 849	5555	1959	7273302	2.47
31 M 850	5556	1959	7273367	2.47

CHRYSLER

Stock No	Type No	Car Year	Original Part No.	NET
31 M 852	5435	1953	33 5557-10	2.09
31 M 853	5436	1953-54	33 5557-13	2.09
31 M 851	5378	1955	33 5557-15	2.09
31 M 854	5437	1955 56	33-5557-16	2.09
31 M 855	5438	1957	33 5580 16	2.47
31 M 856	5439	1957	33-5580 13	2.47

DESOTO

Stock No	Type No	Car Year	Original Part No.	NET
31 M 857	5449	1954	18A530623	1.38
31 M 858	5450	1955-56	18B532633	2.09
31 M 859	5451	1957-58	18B539819	2.47

DODGE

Stock No	Type No	Car Year	Original Part No.	NET
31 M 860	5459	1953	18B521099	2.09
31 M 861	5460	1954-55	18K533013	2.09
31 M 862	5461	1955	18B532519	2.09
31 M 863	5462	1955 56	18K532955	2.09
31 M 864	5463	1957	18K539820	2.47
31 M 865	5464	1958	18B561317	2.09
31 M 866	5564	1959	18B561732	2.09

FORD

Stock No	Type No	Car Year	Original Part No.	NET
31 M 867	5308	1948-50	L222858	2.09
31 M 868	5309	1950	18B591266	2.09
31 M 869	5310	1951	L219586-2	2.09
31 M 870	5311	1951	18B501153	2.09

FORD (CONT'D)

Stock No.	Type No.	Car Year	Original Part No
31 M 871	5312	1952-53	L219586-
31 M 872	5313	1952-53	18K5116
31 M 873	5314	1954	L219586-
31 M 874	5315	1954	18B53001
31 M 875	5316	1955	L219656
31 M 876	5317	1955	18B5312
31 M 877	5318	1956	L219681-
31 M 878	5319	1956	18B5344
31 M 879	5320	1957	2090035-
31 M 880	5321	1957	18K539
31 M 881	5322	1957	18B5393
31 M 882	5323	1957 58	2090035
31 M 883	5324	1957-58	18B5418
31 M 884	5325	1957-58	18B5423
31 M 885	5560	1959	18B5615
31 M 886	5561	1959	18B5615
31 M 887	5562	1959	2090035-

MERCURY

Stock No.	Type No.	Car Year	Original Part No
31 M 888	5398	1953 56	L219660
31 M 889	5399	1957	33-5570-
31 M 890	5400	1958	N219689

OLDSMOBILE

Stock No.	Type No.	Car Year	Original Part No
31 M 812	5346	1951-52	18B512
31 M 813	5350	1954 56	18K5334
31 M 893	5473	1949	1219582
31 M 894	5474	1951	7260294
31 M 895	5475	1953	726354
31 M 896	5476	1954-55	7264242
31 M 897	5477	1954-56	726412
31 M 898	5478	1956	7266887
31 M 899	5479	1957	7268847
31 M 900	5480	1957	726905
31 M 901	5552	1958	7270679

PLYMOUTH

Stock No.	Type No.	Car Year	Original Part No
31 M 902	5373	1952	18A5016
31 M 903	5374	1953	18B5216
31 M 904	5375	1953	33 5557-1
31 M 905	5376	1954-55	18A5330
31 M 906	5377	1955	18K5329
31 M 907	5378	1955	33 5557-1
31 M 908	5379	1956	18K5361
31 M 909	5380	1956	18B5367
31 M 910	5381	1956	33 5580-
31 M 911	5382	1957	18B5403
31 M 912	5383	1957	33 5580
31 M 913	5384	1958	18B5604
31 M 914	5385	1958	33 5580-
31 M 915	5386	1955	33-5557-
31 M 916	5559	1959	18B561

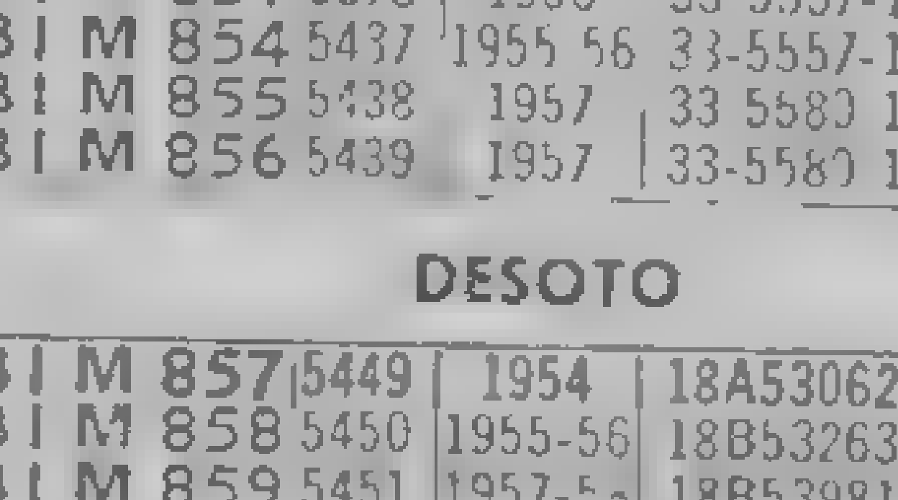
PONTIAC

Stock No.	Type No.	Car Year	Original Part No
31 M 813	5350	1955-56	18K5334
31 M 814	5359	1957	18B5407
31 M 919	5501	1949-50	72577
31 M 920	5502	1951-52	726004
31 M 921	5503	1953-54	726248
31 M 922	5504	1955-56	726549
31 M 923	5505	1956	72683
31 M 924	5506	1957	726914
31 M 925	5507	1957	72690
31 M 926	5554	1958	727144
31 M 927	5557	1959	72736

STUDEBAKER

Stock No.	Type No.	Car Year	Original Part No
31 M 813	5350	1953-56	18K533
31 M 814	5359	1957	18B5407
31 M 930	5517	1953	33-557

SERIES PPQ PUSH-PULL CONT



Controls with SPST switch
operate by moving shaft in an
preserve setting. Knurled,
grooved shafts are 2¾" lo
shaft) or 3¼" (3/16" shaft) when in, move out 5/32". ¼"-long
15/16" body dia * tap res † linear taper, § log , # tapped log
control for bass compensation), ‡ special. Shpg wt , 3 oz

PPQ-8 —3/16" SHAFT

Stock No	Type	Ohms	Ohms*
31 M 661	19-135x	500K†	250K
31 M 659	13-137x	1M†	250K
31 M 663	19-137x	1M†	500K
31 M 664	18-137x	1M†	100K
31 M 660	18-139x	2M†	1M
31 M 666	18-140x	3M†	1.5M
NET EACH			1.74
31 M 656	11-137	1M†	
31 M 657	13-137	1M§	
31 M 658	13-139	2M§	
NET EACH			1.32

PPQ 7—¼" SHAFT

Stock No.	Type	Ohms
31 M 650	11-103	500‡
31 M 651	11-129	200K†
31 M 652	13-130	250K§
31 M 653	13-133	500K§
31 M 654	11-137	1M†
31 M 655	13-137	1M§
NET EACH		
31 M 665	18-139x	1M‡
31 M 662	13 137x	1M#
NET EACH		

NIVERSAL WIRE-WOUND NTROLS

4-watt con- All have lin- aper, except: with L after have left-hand logarithmic taper for TV and types with R after ohms have right-logarithmic taper for picture contrast. on, 300°. Size: 1¼" dia., 23/32" deep; ed bushing is ⅜" dia. and ⅜" long -plated brass shafts, ¼" dia. Type WP und shaft, 3" long. Type WPK has 3" Knob Master" shaft—fits a wide variety bs. Type WPS has ¾" long shaft, knurled and slotted. Type WM multisections can ached to all controls. **Specify Type and** s. Shpg. wt., 4 oz.

TYPE WPK CONTROLS

Ohms	Ohms	Ohms	Ohms
300	750R	2000L	5000L
400	1000	2250L	6000
500	1350	2500	6000L
600	1350R	2500R	7500
650	1500	3000	7500L
750	1500L	4000L	10,000
750L	2000	5000	......

M 216. NET EACH........... 1.12

0 | 15,000 | 20,000 | 25,000 |

M 199. NET EACH......... 1.35

0 | 40,000 | 50,000 |

M 856. NET EACH............1.56

TYPE WPS CONTROLS

Ohms	Ohms	Ohms	Ohms
500	1500	2250L	4000
500L	2000	2500	4000L
1000	2250	3000	5000
.....			

M 217. NET EACH..............1.12

TYPE WP CONTROLS

Ohms	Ohms	Ohms	Ohms
15	60	400	2500
20	75	500	3000
25	100	750	4000
30	200	1000	5000
40	250	1500	7500
50	300	2000	10,000

M 215. NET EACH..............1.12

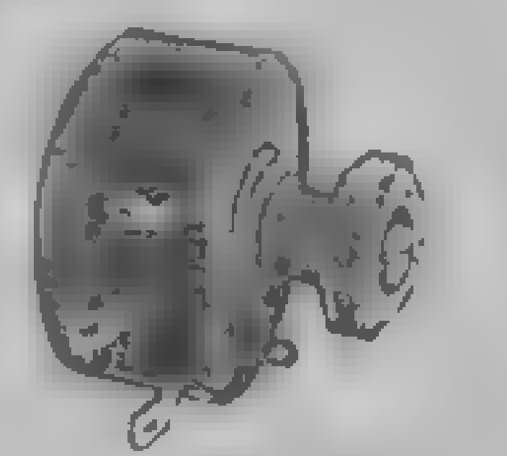
20,000 | 25,000 |.........|.......

M 857. NET EACH.............1.35

0 | 40,000 | 50,000 |...........|...

M 858. NET EACH.............1.56

TYPE WPRL CONTROLS



line of controls with -driver slot shaft, ¼" and approximately ½" om mounting face. With cking-type bushing and nut. Linear taper. fy **Type and Ohms.** wt., 4 oz.

Ohms	Ohms	Ohms	Ohms
15	60	400	2500
20	75	500	3000
25	100	750	4000
30	200	1000	5000
40	250	1500	7500
50	300	2000	10,000

M 859. NET EACH..............1.32

00 | 20,000 | 25,000 |..

M 889. NET EACH..............1.56

00 | 40,000 | 50,000 |.........|.....

M 890. NET EACH..............1.76

E WM MULTISECTION CONTROLS

edly constructed 4-watt "add-on" control s. Can be attached to the WPK, WPS, r WPRL controls, listed above, to form control units. All have linear taper, except 7500L which has left-hand logarithmic for TV focus. Rotation, 300°. Multisec- adds ⅝" to depth. **Specify Type and** s. Shpg. wt., 2 oz.

Ohms	Ohms	Ohms	Ohms
250	1500	3000	7500L
500	2000	5000	10,000
1000	2500	....	....

M 860. NET EACH...............1.12

SWITCHES FOR ABOVE CONTROLS

y attached switches for WPK, WPS, WP WPRL controls above. Shpg. wt., 2 oz.

M 218. Type 76-11. SPST. **NET**
M 219. Type 76-12. DPST. **EACH**..41c

Q CONTROLS WITH UNIVERSAL SHAFTS

Knurled, flatted and slotted. 3" universal shaft can be cut to desired length. 15/16" body dia. Bushing is ¼" long. Smooth, extremely quiet operation. *Includes 270-ohm, ½-watt bias resistor. Less switches (below). See taper explanations below. Av. shpg. wt., 4 oz.

No.	Type	Ohms	Taper	No.	Type	Ohms	Taper
30 M 395	Q11-201	250	A	30 M 318	Q13-128	100K	C
30 M 300	Q11-103	500	A	30 M 388	Q11-228	125K	A
30 M 377	Q11-105	750	A	30 M 875	Q11-328	150K	A
30 M 441	Q17-105	750	P	30 M 444	Q13-328	150K	C
30 M 301	Q11-108	1000	A	30 M 374	Q11-129	200K	A
30 M 379	Q17-108	1000	P	30 M 319	Q11-130	250K	A
30 M 874	Q17-110	2000	Q	30 M 320	Q13-130	250K	C
30 M 442	Q11-109	1500	A	30 M 445	Q11-131	300K	A
30 M 380	Q17-109	1500	Q	30 M 876	Q11-132	350K	A
30 M 302	Q11-110	2000	A	30 M 321	Q13-132	350K	C
30 M 373	Q13-111	2500	C	30 M 322	Q11-133	500K	A
30 M 381	Q17-111	2500	Q	30 M 323	Q13-133	500K	C
30 M 303	Q11-112	3000	A	30 M 324	Q14-133	500K	D
30 M 382	Q17-112	3000	Q	30 M 397	Q17-133	500K	Q
30 M 304	Q11-114	5000	A	30 M 398	Q11-134	600K	A
30 M 383	Q13-114	5000	C	30 M 390	Q11-136	750K	A
30 M 384	Q17-114	5000	Q	30 M 325	Q11-137	1 meg	A
30 M 305	Q11-115	7500	A	30 M 326	Q13-137	1 meg	C
30 M 306	Q11-116	10K	A	30 M 327	Q14-137	1 meg	D
30 M 307	Q13-116	10K	C	30 M 877	Q17-137	1 meg	Q
30 M 308	Q14-116*	10K	D	30 M 328	Q11-138	1.5 meg	A
30 M 385	Q17-116	10K	Q	30 M 329	Q11-139	2 meg	A
30 M 309	Q11-119	20K	A	30 M 330	Q13-139	2 meg	C
30 M 310	Q16-119*	20K	Spec.	30 M 399	Q17-139	2 meg	Q
30 M 311	Q11-120	25K	A	30 M 331	Q11-239	2.5 meg	A
30 M 443	Q13-120	25K	C	30 M 332	Q11-140	3 meg	A
30 M 312	Q14-120*	25K	D	30 M 333	Q13-140	3 meg	C
30 M 313	Q11-121	30K	A	30 M 446	Q17-140	3 meg	Q
30 M 396	Q11-122	35K	A	30 M 334	Q11-141	5 meg	A
30 M 314	Q11-123	50K	A	30 M 287	Q12-141	5 meg	Spec.
30 M 315	Q13-123	50K	C	30 M 392	Q13-141	5 meg	C
30 M 316	Q14-123*	50K	D	30 M 393	Q17-141	5 meg	Q
30 M 387	Q11-125	75K	A	30 M 394	Q11-142	7.5 meg	A
30 M 317	Q11-128	100K	A	30 M 335	Q11-143	10 meg	A

NET EACH..91c

TAPPED Q CONTROLS WITH UNIVERSAL SHAFTS

†Ohms

No.	Type	Megs	Taps, Ohms	Taper	No.	Type	Megs	Taps, Ohms	Taper
30 M 879	Q13-118X	15K†	10K	Spec.	30 M 349	Q18-137X	1.0	100K	Spec.
30 M 386	Q13-118XX	15K†	5K/10K	Spec.	30 M 350	Q18-137XX	1.0	250K/.5 Meg.	Spec.
30 M 337	Q18-130X	.25	60K	H	30 M 351	Q19-137X	1 0	.5 Meg.	Spec.
30 M 336	Q13 130X	.25	125K	Spec.	30 M 352	QVC-539X	1 0	.5 meg	Spec.
30 M 340	Q18-132X	.35	75K	H	30 M 391	Q13-138X	1.5	.25 meg	Spec.
30 M 342	Q17-133X	.5	25K	Spec.	30 M 355	Q17-139X	2.0	150K	Spec.
30 M 343	Q18-133X	.5	50K	Spec.	30 M 357	Q18-139XX	2.0	250K/.5 Meg	Spec.
30 M 341	Q13-133X	.5	125K	H	30 M 354	Q13-139XX	2.0	.5Meg/1Meg	Spec.
30 M 344	Q19-133X	.5	250K	Spec.	30 M 353	Q13-139X	2.0	.5 Meg	H
30 M 345	Q18-133XX	.5	100K/200K	Spec.	30 M 356	Q18-139X	2.0	1 Meg	Spec .
30 M 346	Q13 137X	1.0	250K	H	30 M 449	Q18-140X	3.0	1 5 Meg	Spec.

NET EACH..1.32

TYPE 76 ATTACHABLE SWITCHES FOR Q CONTROLS

Blue bakelite enclosure. Easily attached. Type 76-4 is make-one, break-one for TV spot killing. U.L. Approved. Shpg. wt., 2 oz.

30 M 359. Type 76-1. SPST. **NET**
30 M 591. Type 76-2. DPST. **EACH**...41c
30 M 888. Type 76-4. SPDT.

EXPLANATION OF TAPERS

Taper A. Linear.

Taper C. Logarithmic curve for audio circuit control or antenna shunt control.

Taper D. Tapered at both ends to provide control of grid bias and antenna circuit. Used where control of grid bias is of prime importance in controlling gain.

Taper H. Tapped logarithmic curve. Audio level control for bass compensation.

Taper P. Semi-logarithmic curve with reverse taper. For use in contrast and picture control circuits in television.

Taper Q. Same applications as Taper P above, but has slightly steeper curve.

L AND T PAD SPEAKER CONTROLS

Handle 10 watts of audio (3 watts DC). L pad attenuators provide constant input impedance; T pad attenuators provide both constant input and output imped. Dia. 1¼"; depth behind panel, 1⅛" (L Pad) and 1 27/32" (T Pad). ⅞" bushing for mounting on panels up to ¾" thick. With knob. Av. shpg. wt., 6 oz.

No.	Type	Pad	Ohms	EACH	No.	Type	Pad	Ohms	EACH
30 M 880	LP4	L	4	2.73	30 M 884	TP4	T	4	3.09
30 M 881	LP8	L	8		30 M 885	TP8	T	8	
30 M 882	LP15	L	15		30 M 886	TP15	T	15	
30 M 883	LP500	L	500		30 M 887	TP500	T	500	

LOUDNESS CONTROL

Type LC-2. A new, easily installed loudness-type volume control. Permits complete listening pleasure when volume must be kept low. Replaces conventional volume control. Automatically compensates for reduced response of the ear to bass and treble. Maintains depth and brilliance even at whisper level. Eliminates need for makeshift compensating units. Control has 15/16" body dia., ¼x3" shaft, and ¼" bushing. Space required behind panel: 1 7/64" (without switch). Less AC switch (may be used with Types 76-1, 76-2 or 76-4 above). Shpg. wt., 2 oz.

30 M 855. NET....................5.47

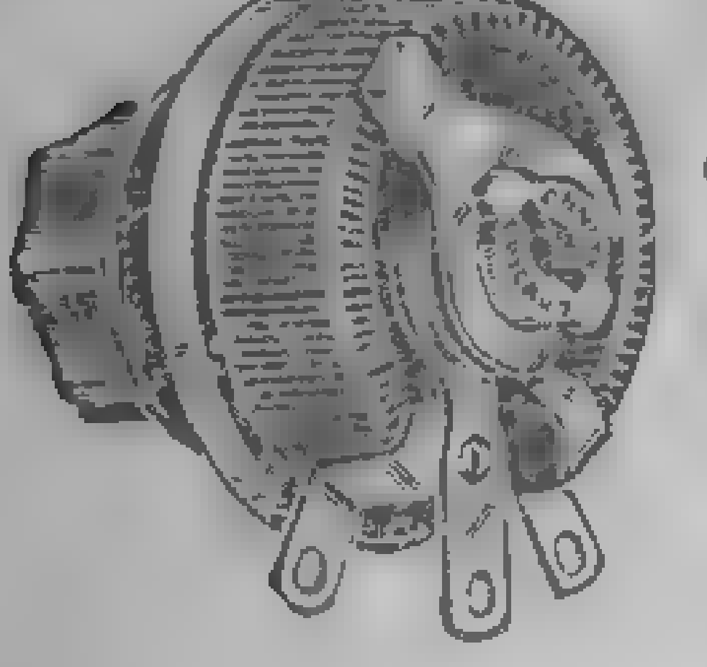
TV SIGNAL ATTENUATOR

Type QJ-3. Economically priced L-pad television signal attenuator. For use with sets having 300-ohm twin line antenna input. Minimizes inter-station interference, definition loss and sound bars caused by excessive signal strength. Diminishes buzz or hum due to high signal level in intercarrier systems. Reduces overloading effects in strong signal area. In many cases, corrects or reduces horizontal or vertical jitters; also picture and sound "break-over." Very useful device to simulate fringe-area signals. A nearly constant 300-ohm load is maintained on antenna lead-in. With mtg. bracket and instructions. ⅞" diameter, 1" deep. Shaft: ¼" diameter, ½" long. Wt., 3 oz.

29 M 915. NET.......... ......2.35

Ohmite Rheostats and "AB" Controls

WIREWOUND RHEOSTATS



Quality wirewound rheostats for smooth, dependable control of industrial and other electronic devices. Wound on solid ceramic cores Each turn, core and base is bonded by vitreous enamel. Pivoted contact brush assures perfect contact. Copper-graphite contact brush, except *silver-graphite contact brush. Ratings are at full setting. Types H, J, K and L mount on panels up to ¼" thick; Type N on panels up to 1¼" thick. Specifications: Type H, dia. 1⁹⁄₁₆", depth behind panel 1⅜"; Type J, dia 2⁵⁄₁₆", depth behind panel 1⅜"; Type K, dia. 3⅛", depth behind panel 1¾"; Type L, dia 4" depth behind panel 2"; Type N, dia. 6", depth behind panel, 2⅜". All are less knobs (listed below Type L). Av. shpg. wt., 10 oz.

25 WATT—TYPE H

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
51 M 700	0140*	1	4.54	51 M 712	0152	125	4.03
51 M 701	0141	2		51 M 713	0153	175	
51 M 702	0142	3		51 M 714	0154	250	
51 M 703	0143	6		51 M 715	0155	350	
51 M 704	0144	8		51 M 716	0156	500	
51 M 705	0145	10		51 M 717	0157	750	4.54
51 M 706	0146	15	4.03	51 M 718	0158	1000	
51 M 707	0147	25		51 M 719	0159	1500	
51 M 708	0148	35		51 M 720	0160	2500	4.80
51 M 709	0149	50		51 M 722	0162	5000	
51 M 710	0150	75					
51 M 711	0151	100					

50 WATT—TYPE J

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
51 M 723	0308*	0.5	5.05	51 M 736	0321	150	4.54
51 M 724	0309*	1		51 M 737	0322	225	
51 M 725	0310*	2		51 M 738	0323	300	
51 M 726	0311	4		51 M 739	0324	500	
51 M 727	0312	6		51 M 740	0325	800	4.80
51 M 728	0313	8	4.54	51 M 741	0326	1000	
51 M 729	0314	12		51 M 742	0327	1600	
51 M 730	0315	16		51 M 743	0328	2500	
51 M 731	0316	22		51 M 744	0329	3500	5.05
51 M 732	0317	35		51 M 745	0330	5000	
51 M 733	0318	50		51 M 746	0331	8000	
51 M 734	0319	80		51 M 747	0332	10,000	
51 M 735	0320	125					

100 WATT—TYPE K

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
51 M 748	0440*	0.5	7.57	51 M 760	0452	200	7.07
51 M 749	0441*	1		51 M 761	0453	300	
51 M 750	0442*	2		51 M 762	0454	400	
51 M 751	0443*	3		51 M 763	0455	500	
51 M 752	0444*	5		51 M 764	0456	750	
51 M 753	0445	7.5		51 M 765	0457	1000	7.57
51 M 754	0446	10		51 M 766	0458	1500	
51 M 755	0447	16	7.07	51 M 767	0459	2000	
51 M 756	0448	25		51 M 768	0460	2500	
51 M 757	0449	50		51 M 769	0461	5000	8.08
51 M 758	0450	75		51 M 770	0462	7500	8.58
51 M 759	0451	100		51 M 771	0463	10 000	9.07

150 WATT—TYPE L

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
51 M 772	0524*	0.5	9.58	51 M 785	0537	150	9.07
51 M 773	0525*	1		51 M 786	0538	200	
51 M 774	0526*	2		51 M 787	0539	250	
51 M 775	0527*	3		51 M 788	0540	350	
51 M 776	0528*	5		51 M 789	0541	500	
51 M 777	0529*	7.5		51 M 790	0542	750	9.58
51 M 778	0530	10		51 M 791	0543	1250	9.58
51 M 779	0531	15		51 M 792	0544	1800	10.09
51 M 780	0532	25	9.07	51 M 793	0545	2250	10.09
51 M 781	0533	35		51 M 794	0546	3000	10.09
51 M 782	0534	50		51 M 795	0547	4500	10.59
51 M 783	0535	75		51 M 796	0548	7500	11.10
51 M 784	0536	100		51 M 797	0549	10,000	12.10

KNOBS FOR RHEOSTATS

Fluted, black bakelite knobs for Ohmite rheostats Av. shpg. wt., 5 oz.

Stock No.	For Rheostat Type	NET EACH	Stock No.	For Rheostat Type	NET EACH
74 M 417	H, J, K, L	.28	74 M 419	E	.28
74 M 418	N	1.14			

300 WATT—TYPE N

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
51 M 798	0650*	1	14.98	51 M 809	0661	100	14
51 M 799	0651*	2		51 M 810	0662	150	
51 M 800	0652*	3		51 M 811	0663	200	
51 M 801	0653*	4		51 M 812	0664	300	
51 M 802	0654*	5		51 M 813	0665	400	
51 M 803	0655*	7.5		51 M 814	0666	700	
51 M 804	0656*	10		51 M 815	0667	900	
51 M 805	0657*	15		51 M 816	0668	1200	
51 M 806	0658	25		51 M 817	0669	1500	
51 M 807	0659	50		51 M 818	0670	1750	
51 M 808	0660	75		51 M 819	0671	2500	

Type 5000 Dial Plate. For Type H, J, K and L. 2³⁄₁₆" diameter somely finished with bright figures and lines on etched black ground 0-100 scale. Shpg. wt., 2 oz.
74 M 405. NET ....

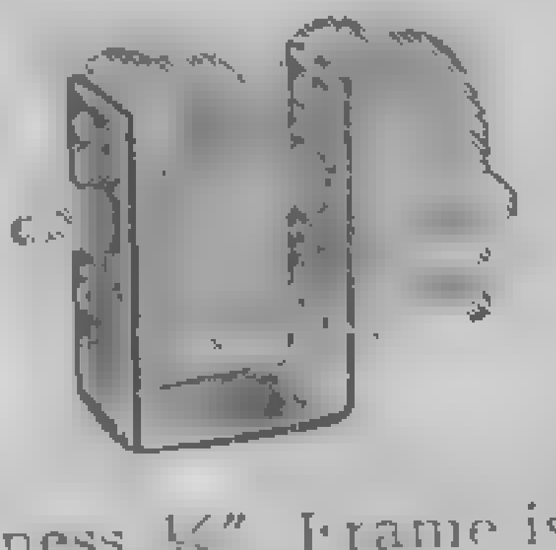
Type 5001 Dial Plate. For Type N. 5½" dia. 0-100. 3 oz.
74 M 407. NET. ....

TYPE E 12½-WATT MINIATURE RHEOST

Extremely compact, 12½-watt power rheostats
ited space applications. Rugged, all ceramic an
construction Built to operate at maximum l
temperature of 340° C. Ideally suited for milit
industrial applications at high ambient tempe
Resistance tolerance is ± 10%. Only ⅞" in di
Require ¹¹⁄₁₆" behind panel. Have ¼" by 32 th
bushing ¼" long ⅛" diameter shaft is ⅜" lon
knobs (below, left) Av. shpg. wt., 2 oz.

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	
51 M 820	0101	1	4.54	51 M 832	0113	125	
51 M 821	0102	2	4.54	51 M 833	0114	175	
51 M 822	0103	3	4.54	51 M 834	0115	250	
51 M 823	0104	6	4.54	51 M 835	0116	350	
51 M 824	0105	8	4.54	51 M 836	0117	500	
51 M 825	0106	10	4.54	51 M 837	0118	750	
51 M 826	0107	15	4.03	51 M 838	0119	1000	
51 M 827	0108	25	4.03	51 M 839	0120	1500	
51 M 828	0109	35	4.03	51 M 840	0121	2500	
51 M 829	0110	50	4.03	51 M 841	0122	3500	
51 M 830	0111	75	4.03	51 M 842	0123	5000	
51 M 831	0112	100	4.03				

TANDEM COUPLING KITS



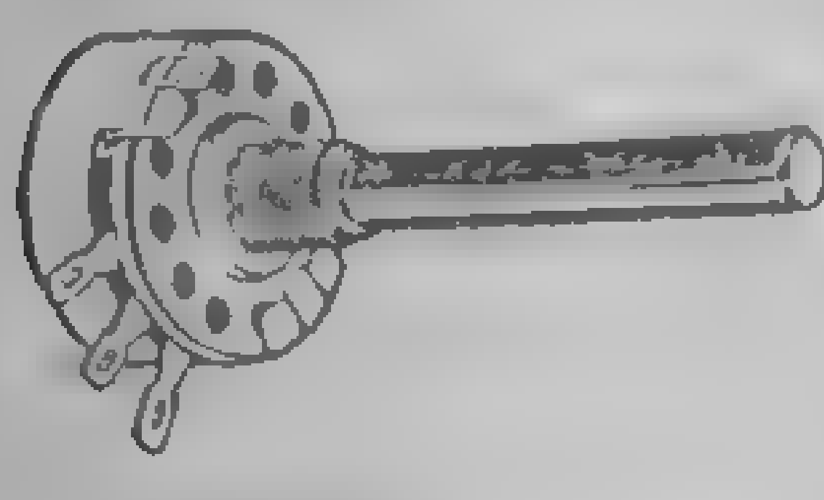
Kits for assembling Ohmite rheostats in t
Each kit consists of a steel "U" frame, mica w
coupling, Allen wrench and complete instr

Type 6533 Tandem Coupling Kit. Large
designed for Type K or L rheostats Will accom
Model H or J in rear position Maximum pan
ness ⅛" Frame is 2⁹⁄₁₆" long, 1¼" wide. Wt., 4 oz.
74 M 409. NET..2

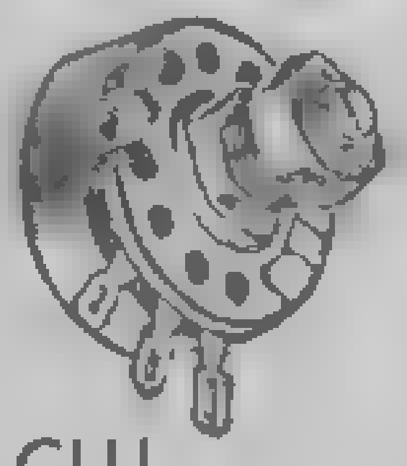
Type 6532 Tandem Coupling Kit. Small frame designed for Ty
or J, and will accommodate Type K or L in the rear position. Max
panel thickness, ⁵⁄₃₂". Frame is 2⁵⁄₃₂" long and 1¼" wide. 5 oz.
74 M 408. NET. ....

Type 6591 Tandem Coupling Kit. Couples two Type E rhe
Max panel thickness ¹⁄₁₆". Frame 1 ⁄₁₆" long and ⁄₄" wide. 5 oz.
28 M 595. NET

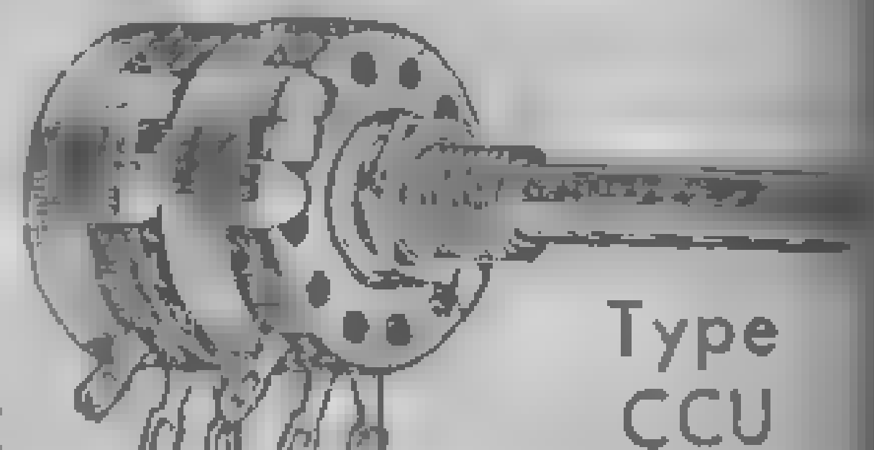
OHMITE "AB" TWO-WATT POTENTIOMETERS



CA, CB, CU



CLU



Type CCU Duals

Resistor element is sealed in a metal enclosure. Carbon sliding contact and molded-in terminals for noise-free operation. Size of units, 1⁵⁄₃₂" dia. x ⅝"; except CCU dual units, 1⁵⁄₃₂" dia. x 1¹⁷⁄₆₄". Mount in ⅜" hole on panels up to ¼" thick. Types CU, CCU, CA and CB have 2" standard ¼" round shafts; CLU has locking nut and slotted shaft for screwdriver adjustment. CU, CCU and CLU types have linear taper; CA types, clockwise logarithmic taper; CB types, counterclockwise logarithmic taper. All have ±10% tolerances, except *±20%. Av. shpg. wt., 5 oz.

TYPES CA, CB, CU

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
28 M 500	CU5001	50	1.91	28 M 511	CU5031	50,000	1.91
28 M 501	CU1011	100		28 M 512	CB5031	50,000	2.20
28 M 596	CU1511	150		28 M 604	CU7531	75,000	1.91
28 M 502	CU2511	250		28 M 513	CU1041	100,000	1.91
28 M 597	CU3511	350		28 M 514	CA1041	100,000	2.20
28 M 503	CU5011	500	1.91	28 M 605	CU1541	150,000	1.91
28 M 598	CU7511	750		28 M 515	CU2541	250,000	1.91
28 M 504	CU1021	1000		28 M 516	CA2541	250,000	2.20
28 M 599	CU1521	1500		28 M 606	CU3541	350,000	1.91
28 M 505	CU2521	2500		28 M 517	CU5041	500,000	1.91
28 M 600	CU3521	3500	1.91	28 M 518	CA5041	500,000	2.20
28 M 506	CU5021	5000	1.91	28 M 607	CU7542	750,000*	1.91
28 M 601	CU7521	7500	1.91	28 M 519	CU1052	1 Meg*	1.91
28 M 507	CU1031	10,000	1.91	28 M 520	CA1052	1 Meg*	2.20
28 M 508	CB1031	10,000	2.20	28 M 608	CU1552	1.5 Meg*	1.91
28 M 602	CU1531	15,000	1.91	28 M 521	CU2552	2.5 Meg*	1.91
28 M 509	CU2531	25,000	1.91	28 M 522	CA2552	2.5 Meg*	2.20
28 M 510	CB2531	25,000	2.20	28 M 609	CU3552	3.5 Meg*	1.91
28 M 603	CU3531	35,000	1.91	28 M 523	CU5052	5 Meg*	1.91

TYPE CLU—WITH LOCKING SHAFT

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	
28 M 525	CLU5001	50	2.50	28 M 533	CLU2531	25,000	2
28 M 526	CLU1011	100		28 M 534	CLU5031	50,000	
28 M 527	CLU2511	250		28 M 535	CLU1041	.1 Meg	
28 M 528	CLU5011	500		28 M 536	CLU2541	.25 Meg	
28 M 529	CLU1021	1000		28 M 537	CLU5041	.5 Meg	
28 M 530	CLU2521	2500		28 M 538	CLU1052	1.0 Meg*	
28 M 531	CLU5021	5000		28 M 539	CLU2552	2.5 Meg*	
28 M 532	CLU1031	10,000		28 M 540	CLU5052	5.0 Meg*	

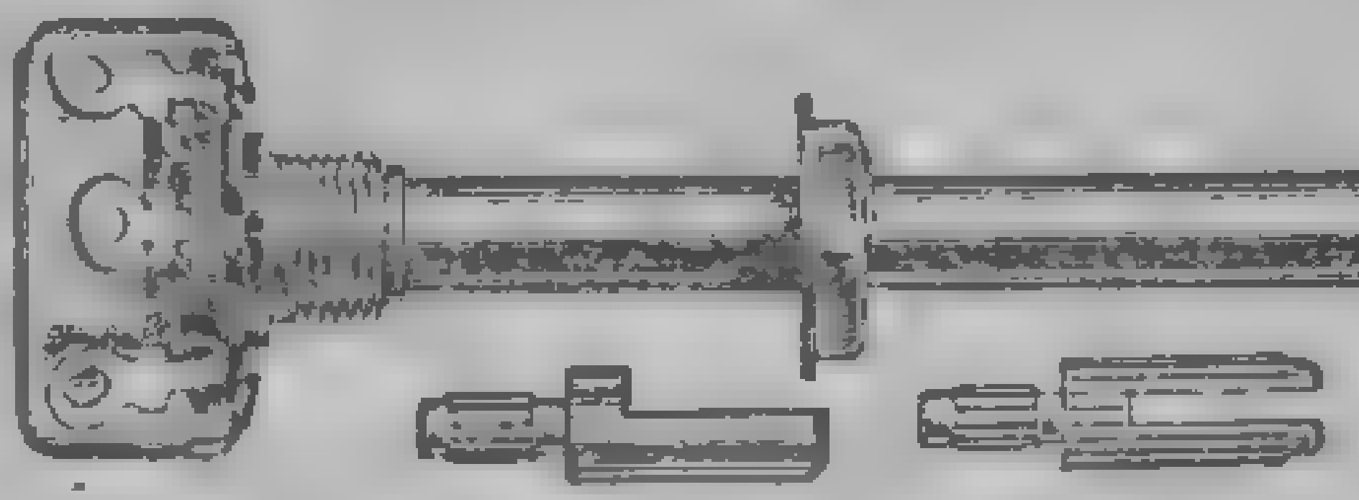
TYPE CCU DUALS

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	
28 M 541	CCU1031	10,000	5.73	28 M 545	CCU2541	250,000	5
28 M 542	CCU2531	25,000		28 M 546	CCU5041	500,000	
28 M 543	CCU5031	50,000		28 M 547	CCU1052	1 Meg*	
28 M 544	CCU1041	100,000					

Type CS-1 SPST Switch. For AB potentiometers. Wt., 3 oz.
28 M 524. NET..6

Include Ohms and Manufacturer's Type Number When Ordering Controls

SERIES U MIDGETROL CONTROLS



o, tone and similar circuits in home re- audio amplifiers, TV sets, and in- electronic equip- Available in a full stances, tapers, ps. Round, hollow easily cut to desired Two spline-shank knob adapters furnished with each Midgetrol stration above. With nut and lock washer. 15⁄16" dia. brass shaft, g. ¼" dia. Less switch (see below). Shpg. wt., 3 oz.

o.	Type	Ohms	Taper*	No.	Type	Ohms	Taper*
714	U-1	100	4	29 M 764	U-36	75K	1
715	U-52R	500	2	29 M 765	U-39	100K	1
709	U-2	500	4	29 M 766	U-40	100K	2
638	U-75IR	750	2	29 M 767	U-41	100K	4
796	U-3	1K	2	29 M 795	U-415	125K	4
785	U-4	1K	4	29 M 768	U-42	150K	1
797	U-5	1500	2	29 M 769	U-43	200K	4
786	U-6	2K	4	29 M 770	U-44	250K	1
798	U-7	2500	2	29 M 771	U-45	250K	2
787	U-8	3K	4	29 M 772	U-46	250K	4
717	U-9	3K	2	29 M 773	U-48	500K	1
751	U-12	5K	1	29 M 774	U-50	500K	4
752	U-14	5K	4	29 M 775	U-51	750K	1
753	U-18	10K	1	29 M 713	U-52	1 Meg	2
754	U-19	10K	2	29 M 776	U-53	1 Meg	1
755	U-20	10K	4	29 M 777	U-54	1 Meg	4
756	U-21	15K	1	29 M 790	U-155	1.5Meg	4
757	U-22	15K	2	29 M 778	U-55	2 Meg	1
758	U-24	20K	1	29 M 781	U-56	2 Meg	4
783	U-26	20K	4	29 M 784	U-255	2.5Meg	4
759	U-28	25K	2	29 M 779	U-57	3 Meg	1
712	U-28A	25K	1	29 M 782	U-59	3 Meg	4
760	U-29	25K	4	29 M 699	U-63	5 Meg	2
698	U-30	30K	4	29 M 780	U-65	5 Meg	1
761	U-33	50K	1	29 M 788	U-67	5 Meg	4
762	U-34	50K	2	29 M 789	U-82	10 Meg	4
763	U-35	50K	4				

....91c

EXPLANATION OF TAPERS*

er No. 1: For use in audio or antenna shunt circuits.
er No. 2: For series circuits or cathode voltage controls.
er No. 4: Linear. For voltage control.

TYPE UT SINGLE-TAPPED MIDGETROLS

as U-types above, but tapped for tone compensation.

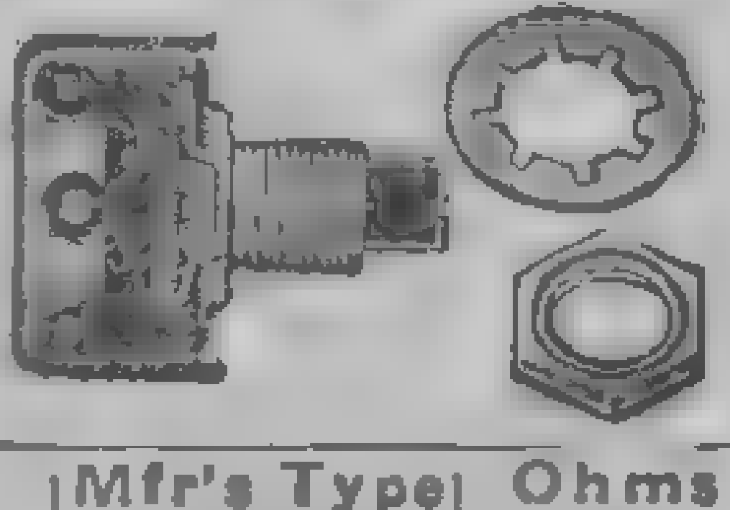
.	Type	Ohms	Tap	No.	Type	Ohms	Tap
718	UT-153	15K	10K	29 M 861	UT-440	1 Meg	200K
535	UT-415	30K	25K	29 M [illegible]62	UT-438	1 Meg	300K
502	UT-420	250K	50K	29 M [illegible]06	UT-443	1 Meg	450K
586	UT-421	250K	150K	29 M [illegible]07	UT-450	2 Meg	125K
503	UT-425	350K	70K	29 M [illegible]	UT-448	2 Meg	250K
816	UT-429	500K	50K	29 M [illegible]09	UT-454	2 Meg	400K
804	UT-427	500K	100K	29 M [illegible]63	UT-449	2 Meg	600K
860	UT-430	500K	150K	29 M [illegible]10	UT-451	2 Meg	900K
805	UT-431	500K	225K	29 M [illegible]17	UT-457	3 Meg	900K

....1.32

TYPE UDT DOUBLE-TAPPED MIDGETROLS

o.	Mfr's Type	Ohms	Taps	EACH
M 988	UDT-283	500K	100K/200K	1.32
M 989	UDT-289	1 Meg	250K/500K	
M 990	UDT-291	1.5 Meg	225K/500K	
991	UDT-295	2.25 Meg	250K/500K	
992	UDT-296	2.25 Meg	500K/1 Meg	
719	UDT-303	3.3 Meg	300K/1.5 Meg	

TYPE SU INSULATED-SHAFT MIDGETROLS FOR TV



and basic construction are the same as trols listed above, except the SU type ol has a ¼" dia., fixed knurled and slotted lic shaft protruding ¼" beyond bushing. exact physical and electrical requirements ecial applications. Linear taper. With hex hpg. wt., 3 oz.

o.	Mfr's Type	Ohms	No.	Mfr's Type	Ohms
M 646	SU-6	1.5K	29 M 814	SU-50	500K
M 647	SU-8	3K	29 M 829	SU-54	1 Meg
M 832	SU-14	5K	29 M 830	SU-56	2 Meg
M 826	SU-20	10K	29 M 833	SU-565	2.5 Meg
M 812	SU-29	25K	29 M 831	SU-59	3 Meg
M 827	SU-35	50K	29 M 815	SU-67	5 Meg
M 813	SU-41	100K	29 M 587	SU-69	7.5 Meg
M 828	SU-46	250K			

....91c

SWITCHES AND ACCESSORIES FOR MIDGETROLS

n-on, stay-on" switches for Midgetrols. Shpg. wt., 2 oz.

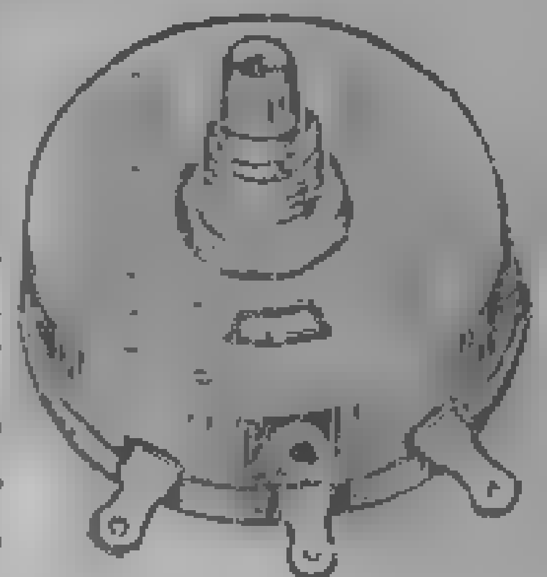
620. **US-26 SPST Switch. NET**..........................41¢
621. **US-26T SPST Switch.** With dummy terminal. **NET**..53¢
622. **US-27 DPST Switch. NET**..........................41¢
M 623. **US-28 SPDT Switch. NET**..........................53¢

M 985. **DS-36 Special 3" Extension Shaft.** For tubular shaft etrols, TV and industrial 2-watt controls, and Type "M" pots. couples front and rear sections together. Shpg. wt., 2 oz. **NET** ...32¢

M 882. **DS-37 3⁄16" Diameter Shaft.** For use with round-shaft Mid- s to accommodate knobs requiring 3⁄16" shaft. Wt., 2 oz. **NET**..32¢

987. **EB-214 Special Bushing.** Dimensions: ½"—28 thread, 23⁄16" with .403" milled flat. Shpg. wt., 2 oz. **NET**................53¢

"M" AND "MT" WIRE WOUND CONTROLS



For industrial and laboratory use as bias controls and voltage dividers. Also for replacement of positioning, hold, focus and other TV-set controls. 4 watts. Arm insulated from shaft. 294° rotation. Knurled ¼" shaft is ⅜" long; has screwdriver slot. "M" shaft is hollow to accept DS-36 and DS-37 shafts (see below, left). MT types center-tapped TV units. 1⅝" dia. x 9⁄16". Mount in ⅜" hole. Linear taper. Shpg. wt., 4 oz.

POTENTIOMETERS

No.	Type	Ohms	EA.	No.	Type	Ohms	EA.
29 M 424	M1PK	1	1.32	29 M 411	M500PK	500	1.32
29 M 425	M3PK	3		29 M 412	M600PK	600	
29 M 426	M6PK	6		29 M 413	M1MPK	1000	1.32
29 M 427	M10PK	10		29 M 431	M1.5MPK	1500	
29 M 428	MT10PK	10	1.29	29 M 414	M2MPK	2000	
29 M 400	M15PK	15	1.32	29 M 432	M2.5MPK	2500	
29 M 401	M20PK	20	1.32	29 M 415	M3MPK	3000	
29 M 429	MT20PK	20	1.29	29 M 416	M4MPK	4000	
29 M 402	M25PK	25	1.32	29 M 417	M5MPK	5000	
29 M 403	M30PK	30		29 M 418	M10MPK	10000	
29 M 430	MT30PK	30		29 M 419	M15MPK	15000	1.44
29 M 404	M40PK	40		29 M 420	M20MPK	20000	
29 M 405	M50PK	50	1.32	29 M 421	M25MPK	25000	
29 M 406	M60PK	60		29 M 422	M50MPK	50000	1.71
29 M 407	M75PK	75		29 M 423	M70MPK	70000	
29 M 408	M100PK	100		29 M 433	M75MPK	75000	2.41
29 M 409	M200PK	200		29 M 434	M100MPK	100000	
29 M 410	M400PK	400					

RHEOSTATS

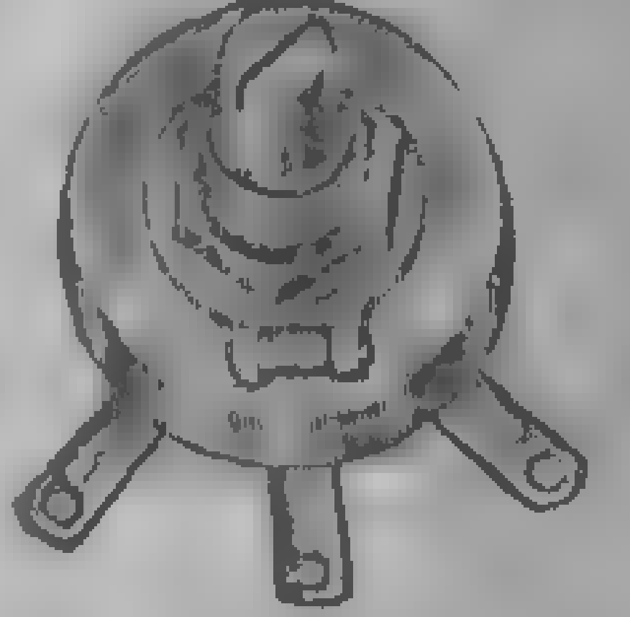
Have open or off position counter-clockwise.

No.	Type	Ohms	Amps	No.	Type	Ohms	Amps
29 M 451	M05RK	½	2.80	29 M 459	M20RK	20	.45
29 M 452	M1RK	1	2.00	29 M 460	M25RK	25	.40
29 M 453	M2RK	2	1.40	29 M 461	M30RK	30	.37
29 M 454	M3RK	3	1.15	29 M 462	M40RK	40	.32
29 M 455	M4RK	4	1.00	29 M 463	M50RK	50	.28
29 M 456	M6RK	6	.82	29 M 464	M60RK	60	.26
29 M 457	M10RK	10	.63	29 M 465	M75RK	75	.23
29 M 458	M15RK	15	.52	29 M 466	M100RK	100	.20

NET EACH...91c

29 M 651. **Type 395 Dial Plate.** For "M" Controls. 2 oz. **NET**.. 21¢

"C" WIREWOUND CONTROLS



Ideal for limited-space applications. Conservatively rated to dissipate 2 watts. Contact arm grounded to shaft. 266° effective electrical rotation. 11⁄16" dia. x 7⁄16" deep. ¼" shaft, slotted 3⁄64" x 1⁄16" deep, extends ⅜" from bushing. Hexagon nut furnished. Use dial plate 34 B 622, listed below. Linear taper. Av. shpg. wt., 4 oz.

POTENTIOMETERS

No.	Type	Ohms	Amps	No.	Type	Ohms	Amps
29 M 720	C6P	6	.58	29 M 725	C40P	40	.22
29 M 721	C10P	10	.45	29 M 726	C50P	50	.2
29 M 722	C15P	15	.37	29 M 727	C100P	100	.14
29 M 723	C20P	20	.32	29 M 728	C200P	200	.1
29 M 724	C30P	30	.26	29 M 729	C400P	400	.07

NET EACH...1.06

29 M 730	C1MP	1000	.045	29 M 731	C3MP	3000	.025

NET EACH...1.18

29 M 732	C5MP	5000	.02	29 M 734	C10MP	10000	.014
29 M 733	C6MP	6000	.018	29 M 735	C15MP	15000	.011

NET EACH...1.44

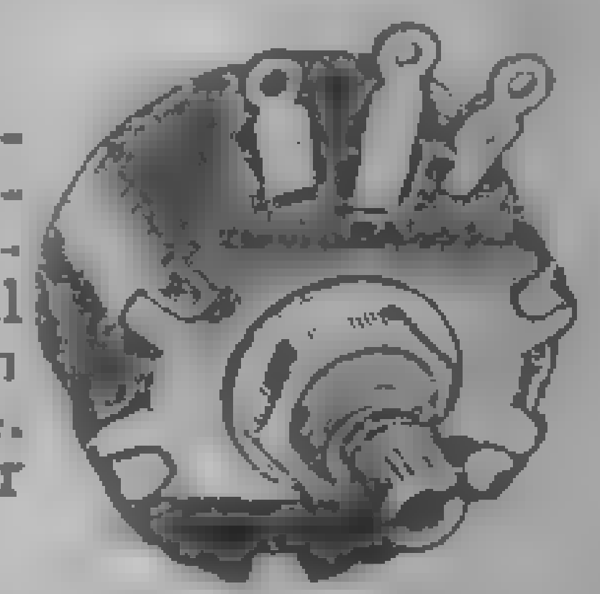
RHEOSTATS

No.	Type	Ohms	Amps	No.	Type	Ohms	Amps
29 M 700	C6R	6	.58	29 M 704	C30R	30	.26
29 M 701	C10R	10	.45	29 M 705	C40R	40	.22
29 M 702	C15R	15	.37	29 M 706	C50R	50	.2
29 M 703	C20R	20	.32	29 M 707	C100R	100	14

NET EACH...91c

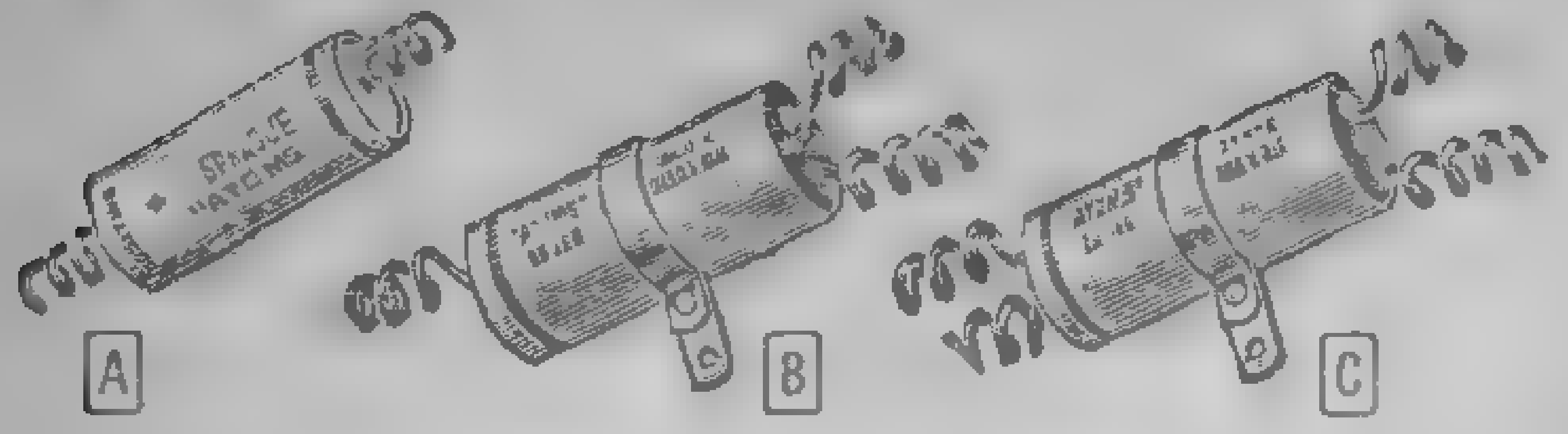
34 B 622. **Type 393 Dial Plate.** For "C" controls. 2 oz. **NET**.....21¢

2-WATT TV AND INDUSTRIAL CONTROLS



Two-watt wirewound potentiometers designed especially for replacement of television controls. Also excellent for use as voltage dividers and bias controls. Insulated contact arm type, linear taper. Special dual contactor mechanism. 900 volts AC insulation between resistance element and chassis. 297° rotation. Taper 4. 125⁄64" in diameter. Knurled stub shaft has screwdriver slot. *Center-tapped. ⅜" bushing. Shpg. wt., 4 oz.

No.	Type	Ohms	NET	No.	Type	Ohms	NET
29 M 835	R20L	20	.91	29 M 842	R1000L	1000	.91
29 M 836	R20CT*	20	1.29	29 M 843	R1500L	1500	.91
29 M 837	R25L	25	.91	29 M 844	R2500L	2500	.91
29 M 838	R30L	30	.91	29 M 846	R3000L	3000	.91
29 M 839	R30CT*	30	1.29	29 M 845	R5000L	5000	.91
29 M 840	R50L	50	.91	29 M 692	R7500L	7500	1.06
29 M 864	R100L	100	.91	29 M 693	R10ML	10,000	1.06
29 M 841	R250L	250	.91	29 M 694	R15ML	15,000	1.06
29 M 834	R500L	500	.91	29 M 695	R20ML	20,000	1.06



TVA AND TU ATOMS—MIDGET ELECTROLYTICS

Very compact, metal-cased dry electrolytics. Engineered especially for replacements in tough TV applications—such as power supplies, decoupling circuits, cathode bypass circuits, etc. Will withstand the high surge voltages and high ripple currents commonly found in television circuits. Very low leakage. Operate efficiently at temperatures as high as 85°C. *Separate negative lead. Av. shpg. wt., 6 oz.

A SINGLE SECTION

Stock No.	Type	Mfd	DCWV	Size	NET
16 L 249	TVA-1962	8	600	1x3 1/16"	2.32
16 L 256	TVA-1963	10	600	1x3 1/16"	2.78
16 L 257	TVA-1965	16	600	1x3 1/16"	3.18
16 L 258	TVA-1966	20	600	1x3 1/16"	3.28
15 L 175	TVA-1902	8	500	⅞x1 11/16"	1.04
15 L 176	TVA-1905	16	500	15/16x2 3/16"	1.20
15 L 177	TVA-1906	20	500	1x2 3/16"	1.26
16 L 613	TVA-1802	10	475	¾x1 15/16"	1.08
16 L 614	TVA-1804	20	475	⅞x2 7/16"	1.26
16 L 615	TVA-1701	2	450	7/16x1⅝"	.88
15 L 170	TVA-1702	4	450	9/16x1 11/16"	.91
15 L 171	TVA 1704	8	450	11/16x1 11/16"	1.01
15 L 225	TVA-1705	10	450	11/16x1 11/16"	1.01
15 L 172	TVA-1706	12	450	¾x1 11/16"	1.09
15 L 173	TVA-1708	16	450	¾x2 3/16"	1.15
15 L 174	TVA-1709	20	450	¾x2 3/16"	1.23
15 L 169	TVA-1711	30	450	⅞x2 3/16"	1.36
15 L 178	TVA-1712	40	450	⅞x2 11/16"	1.41
15 L 991	TVA-1713	50	450	⅞x3 3/16"	1.66
16 L 248	TVA-1714	60	450	1x3 11/16"	1.96
15 L 985	TVA-1716	80	450	1x3 11/16"	2.48
16 L 616	TVA-1601	4	350	½x1⅝"	.82
15 L 181	TVA-1603	8	350	⅝x1 11/16"	.94
15 L 184	TVA-1608	20	350	13/16x1 11/16"	1.15
15 L 983	TVA-1611	40	350	⅞x2 7/16"	1.35
15 L 984	TVA-1613	60	350	1x2 7/16"	1.55
16 L 247	TVA-1575	140	300	1⅜x3⅜"	2.34
15 L 185	TVA-1501	4	250	7/16x1⅝"	.81
15 L 186	TVA-1503	8	250	½x1⅝"	.91
16 L 617	TVA-1504	10	250	9/16x1 11/16"	.94
15 L 187	TVA-1505	12	250	9/16x1 11/16"	.97
15 L 188	TVA-1507	16	250	⅝x1 11/16"	.94
15 L 189	TVA-1508	20	250	11/16x1 11/16"	1.09
16 L 618	TVA-1510	30	250	11/16x2 3/16"	1.16
15 L 190	TVA-1511	40	250	¼x2 3/16"	1.24
16 L 246	TVA-1480	200	200	1⅜x3⅜"	2.12
15 L 192	TVA-1402	4	150	⅜x1¼"	.72
15 L 193	TVA-1405	8	150	⅜x1¼"	.75
15 L 226	TVA-1406	10	150	⅜x1¾"	.77
15 L 194	TVA-1407	12	150	½x1⅝"	.73
15 L 195	TVA-1409	16	150	9/16x1 11/16"	.83
16 L 241	TVA-1403	5	150	⅜x1¼"	.73
15 L 196	TVA-1410	20	150	9/16x1 11/16"	.85
16 L 242	TVA-1411	25	150	⅝x1 11/16"	.90
15 L 197	TVA-1412	30	150	⅝x1 11/16"	.93
15 L 198	TVA-1413	40	150	¾x1 11/16"	.98
15 L 199	TVA-1414	50	150	13/16x1 11/16"	1.02
16 L 243	TVA-1415	60	150	⅞x1 11/16"	1.08
15 L 878	TVA-1418	80	150	⅞x1 15/16"	1.17
16 L 619	TVA-1420	100	150	⅞x2 3/16"	1.26
16 L 240	TVA-1422	150	150	1x2 3/16"	1.38
16 L 244	TVA-1423	200	150	1x3 13/16"	1.57
16 L 245	TVA-1425	300	150	1⅜x3⅞"	2.12
15 L 870	TVA-1300	1	50	⅜x1¼"	.66
15 L 871	TVA-1301	2	50	⅜x1¼"	.66
15 L 200	TVA-1303	5	50	⅜x1¼"	.70
15 L 201	TVA-1304	10	50	⅜x1¼"	
15 L 202	TVA-1306	25	50	7/16x1⅜"	
15 L 203	TVA-1308	50	50	9/16x1 11/16"	
15 L 876	TVA-1310	100	50	¾x1 11/16"	
15 L 858	TVA-1311	150	50	¾x1 11/16"	
15 L 859	TVA-1312	250	50	15/16x1 11/16"	
15 L 207	TVA-1203	5	25	⅜x1¼"	
15 L 205	TVA-1204	10	25	⅜x1¼"	
15 L 206	TVA-1205	25	25	⅜x1¼"	
15 L 208	TVA-1206	50	25	9/16x1 3/16"	
15 L 867	TVA-1207	100	25	9/16x1 11/16"	
15 L 868	TVA-1208	250	25	¾x1 11/16"	
15 L 869	TVA-1209	500	25	⅞x2 3/16"	
16 L 236	TVA-1160	100	15	⅝x1 3/16"	
16 L 237	TVA-1161	250	15	⅝x1 11/16"	
16 L 238	TVA-1162	500	15	11/16x2 3/16"	
16 L 239	TVA-1163	1000	15	⅞x2 3/16"	
16 L 234	TVA-1130	100	12	9/16x1 3/16"	
15 L 862	TVA-1131	250	12	⅝x1 11/16"	
15 L 863	TVA-1132	500	12	¾x1 11/16"	
16 L 235	TVA-1133	1000	12	13/16x2 3/16"	
15 L 981	TVA-1100	50	6	⅜x1¼"	
16 L 230	TVA-1101	100	6	½x1⅛"	
16 L 231	TVA-1102	250	6	⅝x1 7/16"	
16 L 232	TVA-1103	500	6	⅝x2 3/16"	
15 L 860	TVA-1104	1000	6	11/16x2 3/16"	
16 L 233	TVA-1105	1500	6	13/16x2 11/16"	
15 L 861	TVA-1106	2000	6	13/16x2 15/16"	

B DUAL SECTION

Stock No.	Type	Mfd	WVDC	Size	NET
15 L 220	TVA-2720	8 8	450	⅞x1 11/16"	1.50
15 L 221	TU-88	*8-8	450	1 1/16x3⅜"	1.51
15 L 222	TVA 2725	16 8	450	⅞x2 3/16"	1.67
15 L 884	TVA-2722	10-10	450	⅞x1 15/16"	1.57
15 L 215	TU-1616	*16-16	450	1⅜x3⅜"	1.86
15 L 227	TVA-2730	20 20	450	⅞x2 15/16"	2.01
15 L 986	TVA-2735	30-30	450	1x3 3/16"	2.47
15 L 987	TVA-2740	40-40	450	1x3 15/16"	3.05
16 L 264	TVA-2535	120-80	250	1⅜x3⅞"	2.65
15 L 245	TVA 2415	8 8	150	⅞x1 7/16"	1.26
15 L 254	TVA-2420	16-16	150	⅞x1 7/16"	1.32
15 L 247	TVA-2428	20-20	150	⅞x1 7/16"	1.35
15 L 248	TU-220	*20-20	150	1x2⅝"	1.34
15 L 253	TVA-2421	30-20	150	⅞x1 11/16"	1.39
15 L 252	TVA-2438	40-20	150	⅞x1 11/16"	1.42
15 L 251	TVA-2434	30-30	150	⅞x1 11/16"	1.44
15 L 249	TU-420	*40-20	150	1 1/16x2⅝"	1.41
15 L 250	TVA-2442	40-30	150	⅞x1 15/16"	1.47
15 L 243	TVA-2445	40-40	150	⅞x1 15/16"	1.50
15 L 244	TVA 2450	50-30	150	⅞x1 15/16"	1.50
15 L 305	TVA-2453	50-50	150	⅞x2 7/16"	1.57
15 L 306	TVA-2460	80-30	150	⅞x2 7/16"	1.60
16 L 259	TVA-2462	80-50	150	⅞x2 15/16"	1.68
16 L 262	TVA-2464	100-100	150	1⅜x3⅜"	1.89
16 L 263	TVA-2467	200 5	150	1x3⅞"	1.98
15 L 255	TVA-2315	10-10	50	⅞x1 7/16"	1.24

C TRIPLE SECTION

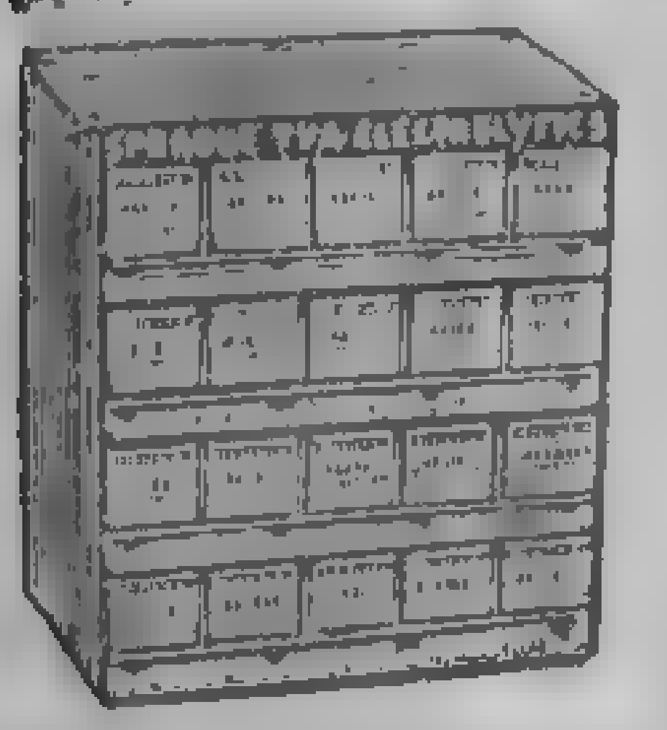
Stock No.	Mfr's Type	Mfd	WVDC	Size
15 L 307	TVA-3440	20-20-20	150	⅞x1 11/16"
15 L 308	TVA-3448	40-30-20	150	⅞x2 3/16"
15 L 309	TVA-3451	40-40-40	150	1x2 7/16"
15 L 327	TVA-3455	80-40-20	150	1x2 15/16"
15 L 989	TVA-3419	30 30 100	150 12	⅞x1 15/16"
15 L 988	TVA-3415	20-20-20	150-150-25	⅞x1 7/16"
15 L 312	TVA-3423	40-30-20	150-150-25	⅞x1 15/16"
15 L 328	TVA-3427	40-40-100	150-150-25	⅞x2 7/16"
15 L 313	TVA-3430	50-30-20	150-150-25	⅞x2 3/16"
15 L 329	TVA-3433	50-30-200	150-150-25	1x2 3/16"
15 L 314	TVA-3436	50-50-20	150-150-25	15/16x2 3/16"
16 L 283	TVA-3712	5-80-40	450-400-400	1⅜x4⅛"
15 L 990	TVA-3716	12 12 20	450 450 25	1x1 15/16"

QUADRUPLE SECTION

Not illustrated.

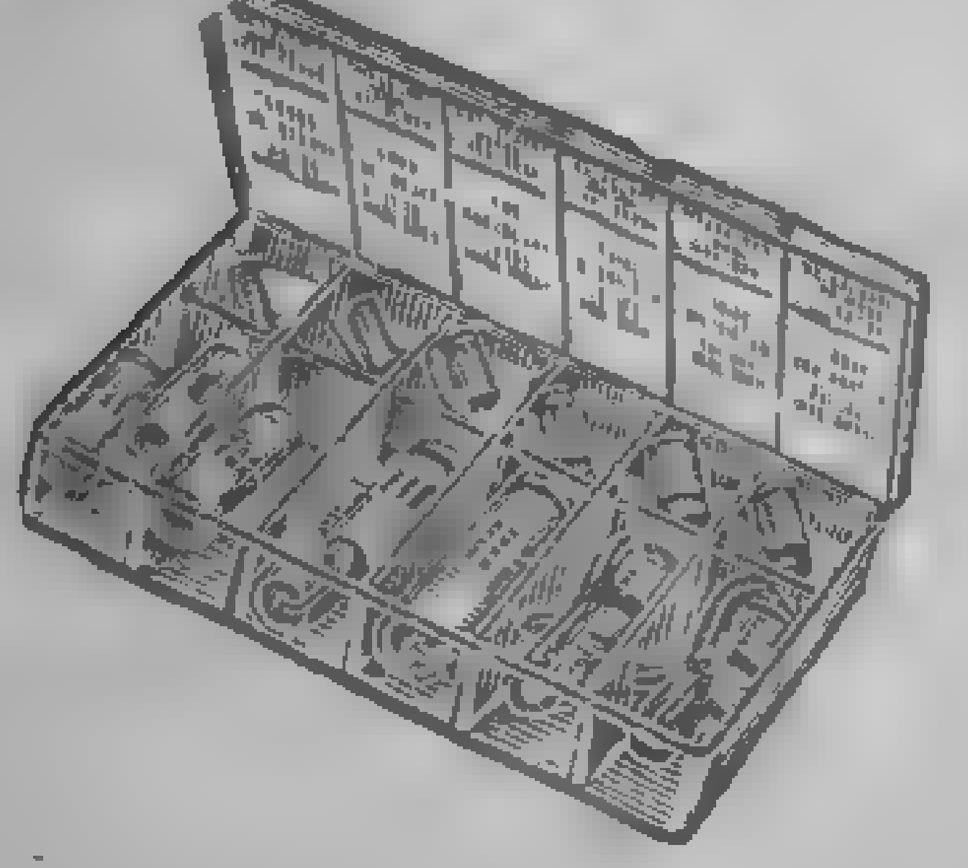
Stock No.	Mfr's Type	Mfd	WVDC	Size
16 L 284	TVA-4576	140-5-200-30	300-300-200-150	1⅜x4⅞"
16 L 285	TVA-4584	120 40 40 10	300-300-300-250	1⅜x4⅝"
16 L 287	TVA-4618	80-60-40-20	350-350-300-150	1½x4⅝"
16 L 288	TVA-4659	80-10-40-100	400 400-300-50	1⅜x4⅛"
16 L 289	TVA-4705	10-80-40-100	450-300-250-50	1⅜x4⅛"
15 L 856	TVA-4750	40-40-20-20	450	1½x4¼"

ATOM CAPACITOR KITS



SK-106. A kit of Atom electrolytic capacitors. An excellent investment for the hobbyist, experimenter, Ham, etc. Contains one each of the following TVA types of capacitors (listed above): #1205, 1207, 1303, 1304, 1306, 1308, 1310, 1410, 1422, 1704, 1705, 1708, 1709, 1711, 1712, 1713, 1716, 2428, 2450, 2453. Supplied in sturdy, compartmented welded metal inventory cabinet, at no extra charge. Open in front to allow easy access to all capacitors. Compact cabinet easily fits any work bench. Size, 9½x10¾x5¼". Wt., 5 lbs.

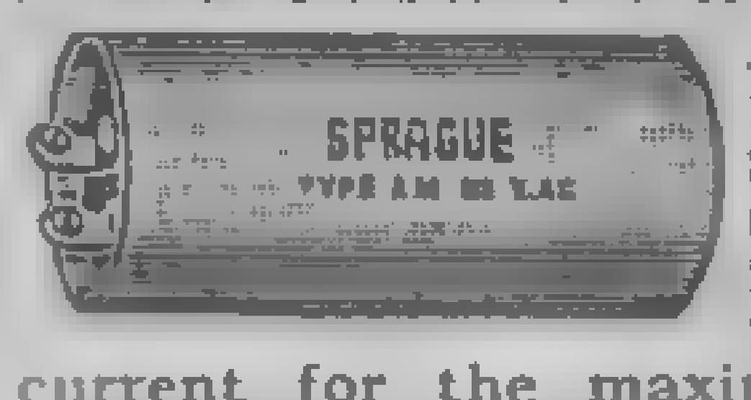
58 L 514. NET.................. 18.05



EK-1. A kit of Atom electrolytic capacitors consisting of the following TVA types of capacitors (listed above): 1 ea.—#1205, 1303, 1304, 1410, 1704, 1711, 1716, 2450, 2453, 2 ea.—#1705, 1709, 1712. Capacitors are small in size; rated 80° C. or 185° F. Supplied in crystal-clear compartmented plastic case. Each capacitor immediately accessible. Case size, 7x11x1¾". Shpg. wt., 2 lbs.

58 L 516. NET.................. 13.70

AM MOTOR STARTING CAPACITORS



An electrolytic capacitor designed especially for 110 volt capacitor-start AC motors. Carefully engineered to pass the correct amount of current for the maximum possible starting torque. In tightly sealed aluminum cans with insulating outer cardboard tubes for high efficiency and dependability. Provided with lug terminals for quick, easy installation. Screws are removable for solder connections if desired. When in question as to proper size, it is always safer to choose the next larger value of capacitance. *Minimum-maximum capacitance values replaceable with these units. Av. shpg. wt., 10 oz.

Stock No.	Mfr's Type	*Mfd	Size	NET EACH
15 L 579	1106	47-56	1x2⅛"	1.23
15 L 580	1107	53-64	1x2⅛"	1.26
15 L 581	1108	64-77	1x2⅛"	1.32
15 L 582	1109	72-88	1x2⅝"	1.35
15 L 583	1110	88-108	1x2⅝"	1.53
15 L 584	1113	108-130	1⅜x2⅝"	1.68
15 L 585	1116	124-149	1⅜x2⅝"	1.73
15 L 586	1119	130-156	1⅜x2⅝"	1.73
15 L 587	1122	145-175	1⅜x2⅝"	1.88
15 L 588	1125	161-193	1⅜x2⅝"	1.91
15 L 570	1128	189-227	1⅜x2⅝"	2.20
15 L 571	1130	200 240	1⅜x3⅛"	2.29
15 L 572	1131	216-259	1⅜x3⅛"	2.38
15 L 573	1134	233-280	1⅜x3⅛"	2.65
15 L 574	1137	243-292	1⅜x4⅛"	2.76
15 L 575	1140	270-324	1⅜x4⅛"	2.79
15 L 576	1142	324-388	1⅜x4⅛"	3.18
15 L 577	1143	340-408	1⅜x4⅛"	3.26
15 L 589	1146	378-440	1⅜x4⅛"	3.53
15 L 578	1149	400-480	1¾x4⅛"	3.56

VL VERTI-LYTIC ELECTROLYTICS

A selection of top-q
electrolytic cap
especially designed
placement of units o
type found on p
wiring boards in o
equipment. These rugged, extremely
capacitors feature low leakage curren
unusually long shelf life. Resin end w
contaminate electrolyte; also protects a
drying or entrance of external moistu
units are housed in sturdy, pre-molded ph
cases. Contact design makes it virtually i
sible to incorrectly install these capa
negative lead is easily identified by its
diameter. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	MFD	WVDC	Size
16 L 676	VL-1302	3	50	⅜x¾"
16 L 677	VL-1303	4	50	⅜x¾"
16 L 678	VL-1304	5	50	⅜x¾"
16 L 679	VL-1307	10	50	⅜x⅞"
16 L 680	VL-1309	20	50	7/16x⅞"
16 L 681	VL-1310	25	50	½x⅞"
16 L 682	VL-1210	25	25	⅜x⅞"
16 L 683	VL-1212	35	25	7/16x⅞"
16 L 684	VL-1215	50	25	½x⅞"
16 L 685	VL-1167	10	15	⅜x¾"
16 L 686	VL-1169	20	15	⅜x¾"
16 L 687	VL-1174	50	15	7/16x⅞"
16 L 688	VL-1180	90	15	½x⅞"
16 L 689	VL-1084	5	6	⅜x¾"
16 L 690	VL-1087	10	6	⅜x¾"
16 L 691	VL-1092	35	6	⅜x¾"
16 L 692	VL-1100	100	6	7/16x⅞"
16 L 693	VL-1038	10	3	⅜x¾"
16 L 694	VL-1045	50	3	⅜x¾"
16 L 695	VL-1059	200	3	7/16x⅞"
16 L 696	VL-1067	290	3	½x⅞"

TYPE EP PAPER MIDGETS

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ket
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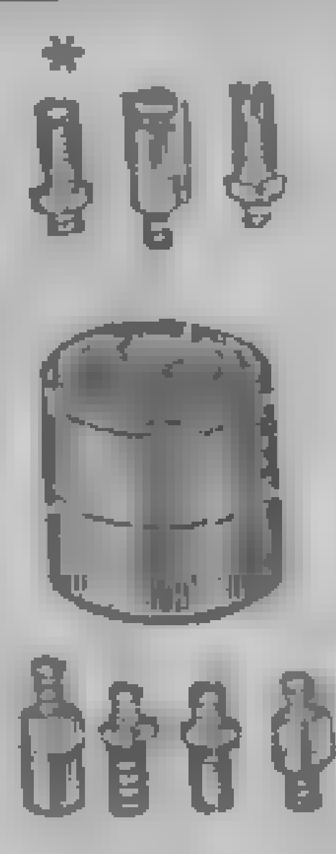
elec-
mblies
igh temperature performance with
e. For 105° C operation with no
ing. Av. shpg. wt., 2 oz.

Type	Mfd	W.V.	Size	EA.
EP D10	.001	600	1/4x11/16"	21c
EP-D20	.002	600	1/4x11/16"	
EP-D30	.003	600	9/32x11/16"	
EP-D40	.004	600	9/32x13/16"	
EP D50	.005	600	9/32x13/16"	24¢
EP-D60	.006	600	5/16x13/16"	24¢
EP-D80	.008	600	5/16x1"	24¢
EP-S10	.01	600	5/16x1"	26¢
EP-S20	.02	600	11/32x1"	29¢
EP-S50	.05	600	15/32x1 1/8"	32¢
EP P10	.1	600	5/8x1 1/8"	41¢
EP-P20	.2	600	3/8x1 11/16"	47¢
EP-P25	.25	600	5/8x2"	47¢
4EP-D10	.001	400	1/4x11/16"	21¢
4EP-D30	.003	400	1/4x11/16"	21¢
4EP-D40	.004	400	1/4x11/16"	21¢
4EP-D50	.005	400	1/4x13/16"	21¢
4EP-D60	.006	400	1/4x13/16"	21¢
4EP S10	.01	400	5/16x13/16"	24¢
4EP-S20	.02	400	5/16x1"	26¢
4EP-S50	.05	400	13/32x1"	29¢
4EP-P10	.1	400	15/32x1 1/8"	38¢
4EP-P20	.2	400	5/8x1 1/8"	41¢
4EP-P25	.25	400	5/8x1 3/8"	44¢
4EP-P50	.5	400	5/8x2 3/16"	50¢
2EP-D50	.005	200	1/4x11/16"	21¢
2EP S10	.01	200	9/32x11/16"	24¢
2EP-S20	.02	200	9/32x11/16"	26¢
2EP-S50	.05	200	5/16x1"	29¢
2EP-P10	.1	200	13/32x1"	35¢
2EP-P20	.2	200	15/32x1 1/8"	38¢
2EP-P25	.25	200	17/32x1 1/8"	41¢
2EP-P50	.5	200	5/8x1 3/8"	47¢
1EP P25	.25	100	15/32x1 1/8"	41¢
1EP P50	.5	100	5/8x1 3/8"	47¢

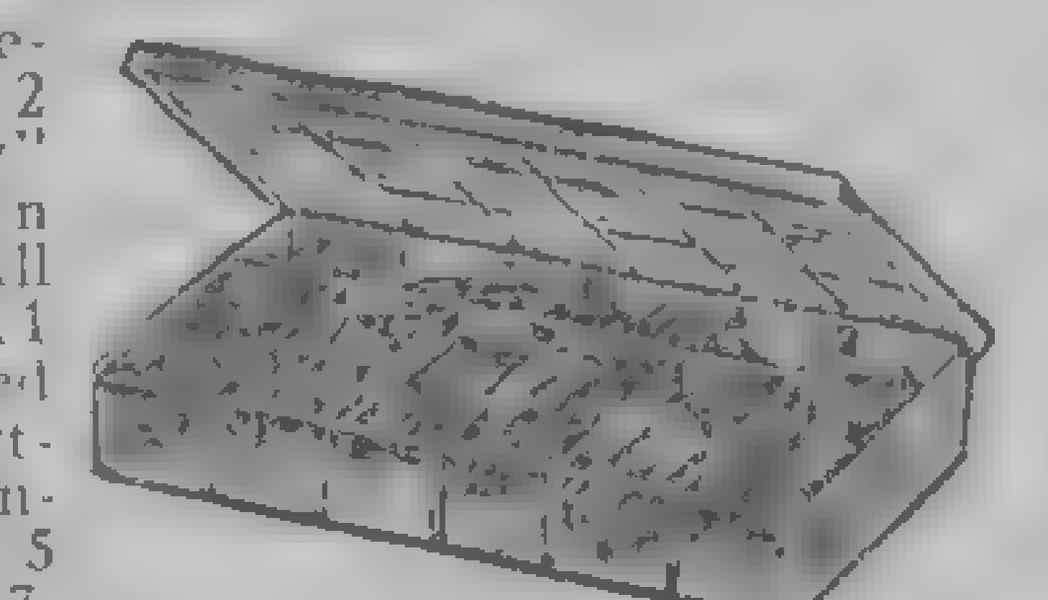
KNOB CAPACITORS



e, 500-mmf plastic
or replacement use in
TV sets. Moisture-
ermosetting molded
led guard rings in-
e leakage path. Ca-
ly has threaded ends
take a wide variety of
terminals. The 20DK-
pplied with 14 terminals
type illustrated). Type
with only 2 terminals of
ted by * Wt., 4 oz.

Type	KV Rating	Dia. x Length	NET
DK-T5	20	1x31/32"	2.17 /pr.
30DK-T5	30	1 5/16x1 1/4"	1.76 /ea.

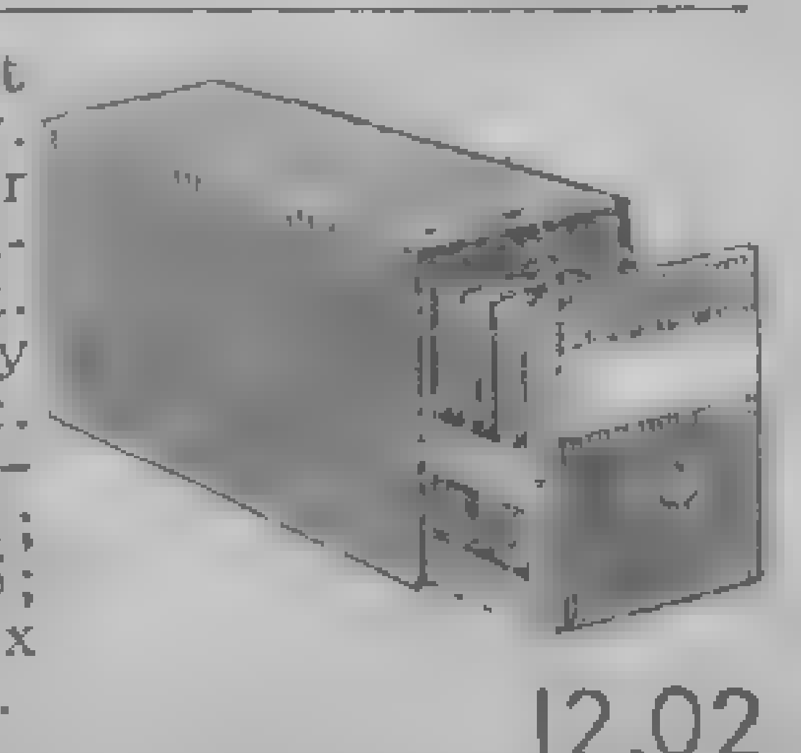
BLACK BEAUTY CAPACITOR KITS



t. A se-
of 72
auty"
rs in
All
-11
used
part-
con-
01, 5
— .0047,
5— .01,
— .03, 5 —.047, 12 — .05, 8—.1, and
6 1/2x2". Wt., 2 1/2 lbs.
. NET........................14.17

t. Contains 36 buffer capacitors in
st popular ratings. Packed in clear
ntory case. All are 1600 WVDC.
2 — .001, 2— .002, 2—.003, 4—.004,
4— .006, 2— .0068, 5—.007, 4— .008,
— .02, and 2—.03. Size, 11x6 1/2x2".
2 1/2 lbs.
. NET........................13.96

t. Assortment
6TM 600 v.
in 9 popular
pplied in sin-
steel cabinet.
e individually
in plastic.
5 — .001; 5—
— .005; 10— .01;
— .03; 15— .05;
— .25. 4 1/2x3 1/2x
Wt., 5 lbs.
45. NET........................12.02



t. 2-drawer cabinet with 119 Type
tors. Contains: 10— .001; 10—.002;
5 — .005, 25—.01; 10— .02, 5—.03; 20
— .1; 4 — .25. 4 3/8x7x9 1/4". 10 lbs.
46. NET........................23.05

"BLACK BEAUTY" TELECAPS

Hi-temp molded plastic cased tubulars. Highly resistant to heat and moisture; ruggedly built; completely insulated. Features special "DIFILM" ("Mylar" paper) type dielectric. 200 to 1000 v. types operate to 105° C; 1600 v. and up types, operate to 85° C. 1600-6000 v. types are oil impregnated. All are ±10% tolerance. Av. shpg. wt., 3 oz.

200 VOLTS DC WORKING

No.	Type	Mfd	Size	EA.
15 L 120	2TM-S2	.02	3/8x1 1/4"	.20
15 L 149	2TM-S47	.047	7/16x1 1/4"	.20
15 L 121	2TM-S5	.05	7/16x1 1/4"	.23
15 L 122	2TM-P1	.1	1/2x1 1/2"	.24
15 L 145	2TM-P15	.15	1/2x1 1/2"	.27
15 L 146	2TM-P22	.22	5/8x1 7/8"	.35
15 L 147	2TM-P25	.25	5/8x1 7/8"	.36
15 L 148	2TM-P47	.47	3/4x2 1/4"	.67
15 L 123	2TM-P5	.5	3/4x2 1/4"	.73
15 L 124	2TM-M1	1.0	3/4x2 1/4"	.91

400 VOLTS DC WORKING

No.	Type	Mfd	Size	EA.
15 L 125	4TM-S1	.01	3/8x1 1/4"	.19
15 L 126	4TM-S2	.02	3/8x1 1/4"	.20
15 L 013	4TM-S22	.022	3/8x1 1/4"	.20
15 L 014	4TM-S47	.047	7/16x1 1/4"	.22
15 L 127	4TM-S5	.05	1/2x1 1/2"	.24
15 L 015	4TM-S68	.068	1/2x1 1/2"	.24
15 L 128	4TM-P1	.1	1/2x1 1/2"	.26
15 L 011	4TM-P15	.15	5/8x1 7/8"	.35
15 L 521	4TM-P2	.2	5/8x1 7/8"	.38
15 L 012	4TM-P22	.22	5/8x1 7/8"	.38
15 L 129	4TM-P25	.25	3/4x2 1/4"	.56
15 L 010	4TM-P5	.5	3/4x2 1/4"	.73

600 VOLTS DC WORKING

No.	Type	Mfd	Size	EA.
16 L 250	6TM-T1	.0001	5/16x1"	.18
16 L 251	6TM-T25	.00025		.18
16 L 252	6TM-T4	.0004		.19
16 L 253	6TM-T5	.0005		.19
15 L 070	6TM D1	.001		.18
15 L 084	6TM-D15	.0015	5/16x1"	.18
15 L 071	6TM-D2	.002		.18
15 L 092	6TM D22	.0022		.18
15 L 072	6TM-D3	.003		.19
15 L 522	6TM-D33	.0033		.19
15 L 073	6TM D4	.004	3/8x1 1/4"	.19
15 L 093	6TM D47	.0047		.19
15 L 074	6TM-D5	.005		.19
15 L 075	6TM-D6	.006		.20
16 L 254	6TM D68	.0068	3/8x1 1/4"	.20
15 L 523	6TM-D8	.008	3/8x1 1/4"	.21
15 L 076	6TM-S1	.01	3/8x1 1/4"	.21
15 L 094	6TM-S15	.015	3/8x1 1/4"	.21
15 L 077	6TM-S2	.02	7/16x1 1/4"	.22
16 L 255	6TM-S22	.022	7/16x1 1/4"	.22
15 L 078	6TM-S3	.03	7/16x1 1/4"	.24
15 L 526	6TM-S33	.033	7/16x1 1/4"	.24
15 L 079	6TM-S4	.04	1/2x1 1/2"	.25
15 L 098	6TM-S47	.047	1/2x1 1/2"	.25
15 L 080	6TM-S5	.05	1/2x1 1/2"	.28
15 L 081	6TM-S6	.06	1/2x1 1/2"	.28
15 L 082	6TM-P1	.1	5/8x1 7/8"	.34
15 L 524	6TM-P15	.15	5/8x1 7/8"	.47
15 L 525	6TM P2	.2	3/4x2 1/4"	.65

600 VOLTS DC WORKING (CONT'D)

No.	Type	Mfd	Size	EA.
15 L 083	6TM-P25	.25	3/4x2 1/4"	.85
16 L 260	6TM-P5	.5	1x2 1/2"	1.14
16 L 261	6TM-M1	1.0	1x2 1/2"	1.51

1000 VOLTS DC WORKING

No.	Type	Mfd	Size	EA.
15 L 928	10TM-T5	.0005	5/16x1"	.23
15 L 929	10TM-D1	.001	5/16x1"	.23
15 L 930	10TM-D15	.0015	5/16x1"	.23
15 L 931	10TM-D2	.002	3/8x1 1/4"	.24
15 L 932	10TM-D22	.0022	3/8x1 1/4"	.24
15 L 933	10TM-D3	.003	3/8x1 1/4"	.24
15 L 936	10TM-D5	.005	3/8x1 1/4"	.24
15 L 937	10TM-D68	.0068	3/8x1 1/4"	.25
15 L 938	10TM-S1	.01	7/16x1 1/4"	.26
15 L 939	10TM-S15	.015	1/2x1 1/2"	.29
15 L 940	10TM S2	.02	1/2x1 1/2"	.35
15 L 941	10TM-S22	.022	1/2x1 1/2"	.35
15 L 942	10TM-S3	.03	5/8x1 7/8"	.38
15 L 943	10TM-S35	.035	5/8x1 7/8"	.40
15 L 944	10TM-S47	.047	5/8x1 7/8"	.41
15 L 945	10TM-S5	.05	5/8x1 7/8"	.44
15 L 946	10TM-S68	.068	5/8x1 7/8"	.46
15 L 947	10TM-P1	.1	3/4x2 1/4"	.70

1600 VOLTS DC WORKING

No.	Type	Mfd	Size	EA.
16 L 270	MB-T5	.0005	3/8x1 1/4"	.52
16 L 271	MB-D15	.0015	3/8x1 1/4"	.53
15 L 158	MB-D2	.002	3/8x1 1/4"	.53
16 L 272	MB D22	.0022	3/8x1 1/4"	.53
15 L 159	MB-D3	.003	7/16x1 1/4"	.53
16 L 273	MB-D33	.0033	7/16x1 1/4"	.54
15 L 160	MB D4	.004	7/16x1 1/4"	.53
16 L 274	MB-D47	.0047	7/16x1 1/4"	.54
15 L 161	MB-D5	.005	7/16x1 1/4"	.54
15 L 162	MB-D6	.006	1/2x1 1/2"	.56
16 L 275	MB-D68	.0068	1/2x1 1/2"	.56
15 L 163	MB D7	.007		.56
15 L 164	MB-D75	.0075		.56
15 L 165	MB-D8	.008		.56
15 L 166	MB-S1	.01	1/2x1 1/2"	.56
15 L 167	MB S15	.015	5/8x1 7/8"	.62
15 L 168	MB S2	.02	5/8x1 7/8"	.63
16 L 277	MB-S3	.03	5/8x1 7/8"	.65
16 L 278	MB-S4	.04	5/8x1 7/8"	.63
16 L 280	TR-15	.05	3/4x2 1/8"	.69

6000 VOLTS DC WORKING

15 L 853 is rated at 10,000 DC wkg. volts.

No.	Type	Mfd	Size	EA.
15 L 850	TVM-356	.0005	1/2x1 1/2"	79¢
15 L 851	TVM-216	.001	1/2x1 1/2"	81¢
15 L 852	TVM-256	.005	5/8x1 7/8"	87¢
15 L 853	TVM-351	.0005	5/8x1 7/8"	89¢

TE "LITTL-LYTIC" SUBMINIATURE CAPACITORS

An extensive selection of ultra-small 30 D series electrolytics. Excellent for use in transistorized radios, transistor circuits in hearing aids, pocket wire recorders, wireless microphones, and other miniature electronic equipment. Hermetically sealed, aluminum enclosed. Withstand temperatures to 85° C. Low leakage current; long shelf life. Size is diameter x length. Av. shpg. wt., 1 oz.

No.	Type	Mfd	WVDC	Size	EA.
16 L 027	1010	5	1	1/4x11/16"	.86
16 L 028	1055	25	3	1/4x11/16"	.90
16 L 029	1060	110	3	3/8x11/16"	1.04
16 L 653	1061	150	3	3/8x11/16"	1.04
16 L 654	1064	200	3	3/8x13/16"	1.04
16 L 655	1065	250	3	3/8x15/16"	1.04
16 L 656	1066	300	3	3/8x15/16"	1.12
16 L 657	1067	400	3	3/8x1 1/4"	1.19
16 L 653	1068	500	3	3/8x1 1/2"	1.27
16 L 030	1080	1	6	1/4x11/16"	.86
16 L 031	1081	2	6	1/4x11/16"	.88
16 L 032	1082	3	6	1/4x11/16"	
16 L 033	1083	4	6	1/4x11/16"	
16 L 034	1084	5	6	1/4x11/16"	
16 L 035	1086	8	6	1/4x11/16"	
16 L 036	1087	10	6	1/4x11/16"	.86
16 L 037	1089	15	6	1/4x11/16"	.90
16 L 038	1091	25	6	1/4x11/16"	.90
16 L 039	1092	30	6	1/4x11/16"	.90
16 L 040	1095	40	6	1/4x11/16"	.94
16 L 041	1100	50	6	5/16x11/16"	.94
16 L 026	1101	60	6	5/16x11/16"	1.04
16 L 659	1101.5	75	6	3/8x11/16"	1.04
16 L 660	1105	250	6	3/8x1 1/4"	1.12
16 L 661	1106	300	6	3/8x1 1/2"	1.18
16 L 042	1116	15	10	1/4x11/16"	.90
16 L 043	1118	25	10	1/4x11/16"	.94
16 L 621	1119	50	10	3/8x11/16"	1.04
16 L 622	1119.3	100	10	3/8x13/16"	1.04
16 L 623	1119.6	200	10	3/8x1 1/4"	1.17
16 L 044	1127	5	12	1/4x11/16"	.86
16 L 045	1128	10	12	1/4x11/16"	.90
16 L 624	1152	5	15	1/4x11/16"	.86
16 L 625	1155	10	15	1/4x11/16"	.90

No.	Type	Mfd	WVDC	Size	EA.
16 L 626	1156	15	15	1/4x11/16"	.90
16 L 627	1157	20	15	1/4x11/16"	.90
16 L 628	1157.1	25	15	5/16x11/16"	.94
16 L 629	1158	30	15	5/16x11/16"	.94
16 L 630	1159	35	15	3/8x11/16"	.94
16 L 631	1160	50	15	3/8x11/16"	1.04
16 L 632	1161	75	15	3/8x15/16"	1.04
16 L 633	1162	100	15	3/8x15/16"	1.04
16 L 634	1163	150	15	3/8x1 1/4"	1.12
16 L 635	1164	200	15	3/8x1 1/2"	1.22
16 L 046	1202	5	25	1/4x11/16"	.90
16 L 047	1203	6	25	1/4x11/16"	.90
16 L 048	1204	10	25	1/4x11/16"	.90
16 L 049	1205	15	25	5/16x11/16"	.90
16 L 636	1206	20	25	3/8x11/16"	1.04
16 L 637	1207	25	25	3/8x11/16"	1.04
16 L 638	1208	35	25	3/8x13/16"	1.04
16 L 639	1209	50	25	3/8x15/16"	1.04
16 L 640	1210	75	25	3/8x1 1/4"	1.10
16 L 641	1211	100	25	3/8x1 1/2"	1.14
16 L 642	1301	2	50	1/4x11/16"	1.00
16 L 643	1302.1	4	50	1/4x11/16"	1.00
16 L 644	1305	20	50	3/8x15/16"	1.04
16 L 662	1306	35	50	3/8x1 1/4"	1.08
16 L 645	1307	50	50	3/8x1 1/2"	1.11
16 L 646	1404	5	100	3/8x15/16"	1.01
16 L 647	1407	10	100	3/8x15/16"	1.01
16 L 648	1408	15	100	3/8x1 1/4"	1.04
16 L 649	1409	20	100	3/8x1 1/2"	1.07
16 L 650	1502	3	150	3/8x15/16"	1.07
16 L 651	1504	5	150	3/8x15/16"	1.07
16 L 652	1507	10	150	3/8x1 1/4"	1.08
16 L 663	1508	12	150	3/8x1 1/2"	1.10

"CERA-MITE" DISC CERAMIC CAPACITORS

Ultra-compact ceramic disc capacitors. In EIA (RETMA) and other popular values. High by-pass efficiency in critical circuits. Moisture-proof coating. Tolerances: 1000 WVDC types ±20%. 3000 WVDC types 1.5 mmf, ±.25 mmf; 4.7 mmf, ± .5 mmf; thru 68 mmf, ±10%; thru 500 mmf, ±20%. All capacitors are "tagged" for easy identification. Sizes range from ¼" to ⅞". Shpg. wt., 2 oz.

SERIES 5GA—1000 WVDC

*Designates Mfd.

No.	Type	Mmf	No.	Type	Mmf
16 L 300	V50	5	16 L 330	T25	250
16 L 301	V60	6	16 L 331	T27	270
16 L 302	V75	7.5	16 L 332	T30	300
16 L 303	V80	8	16 L 333	T33	330
16 L 304	Q1	10	16 L 334	T35	350
16 L 305	Q12	12	16 L 335	T36	360
16 L 306	Q15	15	16 L 336	T39	390
16 L 307	Q18	18	16 L 337	T40	400
16 L 308	Q20	20	16 L 338	T47	470
16 L 309	Q22	22	16 L 339	T5	500
16 L 310	Q25	25	16 L 340	T56	560
16 L 311	Q27	27	16 L 341	T60	600
16 L 312	Q30	30	16 L 342	T68	680
16 L 313	Q33	33	16 L 343	T75	750
16 L 314	Q39	39	16 L 344	T80	800
16 L 315	Q47	47	16 L 345	T82	820
16 L 316	Q50	50	15 L 670	D10	.001*
16 L 317	Q56	56	16 L 347	D12	.0012*
16 L 318	Q68	68	16 L 348	D13	.0013*
16 L 319	Q75	75	15 L 671	D15	.0015*
16 L 320	Q82	82	16 L 350	D16	.0016*
16 L 321	Q91	91	16 L 351	D18	.0018*
16 L 322	T10	100	16 L 352	D20	.0020*
16 L 323	T12	120	16 L 353	D22	.0022*
16 L 324	T13	130	16 L 354	D25	.0025*
16 L 325	T15	150	16 L 355	D27	.0027*
16 L 326	T18	180	16 L 356	D30	.0030*
16 L 327	T20	200	16 L 357	D33	.0033*
16 L 328	T22	220	16 L 358	D39	.0039*
16 L 329	T24	240	16 L 359	D40	.0040*

NET EACH..............................15c

No.	Type	Mfd	EACH
16 L 360	D43	.0043	18c
16 L 361	D47	.0047	
16 L 362	D5	.005	
16 L 363	S10	.01	
16 L 364	S20	.02	

SERIES 30GA—3000 WVDC

No.	Type	Mmf	No.	Type	Mmf
16 L 387	V15	1.5	16 L 377	T10	100
16 L 370	V47	4.7	16 L 378	T12	120
16 L 371	Q10	10	16 L 379	T15	150
16 L 372	Q15	15	16 L 380	T18	180
16 L 373	Q25	25	16 L 381	T20	200
16 L 374	Q30	30	16 L 382	T22	220
16 L 389	Q39	39	16 L 383	T25	250
16 L 375	Q50	50	16 L 384	T27	270
16 L 390	Q60	60	16 L 385	T30	300
16 L 376	Q68	68	16 L 386	T50	500

NET EACH..............................24c

SINGLE AND DUAL HIGH-K TYPES
SERIES 5HK—500 & 1000 WVDC

No.	Type	Mfd	WVDC	NET
15 L 672	D20	.002	1000	15¢
15 L 673	D50	.005	1000	15¢
15 L 674	S10	.010	500	18¢
19 L 950	S20	.02	500	35¢
19 L 951	S30	.03	500	38¢
19 L 952	S40	.04	500	41¢
19 L 953	S50	.05	500	41¢
19 L 954	P10	.1	500	94¢
15 L 675	2D10	2x.001	1000	24¢
15 L 676	2D15	2x.0015	1000	24¢
15 L 677	2D20	2x.002	1000	24¢
15 L 678	2D40	2x.004	1000	26¢

UNIVERSAL CERAMIC CAPACITORS

Highly versatile, 4-lead ceramic type capacitors. Provide maximum coverage with minimum stock. Ideal for use by servicemen, experimenters, etc. Offer a large variety of odd and popular ratings—simply wire leads in various combinations. With complete instructions. *Guaranteed minimum value; UGA-1 and UGA-2 have tolerance of ±20%. Rated at 500 WVDC. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Capacity Range, Mfd	Size	NET EACH
15L216	*UHK-1	.001-.004	35/64x5/8x1/16"	29¢
15L217	*UHK-2	.0025-.015	1⅛x5/8x1/16"	35¢
15L218	UGA-1	.0004-.0013	25/64x5/8x1/16"	29¢
15L219	UGA-2	.0006-.0027	1⅛x5/8x1/16"	35¢

UNIVERSAL CERAMIC CAPACITOR KIT

Type CK-4 Kit. Universal multi-purpose capacitor kit. Handles 90% of all common ceramic, molded tubular, and mica replacements in bypass and coupling circuits. Includes 3 each: UHK-1, UHK-2, UGA-1, UGA-2. With instructions. 3½x8½". Shpg. wt., 3 oz.

18 L 712. NET EACH..............3.88

TYPE NPO CERAMICS

Zero temperature-coefficient capacitors. 1000 WVDC. All capacitors listed below are of the disc type. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	EACH
19 L 955	10TCC-V10	1.0	29c
19 L 956	10TCC-V15	1.5	
19 L 957	10TCC-V22	2.2	
19 L 958	10TCC-V33	3.3	
19 L 959	10TCC-V47	4.7	
19 L 960	10TCC-V68	6.8	29c
19 L 961	10TCC-Q10	10.0	
19 L 962	10TCC-Q15	15.0	
19 L 963	10TCC-Q20	20.0	
19 L 964	10TCC-Q22	22.0	
19 L 965	10TCC-Q25	25.0	29¢
19 L 966	10TCC-Q33	33.0	29¢
19 L 967	10TCC-Q39	39.0	32¢
19 L 968	10TCC-Q47	47.0	32¢
19 L 969	10TCC-Q50	50.0	32¢
19 L 970	10TCC-Q68	68.0	32¢
19 L 971	10TCC-Q75	75.0	32¢
19 L 972	10TCC-T10	100.0	32¢
19 L 973	10TCC-T12	120.0	35¢
19 L 974	10TCC-T15	150 0	35¢
19 L 975	10TCC-T175	175.0	29¢
19 L 976	10TCC-T22	220.0	41¢
19 L 977	10TCC-T27	270.0	47¢

TYPE N750 CERAMICS

A negative temperature coefficient capacitor with a negative change of 750 parts per million per degree Centigrade. 1000 WVDC. All capacitors listed below are disc type except *rectangular. Shpg. wt., 2 oz.

Stock No.	Type	Mfd	EACH
19 L 978	10TCU-V50*	5	29c
19 L 979	10TCU-Q10	10	
19 L 980	10TCU-Q15	15	
19 L 981	10TCU-Q20	20	
19 L 982	10TCU-Q22	22	
19 L 983	10TCU-Q25	25	29c
19 L 984	10TCU-Q33	33	
19 L 985	10TCU-Q47	47	
19 L 986	10TCU-Q68	68	
19 L 987	10TCU-Q75	75	
19 L 988	10TCU-T10	100	29c
19 L 989	10TCU-T15	150	
19 L 990	10TCU-T20	200	
19 L 991	10TCU-T22	220	
19 L 992	10TCU-T33	330	
19 L 993	10TCU-T47	470	41¢
19 L 994	10TCU-T68	680	47¢

TYPE BL BUFFER CERAMICS

2000 WVDC disc ceramic type capacitors for buffer applications. Tiny, rugged construction. Moisture-proof coating assures high dependability. Perfect for use in highly compact equipment of all types. Tolerance, ±20%. Av. shpg. wt., 2 oz.

No.	Type	Mfd	No.	Type	Mfd.
16L290	BL-D10	.001	16L295	BL-D60	.006
16L291	BL-D20	.002	16L296	BL-D70	.007
16L292	BL-D30	.003	16L297	BL-D75	.0075
16L293	BL-D40	.004	16L298	BL-D80	.008
16L294	BL-D50	.005	16L299	BL-S10	.01

NET EACH..............................21c

BULPLATE MULTIPLE CERAMIC CAPACITORS

Compact, self-contained assemblies containing all the capacitors used in one or more stages of a radio circuit. All are rated at 500 WVDC, 1000 VDC test. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Mfd.	Size	NET EACH
15 L 626	34C3	.002, .00022, .00022, .005	1⅛x5/8x1/16"	44¢
15 L 627	34C4	.002, .00015, .005, .0001, .005	1⅛x5/8x1/16"	53¢
15 L 628	34C5	.002, .005, .0001, .005	1⅛x5/8x1/16"	44¢
15 L 629	34C6	3X.004	1⅛x5/8x1/16"	38¢

"TC" CALCULATOR

Handy slide-rule. Determines values of NPO and N750 ceramics to be connected in parallel to equal a capacitor of desired intermediate temperature coefficient and required capacity. Shpg. wt., 4 oz.

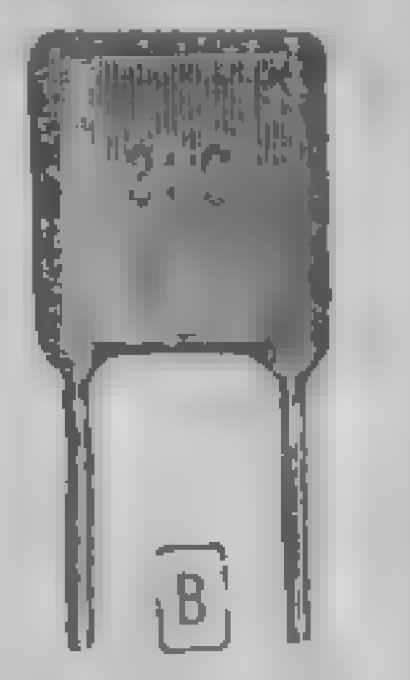
37 K 103. NET..............................15c

NEW ORANGE DROP CAPACI

Extremely smal
replacement t
capacitors. Hav
dielectric, ultra-
windings, rock
case, space-savi
al leads. Leak
Easily fit in tigh
Double-dipped in
epoxy resin to guard against heat and m
In clear-plastic boxes. Tolerance, ±10

Stock No.	Type	Mfd	WVDC	Size
28L700	2PS-S20	.02	200	3/8x7/8"
28L701	2PS-S47	.047	200	29/64x7/8"
28L702	2PS-S50	.05	200	15/32x7/8"
28L703	2PS-P10	.1	200	31/64x1 3/
28L704	2PS-P25	.25	200	5/8x1 5/
28L705	2PS-P50	.5	200	23/32x1 5/8"
28L706	4PS-S10	.01	400	13/32x1 1/
28L707	4PS-S20	.02	400	13/32x7/8"
28L708	4PS-S30	.03	400	29/64x7/8"
28L709	4PS-S47	.047	400	29/64x1 3/
28L710	4PS-S50	.05	400	29/64x1 3/
28L711	4PS-P10	.1	400	37/64x1 3
28L712	4PS-P20	.2	400	19/32x1 5/
28L713	4PS-P22	.22	400	39/64x1 5/8"
28L714	4PS-P25	.25	400	41/64x1 5/8"
28L715	6PS-D10	.001	600	21/64x1 1/
28L716	6PS-D15	.0015	600	21/64x1 1/
28L717	6PS-D20	.002	600	21/64x1 1/
28L718	6PS-D22	.0022	600	21/64x1 1/
28L719	6PS-D30	.003	600	11/32x1 1/
28L720	6PS-D40	.004	600	3/8x1 1/
28L721	6PS-D47	.0047	600	25/64x1 1/
28L722	6PS-D50	.005	600	25/64x1 1
28L723	6PS-D60	.006	600	13/32x1 1
28L724	6PS-D68	.0068	600	13/32x1 1
28L725	6PS-S10	.01	600	25/64x7/8"
28L726	6PS-S15	.015	600	27/64x7/8"
28L727	6PS-S20	.02	600	31/64x7/8"
28L728	6PS-S22	.022	600	31/64x7/8"
28L729	6PS-S30	.03	600	7/16x1 3
28L730	6PS-S40	.04	600	1/2x1 3
28L731	6PS-S47	.047	600	17/32x1 3
28L732	6PS-S50	.05	600	17/32x1 3
28L733	6PS-P10	.1	600	5/8x1 5
28L734	6PS-P20	.2	600	3/4x1 5
28L735	6PS-P25	.25	600	13/16x1 5/8"
28L736	10PS-D10	.001	1000	21/64x1 1
28L737	10PS-D20	.002	1000	3/8x1 1
28L738	10PS-D30	.003	1000	11/32x7/8"
28L739	10PS-D47	.0047	1000	13/32x7/8"
28L740	10PS-D50	.005	1000	13/32x7/8"

CERAMIC CAPACITORS FO
TRANSISTORIZED CIRCUITS



Especially d
for circuits r
extremely sm
ponents. Id
printed circui
sistor-type ra
Provide very
able service i
and coupling
tions. Have e
humidity resi

A Type TG. Have heavy, protective
All are rated at 50 working vol
Have tolerance of +80% to −20%
S25, which is +80% to −30%.

No.	Type	Mfd	Dia.	Wt.
15 L 995	D50	.005	5/16"	2 oz.
15 L 996	S10	.01	3/8"	3 oz.
15 L 997	S25	.025	11/16"	3 oz.
15 L 998	S50	.05	15/16"	3 oz.
15 L 999	P10	.1	3/4"	4 oz.

B Monolythic Type. Solid hom
block construction assures excellent
ity resistance. Extremely small size, ½
Rated 25 working volts, DC. Tem
rating −55° C to +85° C. Shpg. w

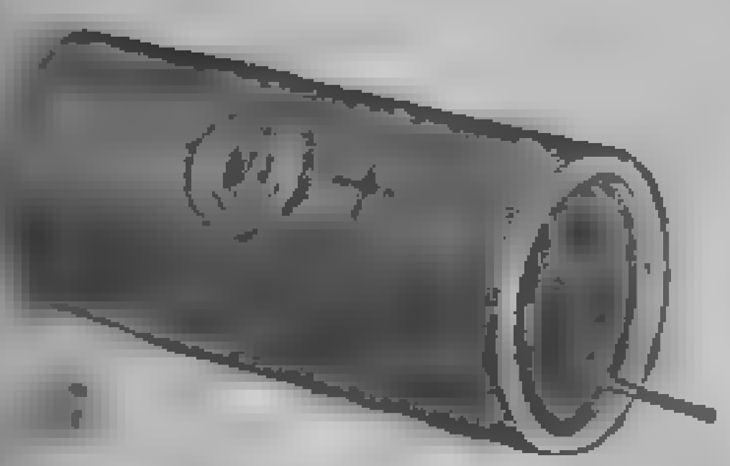
Stock No.	Type	Mfd
16 L 664	31C3	.075
16 L 665	31C4	.1
16 L 666	31C5	.15
16 L 667	31C6	.2
16 L 668	31C7	.3
16 L 669	31C8	.5
16 L 67[illegible]	31C9	.75

A Hypercon Type. Highly dependab
miniature ceramic discs. Superior
trolytic capacitors of similar ca
values, due to very low power factor. T
guaranteed minimum value. All are
working volts, DC. Shpg. wt., 2 oz.

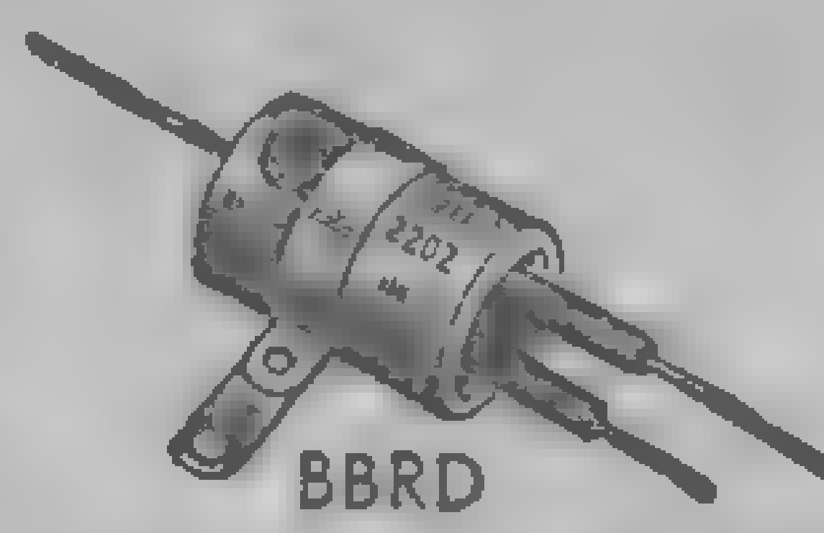
Stock No.	Type	Mfd	Dia.
16 L 671	HY-120	.1	.225"
16 L 672	HY-125	.22	.275"
16 L 673	HY-130	.47	.400"
16 L 674	HY-135	1.0	.595"
16 L 675	HY-150	2.2	.840"

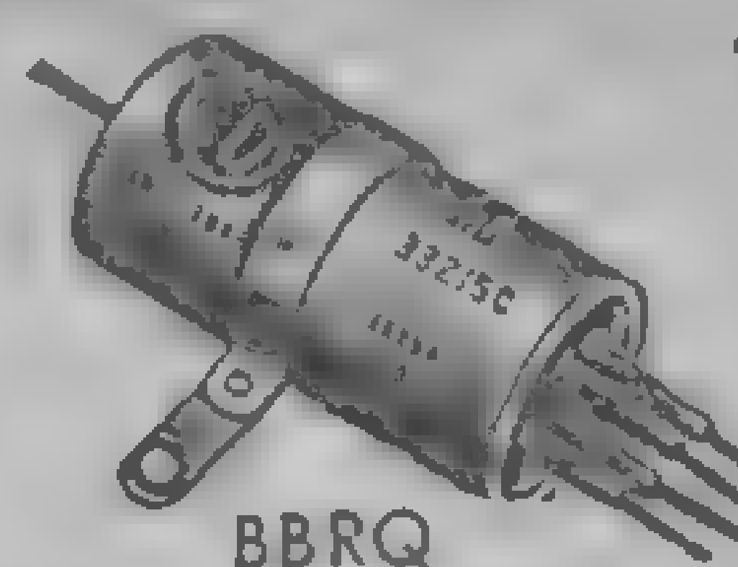
Cornell-Dubilier Capacitors

"BLUE BEAVER" TUBULAR ELECTROLYTICS



BBR


BBRD


BBRQ

BRHV

Beaver" tubular electrolytic capacitors are specifically ned for service replacement applications. All are sealed in num cans for protection against heat, humidity. Type BR has tinned-copper leads with negative terminal grounded to can. BBR is a miniature version of Type BR, for limited-space cations. Type BRHV is similar to Type BR, but is designed for filter applications in higher-voltage power supplies. Surge voltage of Type BRHV is 150 volts above working voltage. Types BBRD, BBRT, and BBRQ have 7" flexible vinyl covered leads with color coded positive and common negative. All "Blue Beavers" are rated for operation up to 85°C., except 500-volt types, which are for up to 65°C. Av. shpg. wt., 4 oz.

TYPE BR SINGLE SECTION

Type	Mfd	W.V.	Size In.	NET
500-6	500	6	5/8x1 11/16	1.23
1000-6	1000	6	3/4x2	1.51
2000-6	2000	6	1x2 3/16	1.83
2501	250	15	5/8x1 11/16	1.24
5001	500	15	3/4x2	1.39
10001	1000	15	7/8x2	1.81
20001	2000	15	1x3	2.15
2502	250	25	3/4x1 11/16	1.33
5002	500	25	7/8x2	1.81
1005	100	50	5/8x1 11/16	1.01
1505	150	50	3/4x1 11/16	1.12
2505	250	50	7/8x1 11/16	1.40
5005	500	50	1x3	1.88
2515	25	150	3/4x1 7/16	.90
3015	30	150	3/4x1 7/16	.93
4015	40	150	3/4x1 11/16	.98
5015	50	150	3/4x1 11/16	1.01
6015	60	150	7/8x1 11/16	1.07
8015	80	150	7/8x1 11/16	1.17
10015	100	150	7/8x2	1.26
15015	150	150	1x2 3/16	1.38
20015	200	150	1x3	1.52
30015	300	150	1x3 13/16	1.89
1625	16	250	3/4x1 7/16	1.02
2025	20	250	3/4x1 7/16	1.09
3025	30	250	3/4x1 11/16	1.16
4025	40	250	3/4x2	1.24
5025	50	250	7/8x1 11/16	1.36
6025	60	250	1x1 11/16	1.43
435	4	350	5/8x1 1/16	.82
835	8	350	5/8x1 7/16	.93
1335	12	350	3/4x1 7/16	1.03
1635	16	350	3/4x1 7/16	1.12
2035	20	350	3/4x1 7/16	1.15
3035	30	350	3/4x2	1.30
4035	40	350	7/8x2	1.37
6035	60	350	1x2	1.55
8035	80	350	1x3	1.60
10035	100	350	1x3	2.10
145	1	450	5/8x1 1/16	.86
245	2	450	5/8x1 1/16	.87
445	4	450	5/8x1 1/16	.91
845	8	450	3/4x1 7/16	1.01
1045	10	450	3/4x1 7/16	1.01
1245	12	450	3/4x1 7/16	1.09
1645	16	450	3/4x1 11/16	1.15
2045	20	450	7/8x1 11/16	1.23
3045	30	450	1x2	1.36
4045	40	450	1x2 3/16	1.41
6045	60	450	1x3	1.66
8045	80	450	1x3 13/32	1.65
10045	100	450	1x3 13/16	1.88
450	4	500	5/8x1 7/16	.94
850	8	500	3/4x1 7/16	1.03
1250	12	500	7/8x2	.85
1650	16	500	7/8x1 11/16	1.19
2050	20	500	7/8x2	1.26
3050	30	500	1x2	1.41

TYPE BBR SINGLE SECTION

Stock No.	Type	Mfd	W.V.	Size In.	NET
19 L 202	5-6	5	6	3/8x1 1/16	.61
19 L 203	25-6	25	6	3/8x1 1/16	.63
19 L 204	50-6	50	6	3/8x1 1/16	.70
19 L 205	100-6	100	6	1/2x1 1/16	.85
19 L 206	250-6	250	6	1/2x1 7/16	1.08
19 L 207	100-15	100	15	1/2x1 1/16	.88
19 L 216	10-25	10	25	3/8x1 1/16	.72
19 L 217	20-25	20	25	3/8x1 1/16	.73
19 L 218	25-25	25	25	3/8x1 1/16	.74
19 L 219	50-25	50	25	1/2x1 1/16	.79
19 L 208	100-25	100	25	1/2x1 7/16	.97
19 L 209	1-50	1	50	3/8x1 1/16	.67
19 L 210	2-50	2	50	3/8x1 1/16	.67
19 L 211	4-50	4	50	3/8x1 1/16	.71
19 L 222	5-50	5	50	3/8x1 1/16	.71
19 L 223	10-50	10	50	3/8x1 1/16	.72
19 L 224	25-50	25	50	1/2x1 1/16	.75
19 L 212	10-90	10	90	1/2x1 1/16	.74
19 L 214	4-150	4	150	3/8x1 1/16	.73
19 L 249	8 150	8	150	1/2x1 1/16	.75
19 L 226	10-150	10	150	1/2x1 1/16	.77
19 L 247	12-150	12	150	1/2x1 1/16	.79
19 L 248	16-150	16	150	1/2x1 7/16	.83
19 L 225	20-150	20	150	1/2x1 7/16	.85
19 L 227	4 250	4	250	1/2x1 1/16	.80
19 L 228	8-250	8	250	1/2x1 7/16	.91
19 L 229	12-250	12	250	1/2x1 7/16	.97

TYPE BBRD DUAL SECTION

Stock No.	Type	Mfd	W.V.	Size In.	NET
19 L 220	2202	20 20	25	11/16x1 1/4	1.23
19 L 250	115	10-10	50	11/16x1 1/4	1.23
19 L 251	2115	20-10	150	11/16x1 5/8	1.31
19 L 252	2215	20 20	150	11/16x1 7/8	1.35
19 L 253	3215	30-20	150	11/16x1 7/8	1.40
19 L 254	3315	30 30	150	11/16x1 7/8	1.44
19 L 255	4215	40-20	150	11/16x1 7/8	1.43
19 L 256	4315	40-30	150	11/16x2 1/16	1.47
19 L 257	4415	40-40	150	11/16x2 1/16	1.50
19 L 258	5315	50-30	150	11/16x2 1/16	1.51
19 L 259	5515	50-50	150	1 1/16x2 1/16	1.59
19 L 260	8415	80 40	150	1 1/16x2 3/8	1.67
18 L 609	01837	100-50	150	1 x3	1.81
19 L 288	101015	100-100	150	1 1/16x3 1/16	1.99
18 L 610	0196	200-5	150	1 x3 1/16	2.76
19 L 289	8D25	8-8	250	11/16x1 5/8	1.30
19 L 262	16D25	16-16	250	11/16x2 1/16	1.44
19 L 263	2225	20-20	250	1 1/16x1 7/8	1.52
19 L 296	3325	30-30	250	1 1/16x2 5/8	1.70
19 L 264	7V225	75-20	250	1 1/16x3 1/16	2.29
18 L 614	0286	150-100	300	1 3/8x3 1/16	4.94
19 L 265	8D45	8-8	450	11/16x1 7/8	1.50
19 L 266	16845	16-8	450	1 1/16x2 5/8	1.70
19 L 267	16D45	16-16	450	1 1/16x2 11/16	1.86
19 L 268	2245	20-20	450	1 1/16x3 1/16	2.06
19 L 297	3345	30-30	450	1 5/16x3 3/4	2.49
19 L 221	4445	40 40	450	1 1/16x4 1/4	2.86

TYPE BBRD DUAL SECTION (Cont'd)

Stock No.	Type	Mfd	W.V.	Size In.	NET
18 L 617	0652	40, 50	450, 50	1x3 9/16	2.17

TYPE BBRT TRIPLE SECTION

Stock No.	Type	Mfd.	W. V.	Size in In.	NET
19 L 230	22215	20-20-20	150	15/16x1 7/8	1.79
19 L 231	32V215	30-25-20	150	15/16x2 3/16	1.86
19 L 232	33315	30-30-30	150	1 1/16x2 3/16	1.97
19 L 233	42215	40-20-20	150	1 1/16x1 7/8	1.88
19 L 234	43215	40-30-20	150	1 1/16x2 3/16	1.92
19 L 235	44215	40-40-20	150	1 1/16x2 3/16	1.96
19 L 236	44415	40-40-40	150	1 1/16x2 1/8	2.04
19 L 298	84215	80-40-20	150	1 1/16x3 3/16	2.13
18 L 620	0126.5	150-150-150	150	1 3/8x4 3/16	3.77
19 L 238	3315C	30-30,20	150,25	15/16x2 3/16	1.82
19 L 239	4215C	40-20,20	150,25	1 1/16x1 7/8	1.83
19 L 241	4415C	40-40,20	150.25	1 1/16x1 7/8	1.90
19 L 242	4415X25	40-40,250	150,10	1 1/16x2 1/8	2.14
19 L 243	5315C	50-30,20	150,25	1 1/16x1 7/8	1.22
19 L 244	5515C	50-50,20	150,25	1 1/16x2 3/8	1.98
19 L 299	5315C25	50-30,250	150,25	1 1/16x3 3/16	2.58
19 L 245	8415C	80-40,20	150,25	1 1/16x2 11/16	2.04
19 L 275	5315X20	50-30,200	150,10	1 1/16x2 3/8	2.14
19 L 276	5315C10	50-30,100	150,25	1 1/16x2 3/8	2.04
19 L 277	8215C10	80-20,100	150,25	1 1/16x2 11/16	2.09
19 L 279	4225C	40-20,20	250,25	1 1/16x2 5/8	2.08
19 L 281	7V4125	75-40-10	250	1 3/16x3 3/16	2.88
18 L 621	0185	40-40-40	300	1 1/8x3	2.95
19 L 282	16T45	16-16-16	450	1 3/16x3 3/16	2.57
19 L 283	2245C	20-20,20	450 25	1 1/16x5 3/16	2.43
18 L 626	1411	30,50,100	450,150,25	1 1/8x3	2.57

TYPE BBRQ QUADRUPLE SECTION

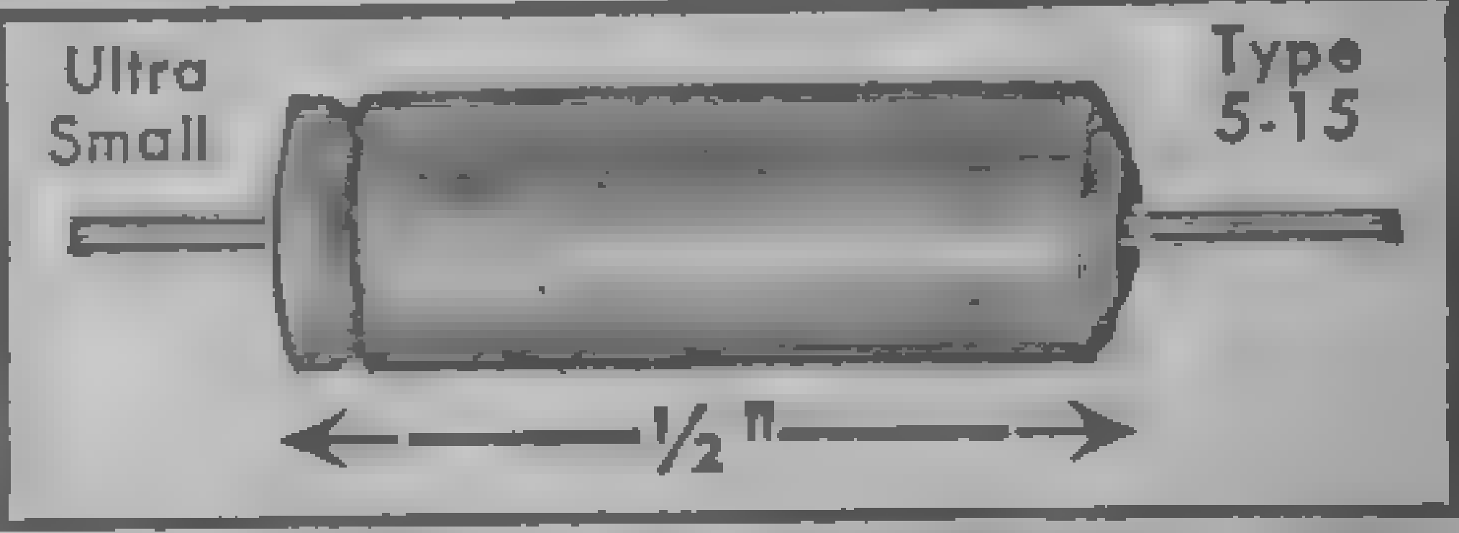
Stock No.	Type	Mfd	W. V.	Size in In.	NET
19 L 290	33215C	30-30-20,20	150,25	1 1/16x2 3/16	2.33
19 L 293	44315C	40-40-30,20	150,25	1 1/16x2 11/16	2.43
19 L 294	55515C	50 50-50,20	150,25	1 1/16x3 3/16	2.55
18 L 628	0789 4	140 5,200-30	300,150	1 1/2x4 3/16	4.27
18 L 630	0789 5	80-60,40,20	350,300,150	1 3/8x3 3/16	4.02
18 L 634	0170.5	40-20 20-10	450	1 3/8x3 9/16	3.71
18 L 635	0174	40 40-20-20	450	1 3/8x4 3/16	4.00
19 L 295	22245C	20-20-20,20	450,25	1 3/16x3 1/4	2.96
18 L 636	0926.5	10,80,40-40	450,300,250	1 3/8x3 9/16	3.86
18 L 637	0954	10,80,40,100	450,300, 250,50,	1 3/8x3 9/16	3.57

TYPE BRHV HIGH-VOLTAGE

Stock No.	Type	Mfd	W.V.	Size In.	NET
14 L 538	708	8	700	15/16x3 1/16	2.37
14 L 539	710	10	700	1 1/16x3 1/16	2.78
14 L 540	712	12	700	1 1/16x3 11/16	2.91
14 L 541	716	16	700	1 1/16x4 5/16	3.13
14 L 534	608	8	600	13/16x3 1/16	2.62
14 L 535	610	10	600	13/16x3 1/16	2.69
14 L 537	616	16	600	1 1/16x3 1/16	3.08

TYPE NLW "ELECTOMITE" SUBMINIATURE ELECTROLYTICS

omites" are extremely small aluminum- apacitors. These tiny units are hermeti- ealed into an ultra-small tubular alumi- can which is tightly fitted with an outer arent plastic sleeve for freedom from " with adjacent components. Excellent in equipment employing transistorized ed circuitry, or any other type of minia- gear. Perfect for by-pass, filter and coupling use in low-voltage equipment. Terminal connections are securely welded. Despite the extremely small size of these capacitors, they exhibit excellent electrical characteristics. Surge voltages are 20% higher than working voltage. Tolerance: −10% to +150%. Leakage: 0.1 μa/mfd/volt, or less. Operating temperature of all subminiature electrolytics is −20°C to +85°C. Av. shpg. wt., 2 oz.



ck No.	Mfr's Type	Mfd	WVDC	Size In.	NET EACH
750	1-150	1	150	1/4x1/2	.99
751	2-150	2	150	5/16x5/8	.99
600	5-150	5	150	3/8x5/8	.99
601	8 150	8	150	3/8x7/8	.99
602	10 150	10	150	3/8x1	1.00
752	18-150	18	150	3/8x1 1/2	1.05
599	6-100	6	100	3/8x5/8	.94
753	8-100	8	100	3/8x3/4	.95
605	10-100	10	100	3/8x7/8	.95
607	20-100	20	100	3/8x1 1/2	.99
754	2-50	2	50	3/16x1/2	.94
755	4-50	4	50	1/4x1/2	.94
662	5-50	5	50	1/4x1/2	.94
663	10 50	10	50	5/16x5/8	.95
664	20-50	20	50	3/8x5/8	.96
756	40-50	40	50	3/8x1	1.07
757	50-50	50	50	3/8x1 1/4	1.03
596	3-25	3	25	3/16x1/2	.78

Stock No.	Mfr's Type	Mfd	WVDC	Size In.	NET EACH
19 L 758	6-25	6	25	1/4x1/2	.82
19 L 759	8-25	8	25	1/4x1/2	.82
19 L 608	10-25	10	25	1/4x5/8	.82
18 L 660	15-25	15	25	5/16x5/8	.86
19 L 760	25-25	25	25	3/8x5/8	.96
19 L 761	30-25	30	25	3/8x5/8	.96
19 L 762	40-25	40	25	3/8x3/4	.96
19 L 763	50-25	50	25	3/8x7/8	.96
19 L 764	100-25	100	25	3/8x1 1/2	1.06
18 L 655	5-15	5	15	3/16x1/2	.78
18 L 656	10-15	10	15	1/4x1/2	.82
18 L 657	20-15	20	15	1/4x5/8	.82
18 L 658	30-15	30	15	5/16x5/8	.86
19 L 765	40-15	40	15	3/8x5/8	.86
19 L 766	50-15	50	15	3/8x5/8	.96
19 L 767	75-15	75	15	3/8x3/4	.96
19 L 768	100-15	100	15	3/8x7/8	.96
19 L 769	125-15	125	15	3/8x1	1.00

Stock No.	Mfr's Type	Mfd	WVDC	Size In.	NET EACH
19 L 770	150 15	150	15	3/8x1 1/4	1.04
19 L 771	175-15	175	15	3/8x1 1/4	1.08
19 L 772	200-15	200	15	3/8x1 1/2	1.15
18 L 652	25-10	25	10	1/4x5/8	.86
18 L 653	50-10	50	10	5/16x3/4	.96
19 L 773	125 10	125	10	3/8x7/8	1.00
18 L 645	10-6	10	6	3/16x1/2	.78
18 L 646	20-6	20	6	1/4x1/2	.82
19 L 774	30-6	30	6	1/4x5/8	.82
19 L 597	125-6	125	6	3/8x3/4	.96
18 L 640	25-3	25	3	1/4x1/2	.82
19 L 612	50-3	50	3	1/4x3/4	.82
19 L 775	100-3	100	3	3/8x5/8	.96
19 L 595	125-3	125	3	3/8x5/8	.96
18 L 641	200-3	200	3	3/8x7/8	.96
19 L 776	250-3	250	3	3/8x1	.96
19 L 777	450-3	450	3	3/8x1 1/2	1.15

Cornell-Dubilier Capacitors

PM MOLDED "MYLAR" TUBULARS

Molded tubular capacitors for severe operating conditions and high temperature applications. Feature "Mylar" polyester film dielectric. Capacity tolerance is ±10%. Temperature range is −55°C to +85°C—derate 90% of rated voltage at 100°C and derate 50% at 130°C. Moisture resistance exceeds JAN-C-91 or MIL-C-25A requirements. Av. shpg. wt., 3 oz.

Stock No.	Type	Mfd	WVDC	Size	NET
14 L 273	2S2	.02	200	⅜x1¼"	.22
14 L 274	2S5	.05	200	⅜x1¼"	.24
14 L 275	2P1	.1	200	7/16x1¼"	.29
14 L 276	2P22	.22	200	½x1½"	.42
14 L 277	2P25	.25	200	9/16x1 9/16"	.42
14 L 278	2P47	.47	200	⅝x1⅞"	.64
14 L 279	2P5	.5	200	⅝x1⅞"	.64
14 L 286	2W1	1.0	200	¾x2¼"	1.11
14 L 293	4S1	.01	400	5/16x1"	.22
14 L 294	4S2	.02	400	⅜x1¼"	.23
19 L 614	4S22	.022	400	⅜x1¼"	.23
19 L 615	4S33	.033	400	7/16x1¼"	.24
19 L 616	4S47	.047	400	7/16x1¼"	.24
14 L 295	4S5	.05	400	7/16x1¼"	.24
19 L 617	4S68	.068	400	½x1½"	.32
14 L 296	4P1	.1	400	½x1½"	.34
14 L 297	4P22	.22	400	⅝x1⅞"	.54
14 L 298	4P25	.25	400	⅝x1⅞"	.54
19 L 618	4P33	.33	400	11/16x1 15/16"	.62
14 L 299	4P47	.47	400	¾x2¼"	.88
14 L 243	4P5	.5	400	¾x2¼"	.88
19 L 619	4P68	.68	400	1x2⅛"	1.32
14 L 244	PM4W1	1.00	400	1x2⅛"	1.56

600 VOLTS DC WORKING

Stock No.	Type	Mfd	WVDC	Size	NET
14 L 158	PM6T5	.0005	600	5/16x1"	.22
14 L 159	PM6D1	.0010	600	5/16x1"	.24
19 L 778	6D2	.002	600	5/16x1"	.24
14 L 167	PM6D22	.0022	600	5/16x1"	.24
19 L 620	PM6D33	.0033	600	5/16x1"	.24
14 L 169	PM6D47	.0047	600	⅜x1¼"	.24
19 L 779	6D5	.005	600	5/16x1"	.24
19 L 621	PM6D68	.0068	600	5/16x1"	.24
14 L 178	PM6S1	.010	600	⅜x1¼"	.24
14 L 179	PM6S15	.015	600	⅜x1¼"	.24
19 L 780	6S2	.02	600	7/16x1¼"	.26
14 L 180	PM6S22	.022	600	7/16x1¼"	.26
19 L 622	PM6S33	.033	600	7/16x1¼"	.29
14 L 182	PM6S47	.047	600	½x1½"	.34
19 L 623	PM6S5	.05	600	½x1½"	.34
14 L 183	PM6S68	.068	600	9/16x1 9/16"	.37
14 L 184	PM6P1	.1	600	⅝x1⅞"	.48
14 L 197	PM6P22	.22	600	¾x2¼"	.71
14 L 198	PM6P33	.33	600	1x2⅛"	.92
14 L 199	PM6P47	.47	600	1x2⅛"	1.18

"PUP" METAL END-CAP TUBULARS

Type MP. Self-healing, metallized cardboard tubulars. Lightweight, compact, and made to last. Wax-impregnated and dip-sealed against humidity. Temperature range: −40° to +60° C. Non-inductively wound for low impedance at high frequencies. High insulation resistance, low power factor and low capacity change. Bare wire leads are anchored in metal end-caps. Tolerance, ±20%. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Mfd	WVDC	Size	NET EACH
14 L 928	MP2S5	.05	200	⅜x⅝"	.65
14 L 929	MP2P1	.1	200	⅜x⅝"	.73
14 L 930	MP2P25	.25	200	15/16x⅝"	.97
14 L 931	MP2P5	.5	200	15/32x1⅛"	1.15
14 L 932	MP2W1	1.0	200	9/16x1⅛"	1.53
14 L 924	MP2W2	2.0	200	⅝x1⅝"	2.10
14 L 942	MP6S1	.01	600	⅜x⅝"	.65
14 L 946	MP6P1	.1	600	15/32x1⅛"	.84
14 L 947	MP6P25	.25	600	⅝x1⅛"	1.32
14 L 948	MP6P5	.5	600	23/32x1⅝"	2.06
14 L 949	MP6W1	1.0	600	23/32x2⅛"	2.06

PM CAPACITOR KIT

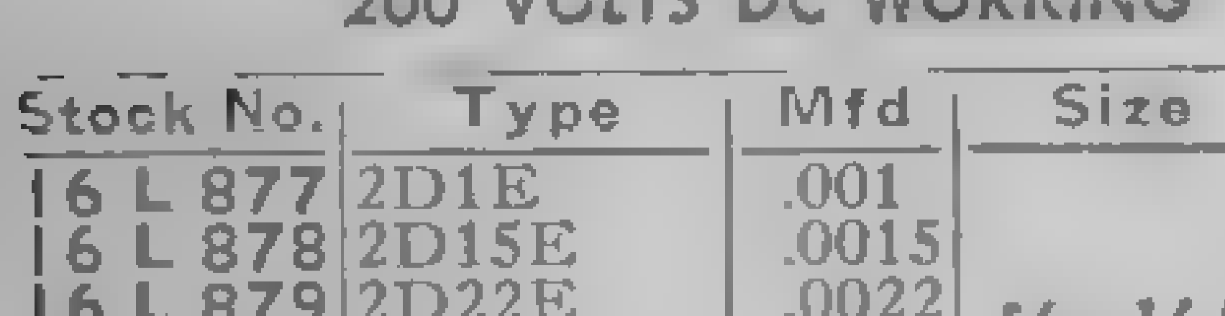
Plastic case containing an assortment of PM "Mylar" tubulars in the most popular values. Includes: 10 each .001, .005, .02, .047, .10; 12 each .01, .05; and 6—.002. All are rated at 600 WVDC. Wt., 3 lbs.
14 L 287. NET 15.52

FB HIGH-CAPACITY LOW-VOLTAGE TYPES

Hermetically sealed capacitors in aluminum cans with wax-impregnated insulating sleeves. Temperature range up to 85 degrees C. Tinned solder lugs. Wt., 6 oz.

Stock No.	Type	Mfd	VDC	Size	NET
19 L 320	FB 5005	500	50	1⅜x3⅛"	3.41
19 L 321	FB 5010	1000	50	1⅜x4⅛"	4.02
19 L 322	FB 5020	2000	50	1¾x4⅛"	5.01
19 L 323	FB 5040	4000	50	2½x4⅛"	10.70
19 L 355	FB 2510	1000	25	1⅜x3⅛"	3.44
19 L 356	FB 2520	2000	25	1⅜x4⅛"	4.06
19 L 318	FB 2540	4000	25	2x4⅛"	5.09
19 L 319	FB 2550	5000	25	2½x4⅛"	5.93
19 L 353	FB 1520	2000	15	1⅜x3⅛"	3.72
19 L 354	FB 1560	6000	15	2x4⅛"	4.94

NEW WMF "MYLAR" FILM-ENCASED TUBULAR CAPACITORS



- **Features Durable "Mylar" Film-Dielectric—Film-Encased Construction**
- **Ultra Compact—For Transistorized, Computer and Military Circuits**
- **New High Reliability Capacitors Superseding the Low-Voltage "Cub" Series**

Film-encased, ultra-compact, tubular capacitors featuring a "Mylar" film dielectric. Designed for transistor applications in computer and military circuits, instrumentation, test equipment, and many electronic products requiring high reliability. Combine extremely small size with exceptional strength and durability, and excellent stability with temperature and life. Also feature high insulation resistance, low power factor, and operation at temperatures up to +125° C. End-sealed with high-density thermosetting plastic. Non-inductive, extended foil construction with tinned wire leads soldered directly to foil for low resistance connections and low RF impedance. Operating temperature range is from −55° to +125° C. Power factor is less than 1% at 25° C. Capacity tolerance ±10%. Av. shpg. wt., 2 oz.

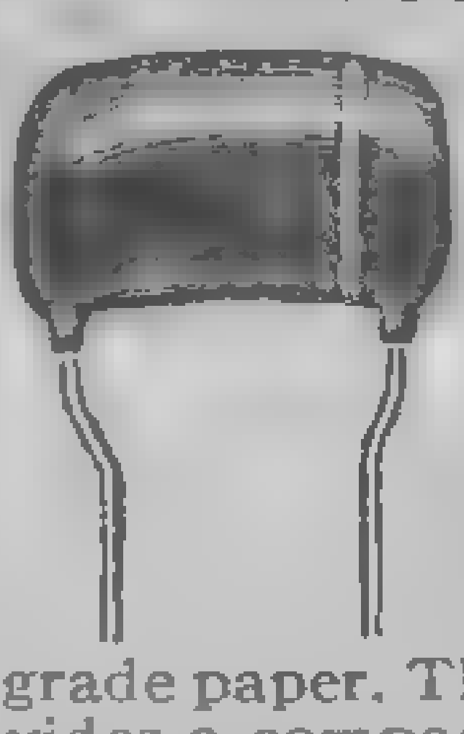
200 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EACH
16 L 877	2D1E	.001	5/32x½"	.19
16 L 878	2D15E	.0015		
16 L 879	2D22E	.0022		
16 L 880	2D33E	.0033		
16 L 881	2D47E	.0047		
16 L 882	2D68E	.0068		
16 L 883	2S1E	.01	11/16x½"	.23
16 L 884	2S15E	.015	13/16x½"	.23
16 L 885	2S22E	.022	¼x⅝"	.23
16 L 886	2S33E	.033	¼x¾"	.24
16 L 887	2S47E	.047	19/64x¾"	.24
16 L 888	2S68E	.068	11/32x¾"	.24
16 L 889	2P1E	.1	⅜x⅞"	.27
16 L 890	2P15E	.15	29/64x⅞"	.27
16 L 891	2P22E	.22	7/16x1⅛"	.38
16 L 892	2P33E	.33	31/64x1⅛"	.48
16 L 893	2P47E	.47	35/64x1¼"	.54
16 L 894	2P68E	.68	39/64x1⅝"	.62
16 L 895	2W1E	1.0	43/64x1¾"	.75
16 L 896	2W1P25E	1.25	¾x1¾"	.84
16 L 897	2W1P5E	1.5	53/64x1¾"	.96
16 L 898	2W2E	2.0	⅞x1⅞"	1.15

400 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EACH
16 L 826	4D1E	.001	5/32x⅝"	.23
16 L 827	4D15E	.0015	5/32x⅝"	
16 L 828	4D22E	.0022	5/32x⅝"	
16 L 829	4D33E	.0033	5/32x⅝"	
16 L 830	4D47E	.0047	3/16x⅝"	
16 L 831	4D68E	.0068	7/32x⅝"	
16 L 832	4S1E	.01	¼x⅝"	.23
16 L 833	4S15E	.015	19/64x⅝"	.23
16 L 834	4S22E	.022	5/16x¾"	.24
16 L 835	4S33E	.033	5/16x⅞"	.24
16 L 836	4S47E	.047	11/32x⅞"	.27
16 L 837	4S68E	.068	⅜x1"	.31
16 L 838	4P1E	.1	27/64x1"	.38
16 L 839	4P15E	.15	15/32x1¼"	.46
16 L 840	4P22E	.22	17/32x1⅜"	.50
16 L 841	4P33E	.33	9/16x1⅝"	.56
16 L 842	4P47E	.47	21/32x1⅝"	.64
16 L 843	4P68E	.68	¾x1¾"	.76
16 L 844	4W1E	1.0	13/16x2"	.92
16 L 845	4W1P25E	1.25	⅞x2"	1.04
16 L 846	4W1P5E	1.5	⅞x2¼"	1.15
16 L 847	4W2E	2.0	11/16x2¼"	1.57

NEW DPMS PAPER "MYLAR"

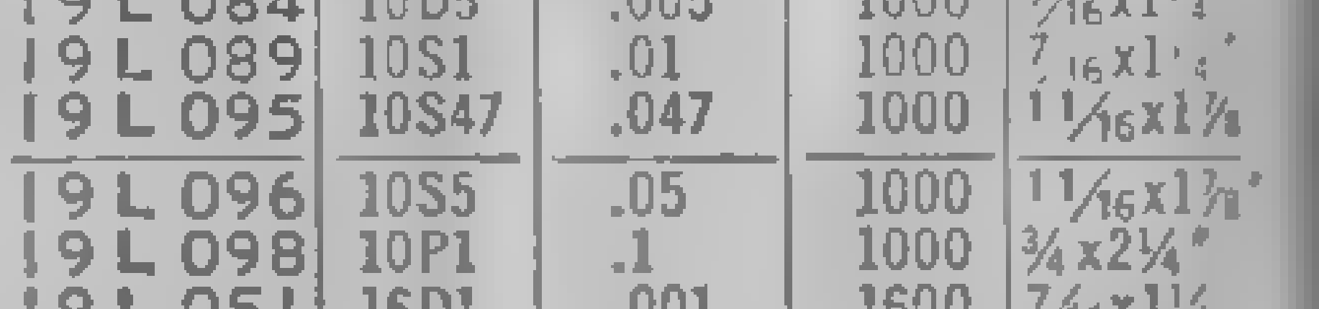


- **Compact—Space Sa**
- **Ideal for Printed an**
  Transistorized Circui

Type DPMS side-lead tub
offer high insulation resis
high operating tempera
range, and dual-dielectric.
structed with "Mylar" poly
film and a film of the h
grade paper. The combination of these two
vides a compact capacitor that is ideal fo
in printed and transistorized circuits. "F
impregnant will not crack, soften or flow,
at maximum operating temperatures.
leads are held rigidly at fixed spacings. To
durable case has high humidity resistance,
dielectric strength against grounding
unaffected by accidental contact with sold
iron. Temperature range is: −55°C to +1
Tolerance: ±10%. Av. shpg. wt., 4 oz.

Stock No.	Type	Mfd	WVDC	Size
19 L 785	2S2	.02	200	11/32x55/64"
19 L 781	2S47	.047	200	29/64x55/64"
19 L 782	2S5	.05	200	29/64x55/64"
19 L 783	2P1	.1	200	15/32x1 3/16"
19 L 786	2P15	.15	200	35/64x1 3/16"
19 L 784	2P25	.25	200	⅝x1 5/16"
19 L 787	4S1	.01	400	25/64x11/16"
19 L 788	4S2	.02	400	25/64x55/64"
19 L 792	4S22	.022	400	13/32x55/64"
19 L 789	4S5	.05	400	27/64x1 5/32"
19 L 790	4P1	.1	400	33/64x1 3/16"
19 L 793	4P22	.22	400	⅝x1 9/16"
19 L 791	4P25	.25	400	21/32x1 9
16 L 851	6D1	.001	600	11/32x11/16"
16 L 852	6D15	.0015	600	11/32x11/16"
16 L 853	6D2	.002	600	11/32x11/16"
19 L 794	6D22	.0022	600	11/32x11/16"
16 L 854	6D3	.003	600	⅜x11/16"
19 L 795	6D33	.0033	600	⅜x11/16"
16 L 850	6D4	.004	600	⅜x11/16"
16 L 855	6D47	.0047	600	13/32x11/16"
16 L 856	6D5	.005	600	13/32x11/16"
16 L 857	6D6	.006	600	13/32x11/16"
16 L 867	6D68	.0068	600	35/64x1 5/16"
16 L 858	6D75	.0075	600	⅜x⅞"
16 L 859	6S1	.01	600	25/64x⅞"
16 L 860	6S2	.02	600	7/16x⅞"
16 L 861	6S22	.022	600	15/32x⅞"
16 L 868	6S3	.03	600	27/64x1 5/32"
16 L 862	6S33	.033	600	7/16x1 5/32"
16 L 863	6S47	.047	600	31/64x1 5/32"
16 L 864	6S5	.05	600	31/64x1 5/32"
16 L 865	6S68	.068	600	35/64x1 19/64
16 L 866	6P1	.1	600	41/64x1 5/16"
16 L 869	16D1	.001	1600	23/64x⅞"
16 L 876	16D2	.002	1600	13/32x⅞"
16 L 870	16D3	.003	1600	31/64x⅞"
16 L 871	16D4	.004	1600	33/64x⅞"
16 L 872	16D5	.005	1600	9/16x⅞"
16 L 873	16D6	.006	1600	15/32x1 3
16 L 874	16D8	.008	1600	33/64x1 3/16"
16 L 875	16S1	.01	1600	33/64x1 3/16"

"CUB" HIGH-VOLTAGE CAPACI

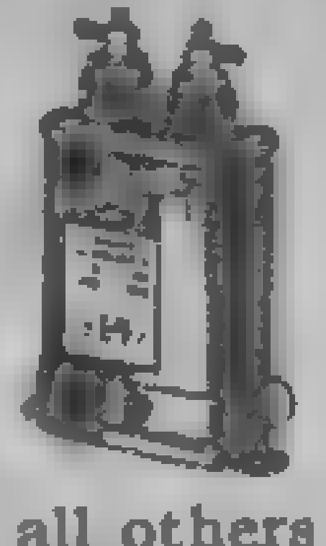


Paper tubular capacitors for general re
ment use. Molded in extra-hard, non-
mable bakelite, resistant to moisture a
temperature. Extra-strong copperweld
solder-sealed to capacitor. Dry assemble
sealed after impregnation. Temperature
is −55° to 100° C. Av. shpg. wt., 4 oz.

Stock No.	Type	Mfd	WVDC	Size
19 L 073	10D1	.001	1000	⅜x1"
19 L 081	10D3	.003	1000	⅜x1"
19 L 084	10D5	.005	1000	7/16x1¼"
19 L 089	10S1	.01	1000	7/16x1¼"
19 L 095	10S47	.047	1000	11/16x1⅞
19 L 096	10S5	.05	1000	11/16x1⅞"
19 L 098	10P1	.1	1000	¾x2¼"
19 L 051	16D1	.001	1600	7/16x1¼
19 L 053	16D2	.002	1600	7/16x1¼"
19 L 054	16D22	.0022	1600	7/16x1¼"
19 L 057	16D4	.004	1600	7/16x1¼
19 L 058	16D47	.0047	1600	7/16x1¼
19 L 059	16D5	.005	1600	7/16x1¼
19 L 060	16D6	.006	1600	9/16x1½
19 L 061	16D68	.0068	1600	9/16x1½
19 L 062	16D7	.007	1600	9/16x1½
19 L 064	16D8	.008	1600	9/16x1½
19 L 065	15S1	.01	1600	9/16x1½
19 L 067	16S2	.02	1600	11/16x1
19 L 068	16S22	.022	1600	11/16x1
19 L 069	16S3	.03	1600	11/16x1
19 L 071	16S5	.05	1600	¾x2¼"
19 L 076	60D1	.001	6000	9/16x1½"
19 L 077	60D5	.005	6000	11/16x1
19 L 080	100T5	.0005	10,000	11/16x1
19 L 085	125T25	.00025	12,500	11/16x1

Cornell-Dubilier Capacitors

ANSMITTING CAPACITORS TYPES TJU-TJL ETICALLY SEALED



ykanol capacitors for high- iable power supply filter ns in industrial, laboratory mitting equipment. Fea- etically sealed steel con- ielectric is impervious to aging effects. *Type TJL, all others TJU with universal mounting strap. pes 30040, 40040A have extra-wide bracket with dual mounting holes on ; all other TJL types have standard- ackets with single mounting holes. −55° to +85° C. Tolerance: ±10%. wt., 5 lbs.

600 VOLTS DC WORKING

	Type	Mfd	Size	EA.
	6010	1	2⅛x1 13/16x1 1/16"	3.42
	6020	2	2⅞x1 13/16x1 1/16"	3.96
	6040	4	3⅝x2⅛x1 9/16"	5.30
	6080	8	3 11/16x3¾x1¼"	7.58
	6100	10	4⅝x3¾x1¼"	8.75

1000 VOLTS DC WORKING

	Type	Mfd	Size	EA.
	10005	.5	2⅛x1 13/16x1 1/16"	3.49
	10010	1	2⅛x1 13/16x1 1/16"	3.72
	10020	2	4x1 13/16x1 1/16"	4.50
7	10040	4	4⅝x2⅛x1 9/16"	5.91
	10080	8	3⅞x3¾x1¾"	8.69
	10100	10	4⅝x3¾x1¾"	10.11
5	10150	15	4¾x3¾x2⅛"	14.28

2000 VOLTS DC WORKING

o.	Type	Mfd	Size	EA.
	20001	.1	2⅛x1 13/16x1 1/16"	4.52
	20005	.5	2⅞x1 13/16x1 1/16"	5.21
5	20010	1	3⅝x2⅛x1 9/16"	6.13
	20020	2	4x3¾x1¾"	7.76
7	20040	4	3 13/16x3¾x2¼"	11.04
	20080*	8	4¾x3¾x3 3/16"	17.18

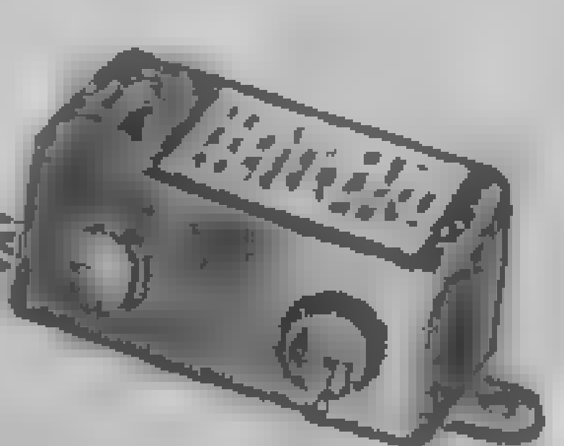
3000 VOLTS DC WORKING

	Type	Mfd	Size	EA.
6	30001	.1	2x2⅛x1 1/16"	8.89
7	300025	.25	2⅛x2⅛x1 9/16"	9.84
5	30010	1	3 13/16x3¾x2¼"	12.66
526	30020*	2	4⅛x3¾x3 1/16"	16.61
556	30040*	4	4¾x3¾x4 1/16"	22.93

4000 VOLTS DC WORKING

	Type	Mfd	Size	EA.
593	40005	.5	4x3¾x2¼"	11.59
57	40010	1	5x3¾x2¼"	14.68
659	40040A*	4	8x3¾x4 1/16"	31.35

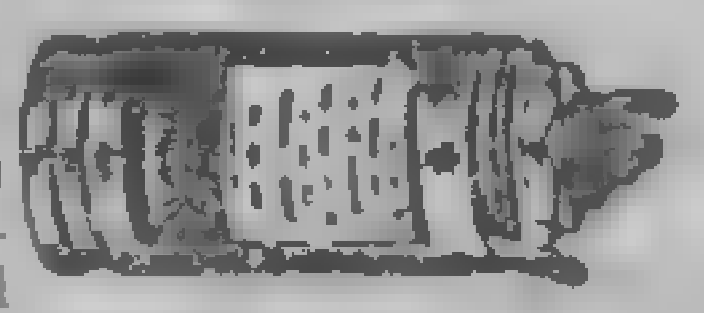
PE DYR PAPER CAPACITORS



reliability, metal Dykanol paper by- acitors. Non-induc- wound. Operate effi- in RF and AF by- AF coupling circuits ler severe humidity ns. Meet "F" char- tics of JAN-C-5. aircraft, submarine, marine and trop- cations. Metal shell. Tolerance: ±10%. DC, except *1000 WVDC. Operating −55°C to +85°C. Av. shpg. wt., 6 oz.

No.	Type	Mfd	Size	EA.
620	6005	.05	1 11/16x1x¾"	2.22
621	6010	.1	1 11/16x1x¾"	2.29
622	6025	.25	1 11/16x1x¾"	2.40
623	6050	.5	1 11/16x1x⅞"	2.58
624	6100	1.0	2x1¾x⅞"	2.96
625	6200	2.0	2x2x1⅛"	3.95
626	60055	.05-.05	1 13/16x1x¾"	3.07
627	6011	.1-.1	1 13/16x1x¾"	3.14
628	6022X	.25-.25	1 13/16x1x⅞"	3.24
630	6110	1.0-1.0	2x2x1⅛"	4.45
615	10025*	.25	1 11/16x1x¾"	2.51
616	10050*	.5	2x1¾x11/16"	2.69
619	10022*	.25-.25	2x1¾x11/16"	3.53

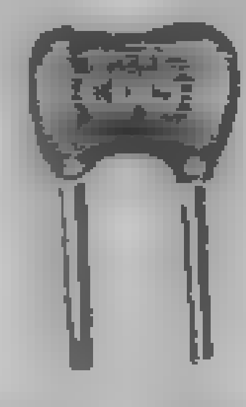
TLA & TNAD TRANSMITTING CAPACITORS



d to provide high factor and excep- long life. Inverted ¾" hole. TNAD6040 has two 10-32 terminals and two solder lug terminals ed from case; others have one screw al and one solder-type ground lug. Meet C25A test. 4½x1½" dia., except *2⅞x a. With mtg. hardware. Av. wt., 2 lbs.

No.	Type	Mfd	WVDC	EA.
630	TLA6020*	2	600	5.26
632	TLA6040	4	600	6.66
633	TNAD6040	4	600	7.19

NEW DIPPED-MICA CAPACITORS



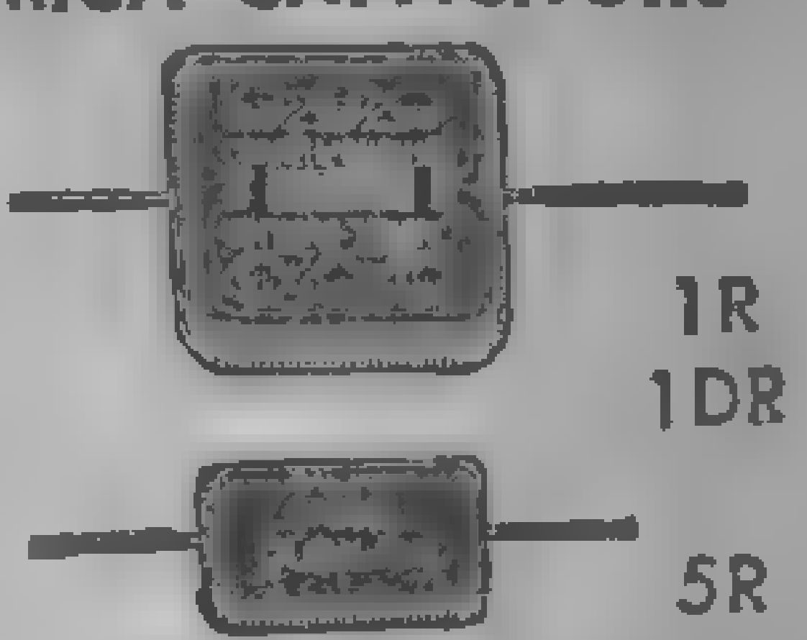
Phenolic dip-coated micas. Feature close temp. range, 0 to +70 ppm/° C; max. drift of ±.05% +0.1 mmf. 500 DCWV. Tol., ±5% or 0.5 mmf (whichever is greater). CD15 sizes: 1-100 mmf, 7/16x11/32x3/16" thick. *13/64" thick. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
19 L 995	CD15-5V1	1	20 L 011	CD15-5Q36	36
19 L 996	CD15-5V2	2	20 L 012	CD15-5Q39	39
19 L 997	CD15-5V3	3	20 L 013	CD15-5Q43	43
20 L 000	CD15-5V5	5	20 L 014	CD15-5Q47	47
20 L 001	CD15-5Q1	10	20 L 015	CD15-5Q5	50
20 L 002	CD15-5Q12	12	20 L 016	CD15-5Q51*	51
20 L 003	CD15-5Q15	15	20 L 017	CD15-5Q56*	56
20 L 004	CD15-5Q18	18	20 L 018	CD15-5Q62*	62
20 L 005	CD15-5Q2	20	20 L 019	CD15-5Q68*	68
20 L 006	CD15-5Q22	22	20 L 020	CD15-5Q75*	75
20 L 007	CD15-5Q24	24	20 L 021	CD15-5Q82*	82
20 L 008	CD15-5Q27	27	20 L 022	CD15-5Q91*	91
20 L 009	CD15-5Q3	30	20 L 023	CD15-5T1*	100
20 L 010	CD15-5Q33	33			

NET EACH..............................11¢

Stock No.	Type	Mmf	Size	NET EACH
20 L 024	CD15-5T11	110	7/16x11/32x13/64"	14¢
20 L 025	CD15-5T12	120		14¢
20 L 026	CD15-5T13	130		15¢
20 L 027	CD15-5T15	150		15¢
20 L 028	CD15-5T16	160	7/16x11/32x13/64"	16¢
20 L 029	CD15-5T18	180		18¢
20 L 030	CD15-5T2	200		18¢
20 L 031	CD15-5T22	220		19¢
20 L 032	CD15-5T24	240	7/16x11/32x13/64"	19¢
20 L 033	CD15-5T25	250		19¢
20 L 034	CD15-5T27	270		20¢
20 L 035	CD15-5T3	300		21¢
20 L 036	CD15-5T33	330	7/16x11/32x13/64"	24¢
20 L 037	CD15-5T36	360	7/16x11/32x13/64"	24¢
20 L 038	CD15-5T39	390	7/16x11/32x13/64"	25¢
20 L 039	CD19-5T43	430	39/64x15/32x11/64"	18¢
20 L 040	CD19-5T47	470	39/64x15/32x11/64"	20¢
20 L 041	CD19-5T5	500		20¢
20 L 042	CD19-5T51	510		20¢
20 L 043	CD19-5T56	560		22¢
20 L 044	CD19-5T62	620	39/64x15/32x11/64"	22¢
20 L 045	CD19-5T68	680		24¢
20 L 046	CD19-5T75	750		24¢
20 L 047	CD19-5T82	820		25¢
20 L 048	CD19-5T91	910	39/64x15/32x11/64"	27¢
20 L 049	CD19-5D1	1000	5/8x31/64x3/16"	29¢
20 L 050	CD19-5D11	1100	5/8x31/64x3/16"	29¢
20 L 051	CD19-5D12	1200	5/8x31/64x3/16"	32¢
20 L 052	CD19-5D13	1300	5/8x31/64x3/16"	34¢
20 L 053	CD19-5D15	1500		38¢
20 L 054	CD19-5D16	1600		40¢
20 L 055	CD19-5D18	1800		44¢
20 L 056	CD19-5D2	2000	21/32x33/64x7/32"	48¢
20 L 057	CD19-5D22	2200		50¢
20 L 058	CD19-5D24	2400		54¢
20 L 059	CD19-5D25	2500		56¢
20 L 060	CD19-5D27	2700	21/32x33/64x7/32"	61¢
20 L 061	CD19-5D3	3000	21/32x33/64x7/32"	67¢
20 L 062	CD20-5D33	3300	47/64x½x7/32"	61¢
20 L 063	CD20-5D36	3600	47/64x½x7/32"	65¢
20 L 064	CD20-5D39	3900	47/64x½x7/32"	69¢
20 L 065	CD20-5D43	4300	47/64x½x7/32"	74¢
20 L 066	CD30-5D47	4700	25/32x⅞x19/64"	74¢
20 L 067	CD30-5D5	5000	25/32x⅞x19/64"	78¢
20 L 068	CD30-5D51	5100	25/32x⅞x19/64"	78¢
20 L 069	CD30-5D56	5600		85¢
20 L 070	CD30-5D62	6200		92¢
20 L 071	CD30-5D68	6800		1.03
20 L 072	CD30-5D75	7500	25/32x⅞x19/64"	1.10
20 L 073	CD30-5D82	8200		1.21
20 L 074	CD30-5D91	9100		1.30
20 L 075	CD30-5S1	10,000		1.41

"SILVER MIKE" MICA CAPACITORS



Silvered mica midget capacitors. For circuits requiring frequency stability and high efficiency. All rated 500 WVDC, tested at 1000 VDC except *300 WVDC. All units fully equal upper limits of MIL specifications shown. Suffix J in MIL type indicates ±5% tolerance; K indicates ±10%. Av. shpg. wt., 2 oz.

Series 22R (CM-15) Size: ½x19/64x3/16".

Stock No.	Type	MIL Type	Mmf	EACH
14 L 850	22R5Q1	CM15B100K	10	11c
14 L 851	22R5Q15	CM15B150K	15	
14 L 852	22R5Q2	CM15C200J	20	
14 L 853	22R5Q22	CM15C220J	22	
14 L 854	22R5Q24	CM15C240J	24	
14 L 856	22R5Q3	CM15C300J	30	11c
14 L 857	22R5Q33	CM15C330J	33	
14 L 859	22R5Q39	CM15C390J	39	
14 L 861	22R5Q47	CM15C470J	47	
14 L 862	22R5Q5	....	50	
14 L 863	22R5Q51	CM15C510J	51	11c
14 L 864	22R5Q56	CM15C560J	56	
14 L 865	22R5Q62	CM15C620J	62	
14 L 866	22R5Q68	CM15C680J	68	
14 L 867	22R5Q75	CM15C750J	75	
14 L 868	22R5Q82	CM15C820J	82	11¢
14 L 870	22R5T1	CM15C101J	100	14¢
14 L 872	22R5T12	CM15C121J	120	14¢
14 L 873	22R5T13	CM15C131J	130	14¢
14 L 874	22R5T15	CM15C151J	150	17¢
14 L 889	22R5T16	CM15C161J	160	17¢
14 L 890	22R5T18	CM15C181J	180	18¢
14 L 875	22R5T2	CM15D201J	200	19¢
14 L 876	22R5T22	CM15D221J	220	19¢
14 L 877	22R5T25	....	250	20¢

1R, 1DR Series (CM-30, CM-35). Type 1R, 13/16" sq. x ¼". Type 1DR, 13/16" sq. x 5/16".

14 L 382	1R5D25	....	2500	.52
14 L 383	1R5D3	CM30E302J	3000	.59
20 L 076	1R5D39	CM35E392J	3900	.71
14 L 397	1R5D5	....	5000	.85
14 L 344	1DR3D68*	CM35E682J	6800	1.12
14 L 345	1DR3D75*	CM35E752J	7500	1.18
14 L 346	1DR3D82*	CM35E822J	8200	1.29
14 L 347	1DR3S1*	CM35E103J	10,000	1.55

Series 5R (CM-20). Size, 31/64x15/32x7/32".

18 L 017	5R5T27	CM20D271J	270	17¢
14 L 394	5R5T3	CM20D301J	300	17¢
14 L 386	5R5T33	CM20D331J	330	17¢
18 L 018	5R5T36	CM20D361J	360	17¢
14 L 387	5R5T39	CM20D391J	390	17¢
18 L 019	5R5T4	CM20D401J	400	22¢
18 L 020	5R5T43	CM20D431J	430	22¢
14 L 388	5R5T47	CM20D471J	470	22¢
14 L 396	5R5T5	....	500	22¢
14 L 389	5R5T51	CM20D511J	510	22¢
18 L 021	5R5T56*	CM20D561J	560	24¢
18 L 022	5R5T6*	CM20D601J	600	24¢
18 L 023	5R5T62*	CM20D621J	620	24¢
18 L 024	5R5T68*	CM20D681J	680	24¢
18 L 025	5R5T7*	CM20D701J	700	26¢
14 L 374	5R5T75	CM20D751J	750	26¢
14 L 375	5R5T82	CM20D821J	820	26¢
14 L 376	5R5D1	CM20D102J	1000	29¢
14 L 377	5R5D12	....	1200	32¢
14 L 378	5R5D15	....	1500	38¢
14 L 379	5R5D2	....	2000	44¢

"TINYMIKE" DISC CERAMIC CAPACITORS

Small disc-type ceramic capacitors. Construction assures minimized eddy current losses, low inductance, high stability. Type H is for low voltages, excellent for transistor circuits. Range: −55° C to +85° C except Type H, +10° to +85° C. All have a guaranteed minimum value, except *±10%; †±20%; §+100%, −0%; ‡+80%, −20%. Av. shpg. wt., 3 oz.

- Stable Performance
- Low Inductance

Series L. 1000 WVDC.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
20 L 085	L10V33*	3.3	19 L 566	L10T2*	200
19 L 556	L10V5*	5.0	18 L 711	L10T22*	220
20 L 086	L10V68*	6.8	19 L 567	L10T25*	250
20 L 087	L10V8*	8.0	19 L 568	L10T27*	270
19 L 557	L10Q1*	10	19 L 569	L10T33*	330
20 L 088	L10Q15*	15	19 L 570	L10T39*	390
20 L 089	L10Q2*	20	19 L 571	L10T47†	470
19 L 558	L10Q22*	22	19 L 572	L10T5†	500
20 L 090	L10Q25*	25	19 L 575	L10D1†	1000
20 L 091	L10Q33*	33	19 L 576	L10D15†	1500
19 L 559	L10Q47*	47	20 L 092	L10D2†	2000
19 L 560	L10Q5*	50	20 L 093	L10D33†	3300
19 L 562	L10T1*	100	20 L 094	L10D39†	3900
19 L 563	L10T12*	120	20 L 095	L10D4†	4000
19 L 564	L10T15*	150	20 L 096	L10D47†	4700
19 L 565	L10T18*	180	20 L 097	L10D5†	5000

NET EACH..............................15¢

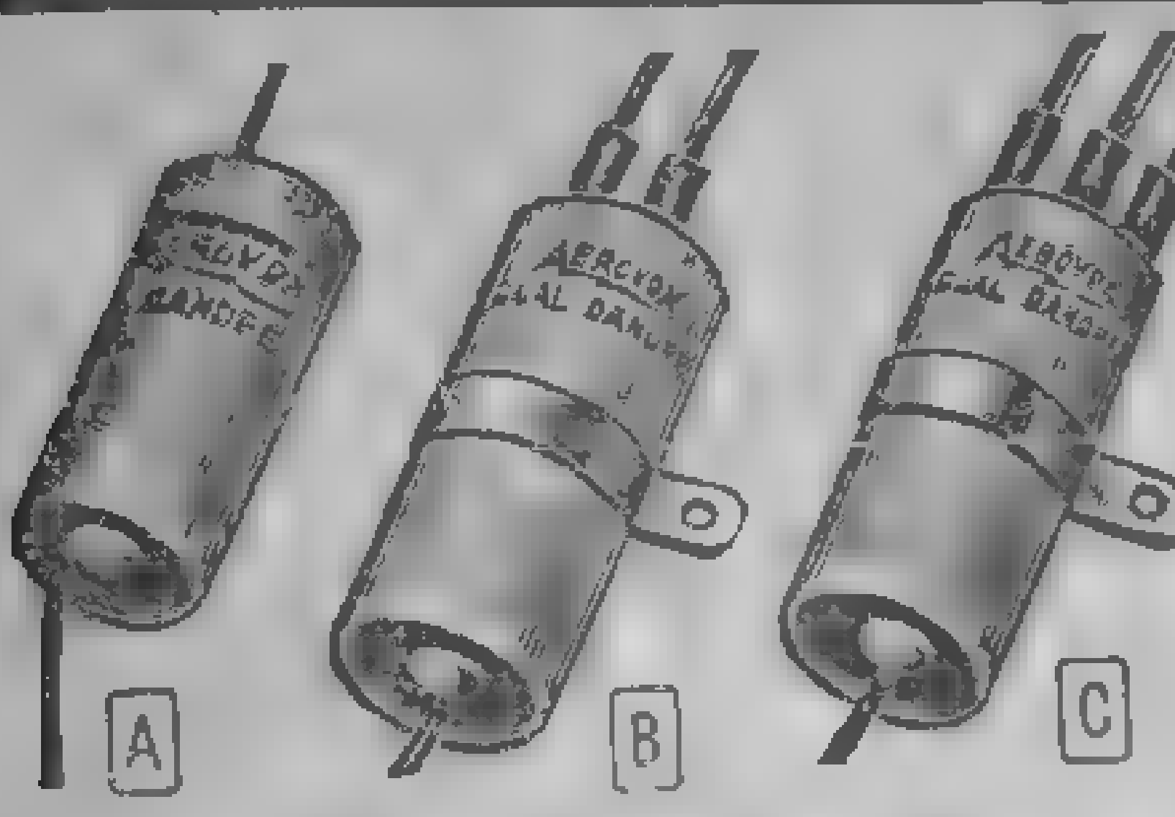
Series BYA, BYB. 1000 WVDC except ♯600 WVDC.

Stock No.	Type	Mmf	Size	EA.
20 L 098	BYA10T47	470	9/32x5/32"	12c
19 L 577	BYA10T5	500	9/32x5/32"	
20 L 099	BYA10D1	1000	9/32x5/32"	
19 L 579	BYA10D1M†	1000	⅜x5/32"	
19 L 580	BYA10D15	1500	⅜x5/32"	12¢
19 L 581	BYA10D2	2000	⅜x5/32"	12¢
19 L 582	BYA10D3	3000	19/32x5/32"	15¢
19 L 583	BYA10D4	4000	19/32x5/32"	15¢
18 L 708	BYA-10D47M†	4700	19/32x5/32"	15¢
19 L 584	BYA10D5	5000	⅝x5/32"	15¢
18 L 709	BYA10D68	6800	19/32x5/32"	15¢
18 L 710	BYA-6S1♯	10000	⅝x5/32"	15¢
19 L 585	BYA10S1	10000	¾x5/32"	15¢
19 L 586	BYB6S2♯	20000	⅞x7/32"	47¢

Series H. Rated 50 WVDC.

14 L 917	H05D1§	.001	9/16x⅛"	20¢
14 L 918	H05D5§	.005	11/16x⅛"	20¢
14 L 919	H05S1 §	.01	11/16x⅛"	21¢
14 L 920	H05S2 §	.02	½x⅛"	21¢
14 L 921	H05S25§	.025	½x⅛"	21¢
14 L 922	H05S5 ‡	.05	⅝x⅛"	22¢
14 L 923	H05P1 ‡	.10	⅝x5/16"	26¢

Aerovox Capacitors



PRS "DANDEE" MINIATURE ELECTROLYTICS

Extremely compact high-quality tubular electrolytics in metal cans with cardboard sleeves. Ideally suited to a wide variety of applications where space is at a premium, and dependable service is required. Negative leads are connected to aluminum cans. Dual and triple-section types have common negative leads. Single-section capacitors have bare, tinned copper leads, 3" long. Dual and triple-section types have flexible stranded-copper leads, 5" long, with insulating sleeves. All are conservatively rated for temperatures to 85°C. Av. shpg. wt., 4 oz.

A—SINGLE SECTION

Stock No.	Mfd	Volts	Size	NET EACH
13 L 639	8	700	15/16x3 1/16"	1.29
13 L 640	10	700	1 1/16x3 1/16"	1.38
13 L 642	16	700	1 1/16x3 1/16"	1.56
13 L 632	8	600	15/16x3 1/16"	1.23
13 L 633	10	600	1 1/16x3 1/16"	1.29
13 L 635	16	600	1 1/16x3 1/16"	1.50
12 L 617	1	450	9/16x1 1/4"	.65
12 L 618	2	450	9/16x1 1/4"	.65
13 L 385	4	450	11/16x1 1/2"	.68
13 L 386	8	450	13/16x1 1/2"	.73
13 L 394	10	450	13/16x1 3/4"	.76
13 L 387	12	450	15/16x1 1/2"	.79
13 L 388	16	450	15/16x1 3/4"	.82
13 L 389	20	450	1 1/16x1 3/4"	.91
13 L 395	30	450	1 1/16x2 1/4"	1.00
13 L 396	40	450	1 1/16x2 1/2"	1.06
12 L 619	50	450	1 1/16x3 1/4"	1.23
12 L 620	60	450	1 1/16x3 1/4"	1.38
12 L 621	80	450	1 1/16x3 3/4"	1.65
12 L 622	100	450	1 1/16x3 3/4"	1.88
12 L 612	10	350	13/16x1 3/4"	.73
13 L 403	16	350	13/16x1 3/4"	.82
13 L 404	24	350	15/16x1 3/4"	.91
12 L 613	30	350	13/16x2 1/4"	.97
12 L 614	40	350	15/16x2 1/4"	1.03
13 L 410	4	250	11/16x1 1/4"	.59
13 L 411	8	250	11/16x1 1/2"	.68
13 L 412	12	250	11/16x1 3/4"	.73
13 L 413	16	250	13/16x1 1/2"	.76
13 L 414	20	250	13/16x1 1/2"	.79
12 L 608	30	250	13/16x2 1/4"	.85
12 L 609	40	250	13/16x2 1/4"	.91
12 L 610	50	250	15/16x2 1/4"	1.00
12 L 611	60	250	15/16x2 1/4"	1.06
13 L 430	4	150	9/16x1 1/4"	.59
13 L 431	8	150	11/16x1 1/4"	.62
13 L 425	10	150	11/16x1 1/4"	.62
13 L 432	12	150	11/16x1 1/4"	.65
13 L 433	16	150	11/16x1 1/2"	.68
13 L 443	20	150	11/16x1 3/4"	.71
13 L 434	24	150	11/16x1 1/4"	.73
13 L 435	30	150	13/16x1 1/2"	.76
13 L 436	40	150	13/16x1 3/4"	.79
13 L 441	50	150	15/16x1 3/4"	.82
12 L 607	60	150	15/16x1 3/4"	.68
13 L 426	80	150	15/16x2 1/4"	.94
13 L 427	100	150	15/16x2 1/4"	1.03
13 L 428	150	150	1 1/16x3"	1.12
13 L 450	10	50	9/16x1 1/4"	.59
13 L 856	20	50	11/16x1 1/4"	.59
13 L 451	25	50	11/16x1 1/4"	.62
13 L 452	50	50	11/16x1 3/4"	.71
13 L 453	100	50	13/16x1 3/4"	.82
12 L 606	250	50	15/16x1 3/4"	1.03
13 L 460	10	25	9/16x1 1/4"	.59
13 L 858	16	25	9/16x1 1/4"	.59
13 L 461	25	25	9/16x1 1/4"	.59
13 L 462	50	25	11/16x1 1/2"	.65
13 L 463	100	25	13/16x1 1/2"	.79

A—SINGLE SECTION (Cont'd)

Stock No.	Mfd	Volts	Size	NET EACH
12 L 604	250	25	15/16x2 1/4"	1.00
13 L 857	500	25	1 1/16x2 1/2"	1.35
13 L 861	100	12	11/16x1 1/2"	.71
13 L 860	250	12	13/16x1 3/4"	.85
13 L 859	500	12	15/16x2 1/4"	1.00
12 L 600	100	6	11/16x1 1/4"	.71
13 L 864	500	6	13/16x1 3/4"	.91
13 L 863	1000	6	15/16x2 1/4"	1.12
13 L 862	2000	6	1 1/16x2 3/4"	1.35

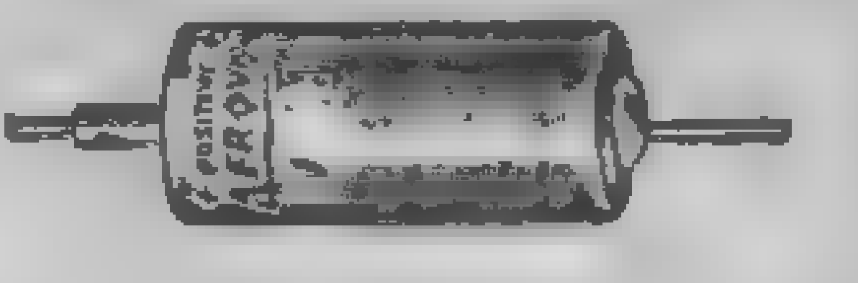
B—DOUBLE SECTION

13 L 391	8-8	450	13/16x2 1/4"	1.00
13 L 392	16-8	450	13/16x2 1/4"	1.18
13 L 397	10-10	450	15/16x2 1/4"	1.09
12 L 638	16-16	450	1 1/16x2 1/4"	1.32
12 L 639	20-20	450	13/16x3 1/16"	1.47
12 L 640	30-30	450	1 1/16x3 1/4"	1.76
12 L 641	40-20	450	1 1/16x3 1/4"	1.73
13 L 851	40-40	450	1 1/16x4"	1.97
12 L 642	50-30	450	1 1/16x4"	2.00
12 L 635	10-10	250	13/16x1 3/4"	.97
12 L 636	16-16	250	13/16x2 1/4"	1.00
13 L 852	20-20	250	15/16x2 1/4"	1.09
12 L 637	30-30	250	15/16x2 1/4"	1.32
13 L 437	8-8	150	11/16x1 3/4"	.88
13 L 439	20-20	150	13/16x1 3/4"	.97
12 L 625	30-20	150	13/16x2 1/4"	1.00
12 L 626	40-20	150	15/16x1 3/4"	1.03
12 L 627	30-30	150	15/16x1 3/4"	1.06
12 L 628	40-30	150	15/16x2 1/4"	1.06
13 L 442	40-40	150	15/16x2 1/4"	1.06
12 L 629	80 40	150	15/16x2 3/4"	1.29
13 L 853	50-30	150	15/16x2 1/4"	1.15
13 L 854	50 50	150	15/16x2 1/4"	1.23

C—TRIPLE SECTION

12 L 650	10 10 10	450	1 1/16x2 1/4"	1.44
12 L 665	20-20, 20	450, 25	1 1/16x2 3/4"	1.71
13 L 855	20-20-20	150	15/16x1 3/4"	1.29
13 L 870	30-20-10	150	15/16x1 3/4"	1.26
12 L 643	30-30 20	150	1 1/16x1 3/4"	1.35
12 L 644	30-30-30	150	15/16x2 1/4"	1.38
13 L 871	40-20-20	150	15/16x2 1/4"	1.32
12 L 645	40-30-20	150	15/16x2 1/4"	1.38
12 L 649	40-40 20	150	1 1/16x2 1/4"	1.38
13 L 872	40-40-40	150	1 1/16x2 1/4"	1.44
12 L 646	50-30-10	150	15/16x2 1/4"	1.38
12 L 647	50-30-20	150	1 1/16x2 1/2"	1.44
12 L 648	80 40-20	150	1 1/16x2 1/2"	1.62
12 L 659	40-20, 20	150, 25	15/16x1 3/4"	1.29
12 L 652	40-30, 20	150, 25	15/16x2 1/4"	1.29
12 L 660	40-40, 20	150, 25	1 1/16x1 3/4"	1.32
12 L 661	40-40, 100	150, 25	1 1/16x2 1/4"	1.44
12 L 656	40-40, 250	150, 10	1 1/16x2 1/4"	1.53
12 L 662	50 30, 20	150, 25	1 1/16x1 3/4"	1.38
12 L 655	50-50, 20	150, 25	1 1/16x2 1/4"	1.47
12 L 664	80-40, 20	150, 25	1 1/16x2 1/4"	1.56

SRE BANTAM ELECTROLYTICS METAL-CASED TUBULARS



Extremely s dry electrol metal tubular pacitors that dle full-sized

Ideal for limited space applications such hearing aids, personal portable radios, T ceivers and instruments. Especially use low-voltage miniaturized circuits. Herme ly-sealed in aluminum cans and furnished an external wax-impregnated insulating s Negative grounded to can. 0°C to 85°C at voltages. Available in a wide range of c tances and DC working voltages. Shpg.wt

Stock No.	Mfd	Volts	Size
13 L 830	5	150	3/8x1"
13 L 831	10	150	3/8x1 5/8"
13 L 819	20	150	1/2x1 5/8"
13 L 833	25	150	1/2x1 5/8"
13 L 847	1	50	3/8x1"
13 L 848	2	50	3/8x1"
13 L 849	5	50	3/8x1"
13 L 827	10	50	3/8x1"
13 L 828	15	50	3/8x1 1/8"
13 L 829	25	50	1/2x1"
13 L 844	5	25	3/8x1"
13 L 845	10	25	3/8x1"
13 L 846	20	25	3/8x1"
13 L 824	25	25	3/8x1"
13 L 825	50	25	1/2x1"
13 L 826	100	25	1/2x1 5/8"
13 L 821	50	12	3/8x1 1/8"
13 L 822	100	12	1/2x1"
13 L 823	200	12	1/2x1 5/8"
13 L 842	25	6	3/8x1"
13 L 838	50	6	3/8x1"
13 L 820	100	6	1/2x1 1/8"
13 L 843	250	6	1/2x1 5/8"
13 L 834	100	3	3/8x1"
13 L 835	200	3	3/8x1 5/8"
13 L 837	500	3	1/2x1 5/8"

TYPE P83Z MICROMINIATURE METALLIZED-PAPER TUBULARS

Ultra-small (resistor size); metallized diel For replacement and original use as co and bypass capacitors in radio, TV and tronic equipment. Hyvol K impregnat moisture-resistant cases. Improved met foil serves as both dielectric and elec Tolerance, ±25%. Av. shpg. wt., 2 oz.

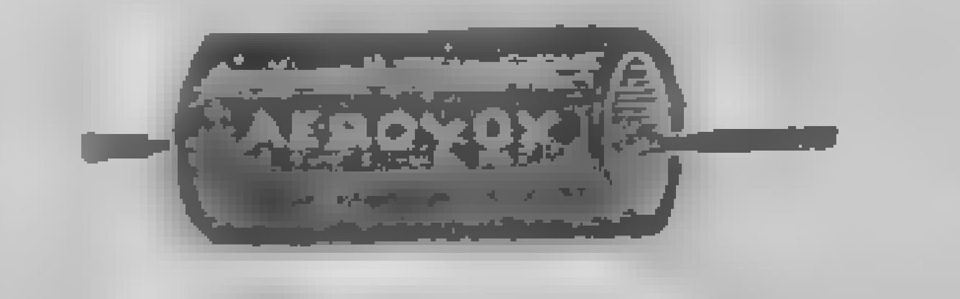
Stock No.	Mfd.	VDC	Size
13 L 492	.004	200	3/16x7/16"
13 L 885	.005	200	3/16x7/16"
13 L 886	.01	200	3/16x7/16"
13 L 493	.02	200	1/4x9/16"
13 L 494	.04	200	1/4x9/16"
13 L 887	.002	400	3/16x7/16"
13 L 888	.003	400	3/16x7/16"
13 L 495	.008	400	1/4x9/16"
13 L 889	.01	400	1/4x9/16"
13 L 890	.0005	600	3/16x7/16"
13 L 496	.0008	600	3/16x7/16"
13 L 891	.001	600	3/16x7/16"
13 L 892	.002	600	1/4x9/16"
13 L 497	.0022	600	
13 L 894	.0047	600	
13 L 895	.005	600	

XPP MINIATURIZED METAL-CASED ELECTROLYTICS

Miniature, hermetically sealed, tubular aluminum electrolytic capacitors. For applications where weight and size are at a premium. Ideal for portable radios, hearing aids, etc. Feature extended life; provide relatively high capacitance at low voltage. Tolerance: −10%, +250%. Temperature range −20°C to +65°C. Av. shpg. wt., 2 oz.

Stock No.	Mfd.	WVDC	Size	NET
18 L 830	25	3	1/4x5/8"	73¢
18 L 832	100	3	3/8x3/4"	82¢
18 L 834	2	6	3/16x1/2"	73¢
18 L 835	3	6	3/16x1/2"	73¢
18 L 836	4	6	3/16x5/8"	73¢
18 L 837	5	6	3/16x5/8"	73¢
18 L 924	10	10	1/4x5/8"	79¢
18 L 925	20	10	1/4x3/4"	79¢
18 L 926	50	10	3/8x5/8"	88¢
18 L 848	5	12	3/16x5/8"	79¢
18 L 927	5	15	1/4x5/8"	82¢
18 L 928	8	15	1/4x5/8"	82¢
18 L 931	30	15	3/8x3/4"	88¢
18 L 850	5	25	1/4x5/8"	82¢
18 L 851	6	25	1/4x5/8"	82¢
18 L 852	10	25	3/8x5/8"	85¢
18 L 853	15	25	3/8x3/4"	85¢
18 L 933	20	25	3/8x3/4"	88¢

NEW PWE-PTT "PEE-WEE" CERAMIC-CASED ELECTROLYTICS



Ideal For Limited Space Applications

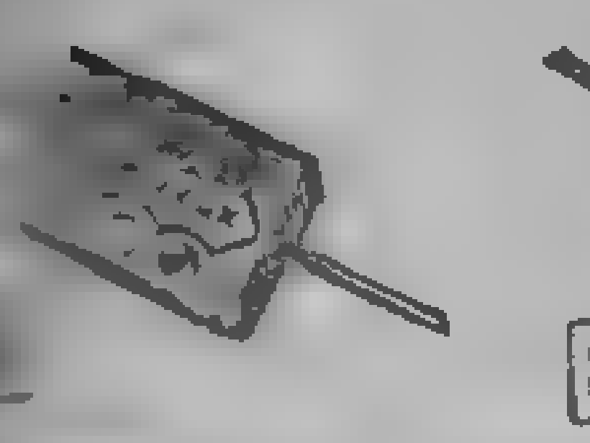
Ruggedly constructed miniature electrolytics. Encased in dense, steatite tubes with special plastic end-fill which binds ends securely to case. Especially suitable for limited space applications in transistorized radios, hearing aids, and other miniaturized electronic equipment. Operating temperature range: −30°C to +65°C. Capacity tolerance at 25°C: −10%, +250%. Sizes (diameter x length): A, 1/4x3/4"; B, 1/4x7/8"; C, 3/8x3/4"; D, 3/8x7/8"; E, 3/8x1"; F, 3/8x1 1/4"; G, 3/8x2". Av. shpg. wt., 2 oz.

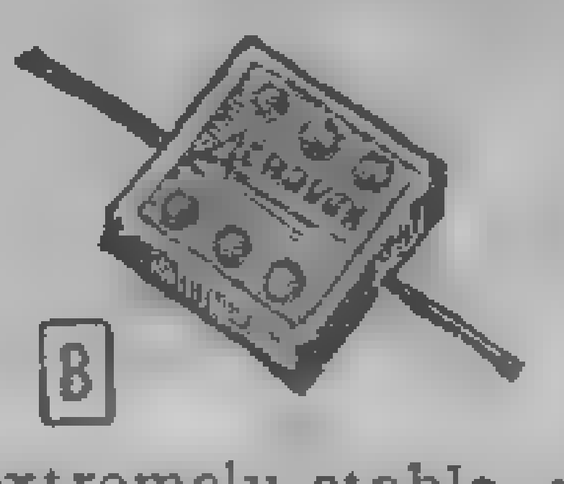
Stock No.	Type	Mfd	Volts	Size	EACH
11 L 850	3001	1	3	A	.73
11 L 851	3002	2	3	A	
11 L 852	3005	5	3	A	
11 L 853	3010	10	3	A	
11 L 854	3015	15	3	A	.73
11 L 855	3025	25	3	A	
11 L 856	3040	40	3	A	
11 L 857	3050	50	3	B	
11 L 858	3300	300	3	F	.97
11 L 859	3500	500	3	G	1.03
11 L 860	6010	10	6	A	.73
11 L 861	6025	25	6	B	.73

Stock No.	Type	Mfd	Volts	Size
11 L 862	6040	40	6	C
11 L 863	6050	50	6	C
11 L 864	6100	100	6	E
11 L 865	10002	2	10	A
11 L 866	10005	5	10	A
11 L 867	10010	10	10	A
11 L 868	10025	25	10	C
11 L 869	10040	40	10	C
11 L 870	10050	50	10	D
11 L 871	10100	100	10	F
11 L 872	25005	5	25	A
11 L 873	25008	8	25	A
11 L 874	25010	10	25	B
11 L 875	25015	15	25	C
11 L 876	25020	20	25	C
11 L 877	25025	25	25	C
11 L 878	25030	30	25	D
11 L 879	25040	40	25	D
11 L 880	25050	50	25	E
11 L 881	25100	100	25	G
11 L 882	50001	1	50	A
11 L 883	50002	2	50	A
11 L 884	50003	3	50	A
11 L 885	50005	5	50	B
11 L 886	50008	8	50	C
11 L 887	50010	10	50	C
11 L 888	50015	15	50	D
11 L 889	50020	20	50	E
11 L 890	50025	25	50	F

Aerovox Capacitors

MICA CAPACITORS





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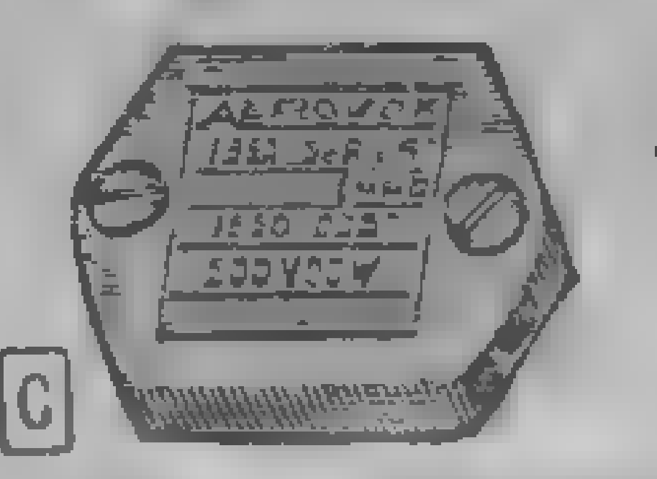


C

Molded in low-loss bakelite cases

election of extremely stable, molded mica capacitors. Listings tandard tolerances for general purpose use as well as precise for critical applications. MIL types are indicated.

E 1469—SILVERED MICA

WVDC. ±5% tolerance. x29/64x3/16". Shpg. wt., 2 oz.

	Mmf	MIL No.	NET EACH
0	5	CM-20C-050	24c
	10	CM-20C-100	
2	12	CM-20C-120	
3	15	CM-20C-150	
4	18	CM-20C-180	
5	20	CM-20C-200	24c
6	24	CM-20C-240	
7	27	CM-20C-270	
8	30	CM-20C-300	
9	33	CM-20C-330	24c
1	39	CM-20C-390	
2	43	CM-20C-430	
3	47	CM-20C-470	
4	50	CM-20C-500	24c
5	51	CM-20C-510	
6	56	CM-20C-560	
7	62	CM-20C-620	
8	68	CM-20C-680	24c
9	75	CM-20C-750	
20	82	CM-20C-820	
22	100	CM-20C-101	
23	150	CM-20C-151	26c
24	180	CM-20C-181	
25	200	CM-20D-201	
26	220	CM-20D-221	
27	240	CM-20D-241	32c
28	270	CM-20D-271	
29	300	CM-20D-301	
30	360	CM-20D-361	

E 1464—SILVERED MICA

WVDC, except *300 ±5% ance 53/64x53/64x9/32", †except 33/64x21/64. 2 oz.

	Mmf	MIL No.	NET EACH
31	470	CM-30D-471	.41
32	510	CM-30D-511	.41
33	560	CM-30D 561	.44
34	620	CM-30D-621	.44
35	680	CM-30D-681	.47
36	750	CM-30D-751	.47
37	820	CM 30D-821	.50
38	910	CM-30D-911	.53
39	1000	CM-30D-102	.59
40	2000	CM-30D-202	.79
41	3000	CM-30D-302	1.12
42	3900	CM-30D-392	1.18
43	5000	CM-30D-502	1.26
46	10000*†	CM-35D-103	2.06

TYPE 1468LS—MIL-C-5A

A 500 WVDC. ±20% tolerance. 45/64x29/64x3/16". Shpg. wt., 2 oz.

Stock No.	Mmf	MIL No.	NET EACH
12 L 468	5	CM-20B-050	18c
12 L 469	10	CM-20B-100	
12 L 470	20	CM-20B-200	
12 L 471	24	CM-20B-240	
12 L 472	30	CM-20B-300	18¢
12 L 473	50	CM-20B-500	12¢
12 L 474	82	CM-20B-820	12¢
12 L 475	100	CM-20B-101	12¢
12 L 476	150	CM-20B-151	15¢
12 L 477	200	CM-20B-201	15¢
12 L 478	250	CM-20B-251	18¢
12 L 479	270	CM-20B-271	18¢
12 L 480	300	CM-20B-301	18c
12 L 481	390	CM-20B-391	
12 L 482	430	CM-20B-431	
12 L 483	500	CM-20B-501	

TYPE 1467LS

B 500 WVDC, except *300. ±20% tolerance. 53/64x53/64x9/32". Shpg. wt., 2 oz.

12 L 778	560	CM-30B-561	18¢
12 L 779	680	CM-30B-681	18¢
12 L 780	910	CM-30B-911	18¢
12 L 781	1000	CM-30B-102	21¢
12 L 782	1500	CM-30B-152	24¢
12 L 783	2000	CM-30B-202	26¢
12 L 784	2200	CM-30B-222	26¢
12 L 785	2500	CM-30B-252	29¢
12 L 786	2700	CM-30B-272	29¢
12 L 787	3000	CM-30B-302	35¢
12 L 788	3300	CM-30B-332	35¢
12 L 789	4700	CM-30B-472	38¢
12 L 790	5000	CM 30B 502	41¢
12 L 791	5600	CM 30B-562	41¢
12 L 792	6200	CM-30B-622	53¢
12 L 793	7500	CM-30B-752	59¢
12 L 794	8200	CM-30B-822	59¢
12 L 795	10000*	CM-30B-103	71¢

TYPE 1652L

C 2500 WVDC. ±10% tolerance 1¾x15/16x7/16". Shpg. wt., 4 oz

Stock No.	Mfd	EACH
12 L 485	.0001	1.12
12 L 486	.0002	1.23
12 L 489	.0004	1.47
12 L 490	.0005	1.50
12 L 491	.001	1.71
12 L 492	.0015	2.29
12 L 493	.002	2.50
12 L 496	.005	3.65
12 L 497	.01	4.29

P84CM DURAMIC CERAMIC-CASED TUBULARS

Ceramic-cased paper tubular capacitors— for use in electronic equipment where outstanding performance and top dependability are required. Extremely durable and very compact with exceptional capacitance stability. Molded in non-inflammable ceramic, resistant to moisture, high temperature and shock. Excellent dielectric strength. Thermosetting type end seals provide exceptional humidity protection. Pigtail leads are firmly imbedded. Operating temperature range: −55°C to +85°C. ± 20% tolerance, except *, ±10%. Av. shpg. wt., 4 oz.

200 WVDC

Stock No.	Mfd	Size	EACH
12 L 400	.01	5/16x1"	15c
12 L 401	.015	3/8x1¼"	
12 L 402	.02	3/8x1¼"	
12 L 403	.022	3/8x1¼"	
12 L 404	.03	3/8x1¼"	
12 L 405	.033	3/8x1¼"	15¢
12 L 406	.047	7/16x1¼"	15¢
12 L 407	.05	7/16x1¼"	15¢
12 L 408	.068	17/32x19/16"	18¢
12 L 409	.1	17/32x19/16"	21¢
12 L 410	.15	17/32x1¾"	21¢
12 L 411	.2	5/8x1⅞"	21¢
12 L 413	.25	5/8x1⅞"	24¢
12 L 415	.47	13/16x2¼"	35¢
12 L 416	.5	13/16x2¼"	35¢
12 L 418	1.0	1x2¼"	53¢

400 WVDC

Stock No.	Mfd	Size	EACH
12 L 419	.0068	5/16x1"	15¢
12 L 420	.01	5/16x1"	15¢
12 L 421	.015	3/8x1¼"	15¢
12 L 422	.02	3/8x1¼"	15¢
12 L 423	.022	3/8x1¼"	15¢
12 L 424	.03	7/16x1¼"	18¢
12 L 426	.047	7/16x1½"	18¢
12 L 427	.05	7/16x1½"	18¢
12 L 429	.1	17/32x19/16"	21¢
12 L 431	.2	5/8x1⅞"	21¢
12 L 433	.25	¾x2"	29¢
12 L 434	.33	¾x2"	32¢
12 L 435	.47	13/16x2¼"	32¢
12 L 436	.5	13/16x2¼"	35¢
12 L 438	1.0	1x2⅞"	53¢

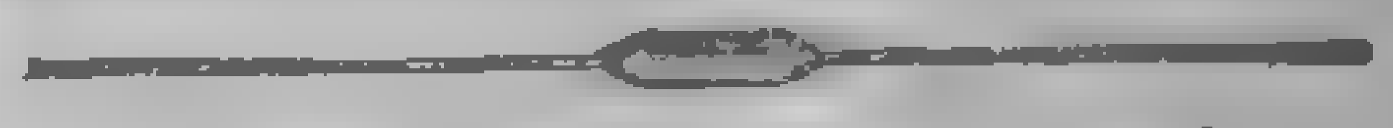
600 WVDC

Stock No.	Mfd	Size	EACH
12 L 439	.0005	5/16x1"	15c
12 L 440	.001	5/16x1"	
12 L 441	.0015	5/16x1"	
12 L 442	.002	5/16x1"	
12 L 443	.0022	5/16x1"	
12 L 444	.003	5/16x1"	15c
12 L 445	.0033	5/16x1"	
12 L 446	.004	5/16x1"	
12 L 447	.0047	5/16x1"	
12 L 448	.005	5/16x1"	
12 L 449	.006	5/16x1"	15¢
12 L 450	.0068	3/8x1¼"	18¢
12 L 451	.01	3/8x1¼"	18¢
12 L 452	.015	3/8x1¼"	18¢
12 L 453	.02	7/16x1¼"	18¢
12 L 454	.022	7/16x1¼"	18¢
12 L 455	.03	17/32x19/16"	21¢
12 L 456	.033	17/32x19/16"	21¢
12 L 457	.047	17/32x19/16"	24¢
12 L 458	.05	17/32x19/16"	24¢
12 L 459	.068	9/16x1⅞"	24¢
12 L 460	.1	5/8x1⅞"	26¢
12 L 461	.15	¾x2"	26¢
12 L 462	.2	13/16x2¼"	26¢
12 L 463	.22	13/16x2¼"	29¢
12 L 464	.25	⅞x2¼"	32¢
12 L 465	.33	1x2¼"	38¢
12 L 466	.47	1x2⅞"	41¢
12 L 467	.5	1x2⅞"	47¢

1000 WVDC

12 L 891	.0012*	5/16x1"	20¢
12 L 892	.018*	½x1½"	25¢
12 L 893	.025*	17/32x19/16"	25¢
12 L 894	.027*	17/32x19/16"	25¢
12 L 895	.033*	17/32x1⅞"	32¢

CERAFIL AND CEROL MINIATURE CERAMIC CAPACITORS



Actual Size (C-80V 102AM)

Cerafil ceramic capacitors are so small that over 350 of them will fit in a cubic inch of space! Units operate from −55°C to +85°C at 100 v. All values of Cerafil capacitors meet MIL-C-11015A specifications. Capacity tolerance, ±20%. All rated 100 WVDC. *Cerol ceramic capacitors are designed for general applications in bypass-coupling, filtering and blocking circuits. Extremely low series resistance makes them ideal for computer applications. Operate at 50 VDC up to 125°C. Meet MIL-C 11015B specifications. Sizes (dia. x length): .090x.320" to .400x1.41". Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Mfd	EACH
13 L 268	C-80V101AM	.0001	.50
13 L 269	C-80V221AM	.00022	.50
13 L 270	C-80V331AM	.00033	.50
13 L 271	C-80V471AM	.00047	.50
18 L 854	C-80V102AM	.001	.45
18 L 855	C-80V502AM	.005	.74
18 L 856	C-80V103AM	.01	1.05

Stock No.	Mfr's Type	Mfd	EACH
18 L 857	C-80V203AM	.02	1.79
10 L 961	CR-90V104AM*	.1	4.41
10 L 962	CR-90V254AM*	.25	5.88
10 L 963	CR-90V504AM*	.5	9.56
10 L 964	CR-90V105AM*	1.0	14.70
10 L 965	CR-90V205AM*	2.0	22.05

PLASTIC-COATED, DIPPED-MICA CAPACITORS

pact, plastic-coated, dipped-mica capacitors designed for long life and high ty over wide ranges of temperature and humidity. These units meet the appli- MIL C-5A test standards for molded mica capacitors. Employ radial-lead for insertion and plug-in assemblies—ideal for printed-circuit use and auto- insertion. Feature improved temperature coefficient range. Operate from −55° −125° C. Tolerance is ±5%. Rated 500 DCWV, except *300 DCWV. Max. size: M-15, 15/32x5/16x7/32"; ADM-19, 21/32x15/32x7/32". Av. shpg. wt., 2 oz.

k No.	Mfr's Type	Mmf	EACH
L 541	ADM-15-050	5	17c
L 542	ADM-15-100	10	
L 966	ADM-15-120	12	
L 543	ADM-15-150	15	
L 967	ADM-15 180	18	
L 544	ADM-15 200	20	17c
L 968	ADM-15 220	22	
L 969	ADM 15 240	24	
L 970	ADM 15 270	27	
L 545	ADM-15-300	30	
L 546	ADM 15 330	33	17c
L 547	ADM-15-360	36	
L 548	ADM-15-390	39	
L 971	ADM-15-430	43	
L 549	ADM-15-470	47	
L 572	ADM-15-500	50	17c
L 972	ADM-15-510	51	
L 573	ADM-15-560	56	
L 973	ADM-15-620	62	
L 574	ADM-15-680	68	
L 974	ADM-15-750	75	
L 575	ADM 15 820	82	17¢
L 975	ADM-15 910	91	17¢
L 576	ADM-15-101	100	17¢
L 976	ADM-15-111	110	20¢
L 977	ADM-15-121	120	20¢
L 978	ADM 15-131	130	20¢

Stock No.	Mfr's Type	Mmf	EACH
13 L 577	ADM 15-151	150	20¢
10 L 979	ADM-15-161	160	23¢
13 L 578	ADM-15-181	180	23¢
13 L 873	ADM-15-201	200	23¢
13 L 874	ADM-15-221	220	25¢
10 L 980	ADM 15-241	240	25¢
10 L 981	ADM 15 251	250	25¢
13 L 875	ADM 15 271	270	29¢
13 L 876	ADM-15 301	300	29¢
10 L 982	ADM 15 331	330	32¢
13 L 877	ADM-15 361	360	32¢
10 L 983	ADM 15 391	390	35¢
10 L 984	*ADM-15-431	430	35¢
13 L 878	*ADM-15-471	470	39¢
10 L 985	*ADM-15 501	500	39¢
18 L 879	*ADM-15-511	510	39¢
10 L 986	ADM-19-621	620	35¢
13 L 880	ADM-19-681	680	39¢
10 L 987	ADM-19-751	750	39¢
13 L 881	ADM-19-821	820	39¢
13 L 882	ADM-19-102	1000	45¢
10 L 988	ADM 19 122	1200	49¢
10 L 989	ADM 19 152	1500	55¢
10 L 990	ADM-19-182	1800	65¢
13 L 883	ADM-19 202	2000	72¢
10 L 991	ADM-19-222	2200	77¢
13 L 884	*ADM-19-302	3000	97¢

TYPE AEP PLUG-IN ELECTROLYTIC CAPACITORS

Plug-in type 1, 2 and 3-section electrolytic capacitors. Designed for continuous service applications; quickly changed by simply plugging in a new unit. Insulated, tube-type bases fit all standard octal sockets. Keyed guide pins insure correct installation and polarity. Vented for safety; etched aluminum foil construction. Common neg. Operating temperature to +65°C. Av. wt., 5 oz.

SINGLE SECTION

Stock No	Type	Mfd.	W. V.	Size	NET
18 L 936	400P	2000	15	1⅜x2½"	3.35
13 L 035	2J	10	450	1 3/32x2½"	2.29
13 L 037	4J	20	450	1 5/32x2½"	2.38
13 L 039	8J	40	450	1 3/32x2½"	2.70
13 L 040	16J	80	450	1⅜x3½"	3.18
13 L 041	2L	10	600	1⅜x4¼"	2.78

DUAL SECTION

13 L 044	22J	10-10	450	1 5/32x2½"	2.52
13 L 045	44J	20-20	450	1⅜x2½"	2.84
13 L 046	88J	40-40	450	1⅜x3"	3.23

TRIPLE SECTION

13 L 047	222J	10-10-10	450	1 5/32x2½"	2.72
13 L 048	444J	20-20-20	450	1⅜x3"	3.23
18 L 935	822J	40-10-10	450	1⅜x3"	3.18

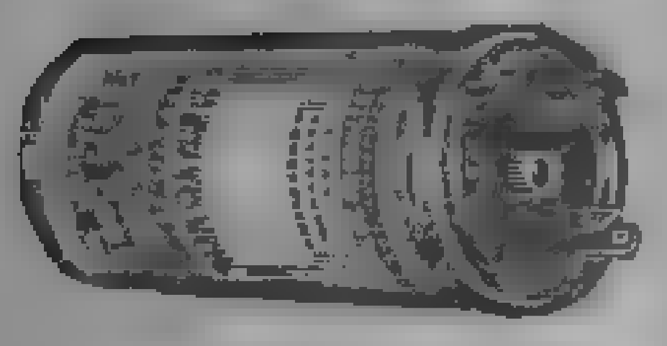
QUADRUPLE SECTION

18 L 934	G2222J	10-10-10-10	450	1⅜x2½"	3.05

Sprague, Cornell, & Mallory Capacitors

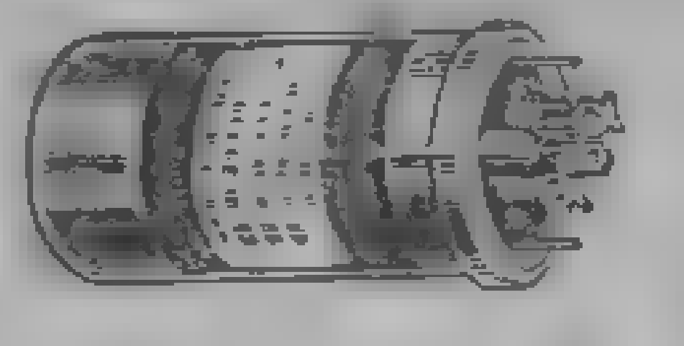
COMBINED LISTING OF TWIST PRONG ELECTROLYTICS

SPRAGUE TVL MIDGET CAN CAPACITORS



"Twist-Lok" hermetically sealed, aluminum can capacitors. Withstand extremely high temperatures, ripple currents, and surge voltages. Suitable for use in selenium rectifier circuits. Supplied with both bakelite and metal mounting washers. All types rated +85°C. Up to 150 WVDC, capacity tolerance is −10% to +100%; above 150 WVDC, tolerance is −10% to +50%. Can serves as common negative. Terminals are welded to capacitor cathodes and tinned for easy soldering. Capacity and voltage are clearly marked to eliminate replacement error. Av. shpg. wt., 6 oz.

CORNELL-DUBILIER UP AND UPE CAPACITORS



Efficient, electrolytic capacitors in hermetically sealed, seamless aluminum cans. Ideal for use in all types of original equipment as well as for exact replacement in radio, TV, audio, and other electronic equipment. Up to 50 WVDC, capacity tolerance is −10% to +250%; from 51 to 350 WVDC, tolerance is −10% to +100%; from 351 to 450 WVDC, tolerance is −10% to +50%. Up to 450 WVDC, temperature range to +85°C; 500 WVDC types, rated to +65°C. All are UP types except *UPE types which are designed for selenium rectifier circuits. Av. shpg. wt., 5 oz.

MALLORY TYPE FP, PFP, AND WP CAPACITORS

For filter, audio by-pa and TV circuits. Suita for use with selenium re tifiers. Stable under hi ripple current, surge vo ages, and temperatur FP types have exclusive Mallory Fabrica Plates—WP types have etched-plate anod PFP and PWP types are for printed circu Tolerances: 0-50 WVDC, −10% to +250 100-350 WVDC, −10% to +100%; over 3 WVDC, −10% to +50%. All types rated +85°C. Insulating washer supplied. Can common negative except† can isolated fr negative. For mounting hardware, see capa tor hardware section. Av. shpg. wt., 6 oz.

Single Section Capacitor Size Chart

Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L
A	¾x2"	C	1x2½"	E	1x3½"	G	1x4"	J	1⅜x2½"	L	1⅜x3½"	N	1⅜x4"
B	1x2"	D	1x3"	F	1x3⅝"	H	1⅜x2"	K	1⅜x3"	M	1⅜x3⅝"	P	1⅜x4½"

SINGLE SECTION—Specify Stock No. & Mfr's Type No. When Ordering

Stock No.	Cap. Mfd.	DC WV	Sprague Type	Sprague Size	C-D Type	C-D Size	Mallory Type	Mallory Size	NET EACH
70 LL 900	10	500	TVL-1940	B	A0520	B	FP171	B	1.11
70 LL 901	20	500	TVL-1943	C	A0530	C	FP173	B	1.28
70 LL 902	30	500	TVL-1947	D	XA0541	D	FP175	C	1.45
70 LL 903	40	500	TVL-1950	E	A0550	F	FP177	D	1.62
70 LL 904	80	500	TVL-1958	K	A0560	M			2.72
70 LL 905	90	500	TVL-1960	L	A0570	M	FP187	K	2.70
70 LL 906	40	475	TVL-1820	H	A0516	H			1.83
70 LL 907	10	450	TVL-1705	B	A0430	B	FP142	A	.95
70 LL 908	15	450	TVL-1709	B	A0450	B	FP143	B	1.13
70 LL 909	20	450	TVL-1714	B	A0460	B	FP144	B	1.19
70 LL 910	30	450	TVL-1720	C	A0470	C	FP145	C	1.32
70 LL 911	40	450	TVL-1725	D	A0480	D	FP146	C	1.44
70 LL 912	50	450	TVL-1728	D	A0490	F			1.68
70 LL 913	80	450	TVL-1735	J	A0510	K	FP149	J	2.15
70 LL 914	100	450	TVL-1750	K	A0512	K	FP150	K	2.42
70 LL 915	125	450	TVL-1760	N	A0514	P			2.93
70 LL 916	40	350	TVL-1621	B	A0380	C			1.34
70 LL 917	50	350	TVL-1622	D	A0390	D	FP137	C	1.36
70 LL 918	80	350	TVL-1630	K	XA0401*	J			2.09
70 LL 919	125	350	TVL-1638	L	XA0411*	K	FP140	K	2.08
70 LL 920	150	350	TVL-1642	N	XA0415*	M			2.14
70 LL 921	80	300	TVL-1573	E	XA0331*	D	FP128	D	1.47
70 LL 922	100	300	TVL-1578	G	A0340	K	FP129.1	D	1.60
70 LL 924	150	300	TVL-1584	L	XA0355*	K	FP131	K	2.17
70 LL 925	250	300	TVL-1590	N					3.00
70 LL 926	20	250	TVL-1509	B	A0270	A			.98

Stock No.	Cap. Mfd.	DC WV	Sprague Type	Sprague Size	C-D Type	C-D Size	Mallory Type	Mallory Size	NE EA
70 LL 927	40	250	TVL-1519	B	XA0291*	B			1.3
70 LL 928	100	250	TVL-1535	D	XA0312*	D			1.7
70 LL 929	150	250	TVL-1540	J	XA0315*	J			2.2
70 LL 930	200	250	TVL-1547	L	XA0318*	K			1.7
70 LL 931	120	200			XA0265.3*	H	FP121	H	1.6
70 LL 932	160	200	TVL-1473	K			PFP122	J	1.8
70 LL 933	50	150	TVL-1415	C	A0200	B	FP115	B	1.0
70 LL 934	80	150	TVL-1420	C	XA0231*	B			1.3
70 LL 935	100	150	TVL-1423	C	XA0241*	C	FP116	C	1.2
70 LL 936	120	150	TVL-1425	E	A0250	H	FP116.5	D	1.2
70 LL 937	140	150	TVL-1428	D			PFP116.8	C	1.2
70 LL 938	150	150	TVL-1429	D	XA0261*	D	FP117	D	1.3
70 LL 939	150	150	TVL-1430	K					1.3
70 LL 940	200	150	TVL-1431	N	XA0262*	J	FP118	J	1.7
70 LL 941	300	150	TVL-1434	L		K	FP119	K	2.0
70 LL 942	100	50	TVL-1317	A	A0140	A			1.0
70 LL 943	500	50	TVL-1330	J	A0160	L	WP065	H	1.6
70 LL 944	1000	50	TVL-1338	L	A0170	M			2.5
70 LL 945	1500	50	TVL-1341	N	A0174	P	WP068	N	3.0
70 LL 946	40	25	TVL-1210	A	A0090	A	WP052	A	.8
70 LL 947	500	25	TVL-1220	B	A0120	B	WP057	C	1.4
70 LL 948	1000	25	TVL-1230	H	A0130	H	WP059	H	2.1
70 LL 949	1000	15	TVL-1165	C	A0060	C	WP039	C	1.5
70 LL 950	2000	15	TVL-1168	H	A0070	J	WP041	J	2.3
70 LL 951	3000	15	TVL-1170	K	A0080	K	WP042	K	3.0
70 LL 952	2000	6	TVL-1115	H	A0040	H			2.2

DUAL SECTION—Specify Stock No. & Mfr's Type No. When Ordering

Stock No.	Cap. Mfd.	DC Wkg. Volts	Sprague Type	Sprague Size	C-D Type	C-D Size	Mallory Type	Mallory Size	NET EACH
70 LL 953	10-10	500	TVL-2933	1x2½"	B0490	1x2½"			1.76
70 LL 954	20-20	500	TVL-2935	1⅜x2½"	B0500	1⅜x2½"			2.11
70 LL 955	30-30	500	TVL-2937	1⅜x3"			FP284	1⅜x2½"	2.33
70 LL 956	40-40	500	TVL-2940	1⅜x3"	B0530	1⅜x3⅝"	FP288	1⅜x3"	2.68
70 LL 957	60 40	500	TVL-2944	1⅜x3½"	B0510	1⅜x3⅝"			3.19
70 LL 958	15-15	475	TVL-2820	1x2½"	B0485	1x2½"	FP258	1x2½"	1.52
70 LL 959	30-10	475	TVL-2824	1x3"	B0486	1⅜x2"	FP259	1x3"	1.67
70 LL 960	40-40	475	TVL-2830	1⅜x3"			FP262	1⅜x3"	2.50
70 LL 961	80-40	475	TVL-2850	1⅜x4"			FP264.5	1⅜x4"	3.10
70 LL 962	80-50	475	TVL-2851	1⅜x4"	B0489	1⅜x4½"	FP266	1⅜x4"	3.25
70 LL 963	10-10	450	TVL-2750	1x2"	B0370	1x2"	FP231	1x2"	1.33
70 LL 964	20-10	450	TVL-2754	1x2½"	B0390	1x2½"	FP231.3	1x2½"	1.45
70 LL 965	15-15	450	TVL-2753	1x2½"	B0380	1x2½"			1.53
70 LL 966	20-20	450	TVL-2755	1x3"	B0400	1x3"	FP234	1x3"	1.59
70 LL 967	30-10	450	TVL-2757	1x3"	B0410	1x3"			1.67
70 LL 968	30-30	450	TVL-2759	1⅜x2½"	B0430	1⅜x2½"	FP237	1⅜x2½"	2.07
70 LL 969	40-20	450	TVL-2762	1⅜x2½"	B0440	1⅜x2½"			2.18
70 LL 970	40-40	450	TVL-2764	1⅜x3"	B0450	1⅜x3"	FP238	1⅜x3"	2.33
70 LL 972	50-50	450	TVL-2767	1⅜x3"	XB0455*	1⅜x3"	FP240†	1⅜x3"	2.57
70 LL 973	60-40	450	TVL-2770	1⅜x3½"	B0462	1⅜x3⅝"			2.73
70 LL 974	60-60	450	TVL-2772	1⅜x3½"			FP242.5	1⅜x4"	2.85
70 LL 975	80-10	450	TVL-2776	1⅜x3"	B0470	1⅜x3"			2.58
70 LL 976	80-20	450	TVL-2776.5	1⅜x3½"	B0473	1⅜x3⅝"	FP245.2	1⅜x3"	2.57
70 LL 977	80-40	450	TVL-2778	1⅜x3½"	B0480	1⅜x3⅝"			2.98
70 LL 978	100-40	450	TVL-2780	1⅜x4"	B0483	1⅜x4½"			3.25
70 LL 979	80-50	450-50	TVL-2710	1⅜x3"	B0720	1⅜x3"	FP244	1⅜x3"	2.40
70 LL 980	80-100	450-50	TVL-2711	1⅜x3"	B0722	1⅜x3⅝"			2.60
70 LL 981	10-20	450-25	TVL-2701	1x2"	B0630	1x2"			1.27
70 LL 982	80-60	400	TVL-2677	1⅜x4"	B0354	1⅜x3⅝"			3.02
70 LL 984	15-15	350	TVL-2625	1x2"	B0290	1x2"	FP225	1x2"	1.33
70 LL 985	20-20	350	TVL-2626	1x3"	B0300	1x2½"	FP227	1x2½"	1.41
70 LL 986	30-30	350	TVL-2628	1x3"	B0310	1x3"	FP227.3	1x3"	1.58
70 LL 988	100-100	350	TVL-2641	1⅜x4"	B0332	1⅜x4½"	FP227.7	1⅜x4"	3.00
70 LL 989	10-10	300	TVL-2565	1x2"			PFP217.86	1⅜x2"	1.29
70 LL 990	40-40	300	TVL-2575	1⅜x2½"	XB0254*	1x3"	FP217.87	1⅜x2"	1.83
70 LL 991	80-80	300	TVL-2585	1⅜x3½"	B0270	1⅜x3"			2.51
70 LL 992	20-20	250	TVL-2515	1x2"	B0210	1x2"	FP217	1x2"	1.28
70 LL 993	40-40	250	TVL-2520	1x3½"	XB0241*	1x3"	FP221	1x3"	1.74
70 LL 994	150-150	250	TVL-2535	1⅜x4"	B0250	1⅜x4½"	FP217.7	1⅜x4"	2.89
70 LL 995	200-5	200	TVL-2470	1⅜x2"	XB0196*	1⅜x2½"			2.42
70 LL 997	20-20	150	TVL-2415	1x2"	XB0091*	1x2"	FP208	1x2"	1.19
70 LL 998	30-30	150	TVL-2422	1x2"	B0110	1x2"	FP211	1x2"	1.24
70 LL 999	40-20	150	TVL-2425	1x2"	B0120	1x2"	FP210	1x2"	1.24
70 LL 800	40-40	150	TVL-2428	1x2½"	XB0141*	1x2"	FP212	1x2"	1.30
70 LL 801	50-30	150	TVL-2432	1x2½"	B0150	1x2"	FP213	1x2"	1.30

Sprague, Cornell, & Mallory Capacitors

DUAL SECTION (Cont'd)—Specify Stock No. & Mfr's Type No. When Ordering

ck	Cap. Mfd.	DC Wkg. Volts	Sprague		C-D		Mallory		NET EACH
			Type	Size	Type	Size	Type	Size	
802	50-30	150	....	....	....	....	PFP213.1	1x2"	1.10
803	50-50	150	TVL-2435	1x2½"	XB0161*	1x2½"	FP214	1x2½"	1.36
804	70-30	150	TVL-2439	1x2½"	....	....	PFP214.3	1x2"	1.29
805	80-40	150	TVL-2442	1⅜x2½"	XB0181*	1x2½"	FP216.2	1x3"	1.41
806	80-50	150	TVL-2442.1	1x2½"	....	....	....	....	1.51
807	200-5	150	TVL-2444	1⅜x3"	....	....	FP216.1	1⅜x2½"	2.08
808	200-200	150	TVL-2447	1⅜x4"	....	1⅜x3⅝"	FP216.4	1⅜x4"	1.55
809	200-200	150	....	....	....	....	PFP216.4	1⅜x3"	2.35
810	50-50	50	TVL-2320	1x2"	B0080	1x2"	WP202.1	1x2"	1.21
811	100-100	50	TVL-2326	1x2"	B0085	1x2"	WP202.5	1x2"	1.33
812	40-40	25	TVL-2210	1x2"	B0060	1x2"	WP201.1	1x2"	1.16
813	1000-1000	15	TVL-2160	1x3½"	B0040	1⅜x2½"	WP200	1⅜x2½"	2.51

TRIPLE SECTION—Specify Stock No. & Mfr's Type No. When Ordering

ck No.	Cap. Mfd.	DC Wkg. Volts	Sprague		C-D		Mallory		NET EACH
			Type	Size	Type	Size	Type	Size	
814	10-10-10	500	TVL-3952	1x3"	C0380	1x3"	....	....	2.11
815	30-20-20	500	TVL-3956	1⅜x3"	C0390	1⅜x3"	....	....	2.79
816	40-40-10	500	TVL-3965	1⅜x3½"	C0410	1⅜x3⅝"	....	....	3.16
817	40-40-100	500-500-200	TVL-3935	1¾x4"	C1180	1⅜x4⅛"	....	....	3.03
818	20-10-100	500-500-50	TVL-3928	1x4"	C1150	1x3½"	....	....	1.95
820	30-30-20	475	TVL-3840	1⅜x3"	C0371	1⅜x3"	FP396	1⅜x3"	2.77
821	40-10-10	475	TVL-3841	1⅜x3"	....	....	FP396.2	1⅜x2½"	2.52
822	40-30-30	475	TVL-3843	1⅜x4"	C0374	1⅜x3⅝"	....	....	3.09
309	20-10-100	475-475-50 E	TVL-3817	1⅜x2"	....	....	....	....	2.11
823	10-10-10	450	TVL-3776	1x3"	C0240	1x2½"	FP375.8	1x2½"	1.67
824	15-15-10	450	TVL-3778	1x3½"	C0250	1x3"	FP376.1	1x3"	1.62
825	20-10-10	450	TVL-3779	1x3"	C0260	1x3"	FP376.3	1x3"	1.57
826	20-20-20	450	TVL-3780	1⅜x2½"	C0270	1⅜x2½"	FP376.5	1⅜x2½"	2.32
827	30-20-20	450	TVL-3781	1⅜x3"	C0280	1⅜x3"	....	....	2.47
828	30-30-30	450	TVL-3782	1⅜x3½"	C0300	1⅜x3"	....	....	2.72
829	40-30-20	450	TVL-3784	1⅜x3"	C0330	1⅜x3"	....	....	2.72
830	40-40-10	450	TVL-3785	1⅜x3½"	C0340	1⅜x3"	FP376.8	1⅜x3"	2.72
831	40-40-20	450	TVL-3786	1⅜x3"	C0344	1⅜x3⅝"	....	....	2.87
832	40-40-40	450	TVL-3787	1⅜x3½"	C0350	1⅜x3⅝"	FP377	1⅜x4"	3.12
833	60-20-20	450	TVL-3789	1⅜x3"	C0360	1⅜x3⅝"	....	....	2.87
834	60-30-10	450	TVL-3790	1⅜x3"	....	....	....	....	2.85
835	60-40-20	450	TVL-3791	1⅜x3½"	C0365	1⅜x3⅝"	....	....	3.12
836	80-40-20	450	TVL-3793	1⅜x4"	C0370	1⅜x4⅛"	FP378	1⅜x4"	3.40
837	40-10-80	450-450-200	TVL-3761	1⅜x3"	C1050	1⅜x3"	....	....	2.49
838	40-40-100	450-450-200	TVL-3764	1⅜x4"	....	....	FP375	1⅜x4"	3.12
839	40-40-40	450-450-150	TVL-3758	1⅜x3½"	C1100	1⅜x3⅝"	....	....	2.73
840	20-10-50	450-450-50	TVL-3751	1x3"	C0970	1x3"	FP366	1x3"	1.75
310	30-15-150	450-450-50	TVL-3753	1⅜x3"	....	....	....	....	2.29
841	40-10-100	450-450-50	TVL-3754.2	1⅜x3"	C1090	1⅜x3⅝"	....	....	2.75
842	80-20-100	450-450-50	TVL-3757	1⅜x4"	C1108	1⅜x4⅛"	....	....	3.02
843	10-10-20	450-450-25	TVL-3731	1x2½"	C0910	1x2"	FP345.2	1x2"	1.55
844	20-10-20	450-450-25	TVL-3735	1x3"	C0960	1x2½"	....	....	1.69
845	20-20-20	450-450-25	TVL-3739	1x3"	C0990	1x3"	FP345.8	1x3"	1.83
847	40-40-20	450-450-25	TVL-3744	1⅜x3"	C1070	1⅜x3"	FP346	1⅜x3"	2.62
848	40-90-50	450-150-150	TVL-3708	1⅜x3"	C1260	1⅜x3"	FP341	1⅜x3"	2.48
849	100-10-80	400-400-350	TVL-3689.3	1⅜x4"	C0896	1⅜x4⅛"	FP333.85	1⅜x4"	3.53
850	20-20-20	400-400-25	TVL-3678	1x3"	....	....	....	....	1.77
851	10-10-10	350	....	....	C0210	1x2"	FP330.5	1x2"	1.53
852	30-20-10	350	TVL-3639.8	1x3"	C0225	1x3"	FP330.7	1x3"	1.80
853	60-40-20	350	TVL-3640	1⅜x4"	C0230	1⅜x3"	....	....	2.59
855	20-10-5	350-350-250	TVL-3639.4	1x2½"	C0790	1x2"	FP330.3	1x2"	1.56
856	100-60-20	350-350-200	TVL-3639.2	1⅜x4"	C0875	1⅜x4⅛"	....	....	3.09
857	15-10-20	350-350-25	TVL-3630	1x2½"	C0770	1x2"	FP328	1x2"	1.51
858	20-20-20	350-350-25	TVL-3635	1x2½"	C0800	1x2½"	FP329.5	1x2"	1.64
859	20-10-20	350-350-25	TVL-3634	1x2½"	C0780	1x2"	....	....	1.55
860	30-30-20	350-350-25	TVL-3636.3	1⅜x2"	C0840	1⅜x2"	....	....	2.06
861	30-30-20	350-300-25	TVL-3620	1x3"	C1310	1x3"	FP331	1x3"	1.56
311	10-50-100	350-150-50	TVL-3608	1x3½"	....	....	....	....	1.66
862	10-10-10	300	TVL-3580	1x2"	C0210	1x2"	....	....	1.53
863	120-50-40	300	TVL-3585	1⅜x4"	C0200	1⅜x4⅛"	....	....	3.04
864	150-100-30	300	....	....	....	....	PFP326.76	1⅜x4"	3.00
866	100-60-20	300-250-250	TVL-3562	1⅜x4"	XC1209*	1⅜x4⅛"	FP335	1⅜x3"	2.73
867	200-60-20	300-250-250	TVL-3563	1⅜x4"	XC1212*	1⅜x5"	....	....	3.60
869	100-200-60	300-150-150	TVL-3560.5	1⅜x4"	....	....	FP326.3	1⅜x4"	3.12
870	40-20-20	250	TVL-3540	1x3½"	C0160	1x3"	FP320	1⅜x2"	1.72
871	30-30-20	250-250-25	TVL-3513	1x3"	C0670	1x2½"	....	....	1.62
872	80-40-50	250-150-50	TVL-3506	1⅜x2½"	C1280	1⅜x2½"	FP319	1⅜x2½"	2.15
873	80-10-20	200-200-50	TVL-3471	1x3"	....	....	....	....	1.58
874	60-200-140	200-150-150	TVL-3461.4	1⅜x4"	XC1202*	1⅜x4⅛"	....	....	2.98
875	20-20-20	150	TVL-3433	1x2½"	XC0041*	1x2"	FP311.2	1x2"	1.47
876	40-20-20	150	TVL-3437	1x2½"	XC0071*	1x2"	FP311.4	1x2½"	1.56
877	40-30-20	150	TVL-3438	1x2"	C0080	1x2"	....	....	1.53
878	40-40-40	150	TVL-3440	1x3½"	C0090	1x2½"	FP311.5	1x3"	1.62
879	50-40-30	150	....	....	....	....	PFP311.63	1x2½"	1.88
880	50-50-50	150	TVL-3442	1x3"	XC0105*	1x3"	....	....	1.88
881	60-40-20	150	TVL-3443	1x3"	C0110	1x2½"	....	....	1.62
882	80-40-20	150	TVL-3444	1x3"	C0120	1x3"	FP311.7	1⅜x2"	1.69
883	120-120-40	150	TVL-3448.2	1⅜x3"	XC0126*	1⅜x3"	FP311.9	1⅜x3"	2.43
884	250-200-10	150	....	....	XC0129*	1⅜x4⅛"	....	....	3.08
885	200-100-60	150	TVL-3450	1⅜x3½"	XC0127*	1⅜x3⅝"	....	....	2.78
313	30-30-10	150-150-150	TVL-3435	1x2"	....	....	....	....	1.47
314	100-30-10	150-150-150	TVL-3447	1x3"	....	....	....	....	1.69
886	40-20-100	150-150-25	TVL-3423	1x3"	C0490	1x2"	FP307	1x2½"	1.55
887	40-40-20	150-150-25	TVL-3426	1x2½"	XC0551*	1x2"	FP310	1x2½"	1.56
888	40-20-200	150-150-25	TVL-3423.2	1x3"	....	....	FP314	1x3"	1.77
889	50-30-100	150-150-25	TVL-3427	1x3"	C0570	1x2½"	FP309	1x2½"	1.61
890	50-50-20	150-150-25	TVL-3430	1x3"	C0580	1x2½"	FP311	1x3"	1.59
312	60-40-200	150-150-25	TVL-3431.3	1x3"	....	....	....	....	1.78
892	70-30-100	150-150-10	....	....	....	....	PFP302.38	1x2½"	1.65
893	80-60-250	150-150-10	....	....	XC0015*	1⅜x2½"	FP302.5	1x2½"	1.86
894	90-40-400	150-150-10	TVL-3414.5	1⅜x2½"	....	....	PFP302.75	1x3"	3.09
895	20-20-20	25	TVL-3210	1x2"	C0010	1x2"	....	....	1.34
896	40-40-40	25	TVL-3230	1x2"	....	....	WP520	1x2"	1.44

See Additional Sprague, C-D, & Mallory Capacitor Listings on Next Page

FOUR-SECTION TWIST-PRONG ELECTROLYTICS—Specify Stock No. & Mfr's. Type

Stock No.	Cap. Mfd.	DC Wkg. Volts	Sprague		C-D		Mallory	
			Type	Size	Type	Size	Type	Size
70 LL 700	10-10-10-10	500	TVL-4940	1⅜x2"	D0180	1⅜x2"		
70 LL 701	40-40-8-8	500	TVL-4944	1⅜x4"	D0185	1⅜x3⅝"	FP495	1⅜x4"
70 LL 702	30-10-150-30	500-450-50-50	TVL-4917	1⅜x3"	D0928	1⅜x3"		
70 LL 704	20-20-10-10	475	TVL-4832	1⅜x2½"	D0179.3	1⅜x2½"	FP474.5	1⅜x2½"
70 LL 705	20-20-20-20	475	TVL-4834	1⅜x3"	D0179.5	1⅜x3"	FP475	1⅜x3"
70 LL 706	40-20-10-10	475	TVL-4840	1⅜x3"	D0179.7	1⅜x3"	FP476	1⅜x3"
70 LL 707	50-30-10-20	475-475-475-300	TVL-4827	1⅜x3½"	D0692	1⅜x3⅝"		
70 LL 708	15-15-80-40	475-475-300-50	TVL-4815	1⅜x3"	D0840	1⅜x3"		
70 LL 710	20-40-100-80	475-300-50-25	TVL-4800	1⅜x3"	D0990	1⅜x3"		
70 LL 711	5-5-5-5	450	TVL-4759.7	1⅜x2"	D0080	1⅜x2"	WP433.6	1⅜x2"
70 LL 712	10-10-10-10	450	TVL-4760	1⅜x2"	D0090	1⅜x2"	FP434	1⅜x2"
70 LL 713	20-10-10-10	450	TVL-4761	1⅜x2½"	D0120	1⅜x2½"	FP434.5	1⅜x2"
70 LL 714	20-20-20-20	450	TVL-4763	1⅜x3"	D0130	1⅜x3"	FP444	1⅜x3"
70 LL 715	30-30-20-20	450	TVL-4769.4	1⅜x3"	D0144	1⅜x3⅝"	FP444.8	1⅜x3"
70 LL 716	35-35-10-5	450	TVL-4771	1⅜x3½"	D0150	1⅜x3⅝"	FP445	1⅜x3"
70 LL 717	40-20-10-10	450			D0170	1⅜x3"		
70 LL 718	40-40-20-20	450	TVL-4773	1⅜x4"	D0174	1⅜x4⅛"	FP447	1⅜x4"
70 LL 719	40-40-30-30	450	TVL-4774	1⅜x4"	D0176	1⅜x4⅛"		
70 LL 720	40-40-40-40	450	TVL-4775	1⅜x4"	D0177	1⅜x5"		
70 LL 721	40-40-10-100	450-450-450-100	TVL-4747	1⅜x3½"	D0660	1⅜x3⅝"		
70 LL 722	30-30-15-30	450-450-450-50	TVL-4742	1⅜x3"	D0560	1⅜x3"		
70 LL 723	10-10-10-20	450-450-450-25	TVL-4723	1⅜x2"	D0480	1⅜x2"		
70 LL 724	20-20-20-20	450-450-450-25	TVL-4724.2	1⅜x2½"	D0520	1⅜x2½"		
70 LL 726	40-30-10-20	450-450-450-25	TVL-4734	1⅜x3½"	D0640	1⅜x3"	FP429	1⅜x3"
70 LL 727	40-20-20-40	450-450-450-25	TVL-4732	1⅜x3"	D0630	1⅜x3"	FP436	1⅜x3"
70 LL 728	40-40-10-20	450-450-450-25	TVL-4736	1⅜x3½"				
70 LL 729	40-40-40-10	450-450-450-25	TVL-4739	1⅜x4"	D0663.2	1⅜x3⅝"	FP430.6	1⅜x4"
70 LL 730	20-15-20-20	450-450-25-25	TVL-4712	1⅜x2"			FP426	1⅜x2"
70 LL 759	30-30-125-125	450-450-25-25	TVL-4712.3	1⅜x3"				
70 LL 731	40-40-10-20	450-300-300-150	TVL-4703.7	1⅜x3"			FP413X	1⅜x3"
70 LL 732	80-40-10-20	400-400-400-25	TVL-4669	1⅜x4"	D0477	1⅜x3⅝"		
70 LL 733	80-40-30-40	400-400-400-25	TVL-4670	1⅜x4"	D0478	1⅜x4⅛"		
70 LL 734	100-10-30-20	400-400-50-50	TVL-4663.5	1⅜x3½"	D0875	1⅜x3⅝"	FP420.7	1⅜x3"
70 LL 758	50-40-100-100	400-400-50-25	TVL-4663.2	1⅜x4"				
70 LL 735	40-80-100-25	400-350-200-50	TVL-4654	1⅜x3½"			FP420.45	1⅜x4"
70 LL 736	80-60-40-20	350	TVL-4635.7	1⅜x4"				
70 LL 737	20-10-5-10	350-350-350-25	TVL-4620	1⅜x2"	D0410	1⅜x2"		
70 LL 738	40-40-20-20	350-350-350-25	TVL-4621.6	1⅜x3"	D0430	1⅜x3"	FP419.3	1⅜x3"
70 LL 739	60-40-60-20	350-350-200-150	TVL-4609	1⅜x3½"				
70 LL 740	60-100-60-40	350-350-200-75					FP419.67	1⅜x4"
70 LL 762	60-20-80-100	350-350-150-50	TVL-4608	1⅜x4"				
70 LL 763	40-10-100-25	350-350-25-25	TVL-4606	1⅜x2"				
70 LL 741	40-40-20-10	300	TVL-4579	1⅜x3½"	D0020	1⅜x2½"		
70 LL 742	40-40-40-20	300-300-300-150	TVL-4575	1⅜x3"	D0370	1⅜x3"		
70 LL 743	100-10-200-30	300-300-150-150	TVL-4561	1⅜x4"	D0866	1⅜x5"		
70 LL 761	140-10-200-30	300-300-150-150	TVL-4561.3	1⅜x4"				
70 LL 744	200-20-100-20	300-250-50-25	TVL-4563	1⅜x4"	D0940	1⅜x5"	FP419	1⅜x4"
70 LL 746	100-40-10-100	250-250-250-50	TVL-4516	1⅜x3½"	D0360	1⅜x3½"		
70 LL 747	100-80-60-40	150	TVL-4445	1⅜x3"	D0014	1⅜x3"	FP412	1⅜x3"
70 LL 748	40-40-40-30	150	TVL-4441	1⅜x2"	D0010	1⅜x2"		
70 LL 760	250-200-10-25	150-150-150-50	TVL-4440	1⅜x4"				
70 LL 749	30-30-30-40	150-150-150-25	TVL-4415	1⅜x2"	D0210	1⅜x2"		
70 LL 750	40-40-30-20	150-150-150-25	TVL-4420	1⅜x2"	D0240	1⅜x2"	FP409	1⅜x2"
70 LL 752	80-40-30-100	150-150-150-25	TVL-4430	1⅜x2½"			FP411	1⅜x2½"
70 LL 753	80-40-10-20	150-150-150-25	TVL-4431	1⅜x2"	D0325	1⅜x2"	FP411.3	1⅜x2½"
70 LL 754	80-40-40-100	150-150-150-25	TVL-4434	1⅜x2½"	D0330	1⅜x2½"		
70 LL 755	60-40-20-200	150-150-150-10	TVL-4414	1⅜x2"	D0300	1⅜x2"	FP408	1⅜x2"
70 LL 757	50-40-160-40	150-150-25-25	TVL-4410.7	1⅜x2"				

MALLORY GEM MOLDED TUBULAR PAPER CAPACITORS

Manufactured to extremely high standards. Rugged mineral-filled bakelite cases and resin sealing assure dependable service. Have high resistance to moisture and mechanical shock. Types to ½" dia. have No. 20 leads; over ½" dia., heavy-duty No. 18 leads. Operate efficiently at temperatures to 85°C. Tolerance 20% except* 10%. Av. shpg. wt., 5 oz.

400 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EACH
18 L 586	421	.001	5/16x1"	15c
18 L 587	425	.005	5/16x1"	
18 L 588	411	.01	5/16x1"	
18 L 589	4115	.015	⅜x1¼"	
18 L 590	412	.02	⅜x1¼"	
18 L 591	4122	.022	⅜x1¼"	18c
18 L 592	4125	.025	⅜x1¼"	
18 L 593	413	.03	⅜x1¼"	
18 L 594	4133	.033	7/16x1¼"	
18 L 595	414	.04	7/16x1¼"	
18 L 596	4147	.047	7/16x1¼"	18¢
18 L 597	415	.05	7/16x1¼"	18¢
18 L 598	416	.06	½x1½"	21¢
18 L 599	4168	.068	½x1½"	21¢
18 L 600	401	.1	½x1½"	21¢
18 L 601	4015*	.15	⅝x1⅞"	24¢
18 L 602	402*	.2	¾x2¼"	26¢
18 L 603	4022*	.22	¾x2¼"	26¢
18 L 604	4025*	.25	¾x2¼"	26¢
18 L 605	4033*	.33	¾x2¼"	29¢
18 L 606	4047*	.47	1x2⅜"	35¢
18 L 607	405*	.5	1x2⅜"	35¢
18 L 608	41*	1.0	1x2⅜"	73¢

600 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EACH
18 L 546	621	.001	5/16x1"	15c
18 L 547	6215	.0015	5/16x1"	
18 L 548	622	.002	5/16x1"	
18 L 549	6222	.0022	5/16x1"	
18 L 550	6225	.0025	5/16x1"	

600 VOLTS DC WORKING (CONT.)

Stock No.	Type	Mfd	Size	EACH
18 L 551	623	.003	5/16x1"	15c
18 L 552	6233	.0033	5/16x1"	
18 L 553	624	.004	5/16x1"	
18 L 554	6247	.0047	5/16x1"	
18 L 555	625	.005	⅜x1¼"	
18 L 556	626	.006	⅜x1¼"	
18 L 557	6268	.0068	⅜x1¼"	18c
18 L 559	628	.008	⅜x1¼"	
18 L 560	6282	.0082	⅜x1¼"	
18 L 561	611	.01	⅜x1¼"	
18 L 562	6112	.012	⅜x1¼"	18c
18 L 563	6115	.015	⅜x1¼"	
18 L 564	612	.02	7/16x1¼"	
18 L 565	6122	.022	7/16x1¼"	
18 L 566	6125	.025	7/16x1¼"	21c
18 L 567	613	.03	7/16x1¼"	
18 L 568	6133	.033	½x1½"	
18 L 569	614	.04	½x1½"	
18 L 570	6147	.047	½x1½"	24c
18 L 571	615	.05	½x1½"	
18 L 572	6156	.056	⅝x1⅞"	
18 L 573	616	.06	⅝x1⅞"	
18 L 574	6168	.068	⅝x1⅞"	26¢
18 L 575	601	.1	⅝x1⅞"	26¢
18 L 576	6015*	.15	⅝x1⅞"	29¢
18 L 577	602*	.2	¾x2¼"	41c
18 L 578	6022*	.22	¾x2¼"	
18 L 579	6025*	.25	¾x2¼"	
18 L 582	6047*	.47	1x2⅜"	47¢
18 L 583	605*	.5	1x2⅜"	47¢
18 L 584	6068*	.68	1x2⅝"	47¢
18 L 585	61*	1.0	1x2⅝"	73¢

1600 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EACH
18 L 326	16215	.0015	⅜x1¼"	38c
18 L 747	1623	.003	7/16x1¼"	
18 L 749	1624*	.004	7/16x1¼"	
18 L 750	16247*	.0047	½x1½"	
18 L 751	1625*	.005	½x1½"	

1600 VOLTS DC WORKING (CON

Stock No.	Type	Mfd	Size
18 L 753	1626*	.006	½x1½"
18 L 755	1627*	.007	½x1½"
18 L 757	1628*	.008	½x1½"
18 L 758	16282*	.0082	½x1½"
18 L 759	1611*	.01	½x1½"
18 L 761	1612*	.02	⅝x1⅞"
18 L 325	16122	.022	⅝x1⅞"
18 L 385	1613*	.03	⅝x1⅞"
18 L 386	1614*	.04	¾x2¼"
18 L 762	1615*	.05	¾x2¼"
18 L 387	1621*	.001	⅜x1¼"
18 L 388	1622*	.002	⅜x1¼"

3000 VOLTS DC WORKING

Stock No.	Type	Mfd	Size
18 L 966	3031	.0001	7/16x1¼"
18 L 967	3035	.0005	7/16x1¼"
18 L 968	3021	.001	7/16x1¼"
18 L 769	3023	.003	½x1½"
18 L 970	3025	.005	⅝x1⅞"
18 L 971	3011	.01	⅝x1⅞"
18 L 972	3013	.03	1x2⅛"
18 L 973	3015	.05	1x2⅜"

6000 VOLTS DC WORKING

Stock No.	Type	Mfd	Size
18 L 974	6x35	.0005	½x1½"
18 L 975	6x21	.001	⅝x1⅞"
18 L 976	6x22	.002	⅝x1⅞"
18 L 977	6x23	.003	¾x2¼"
18 L 978	6x25	.005	¾x2¼"
18 L 980	6x11	.01	1x2⅜"

10,000 VOLTS DC WORKING

Stock No.	Type	Mfd	Size
18 L 950	10035	.0005	⅝x1⅝"
18 L 951	10021	.001	15/16x2¼"

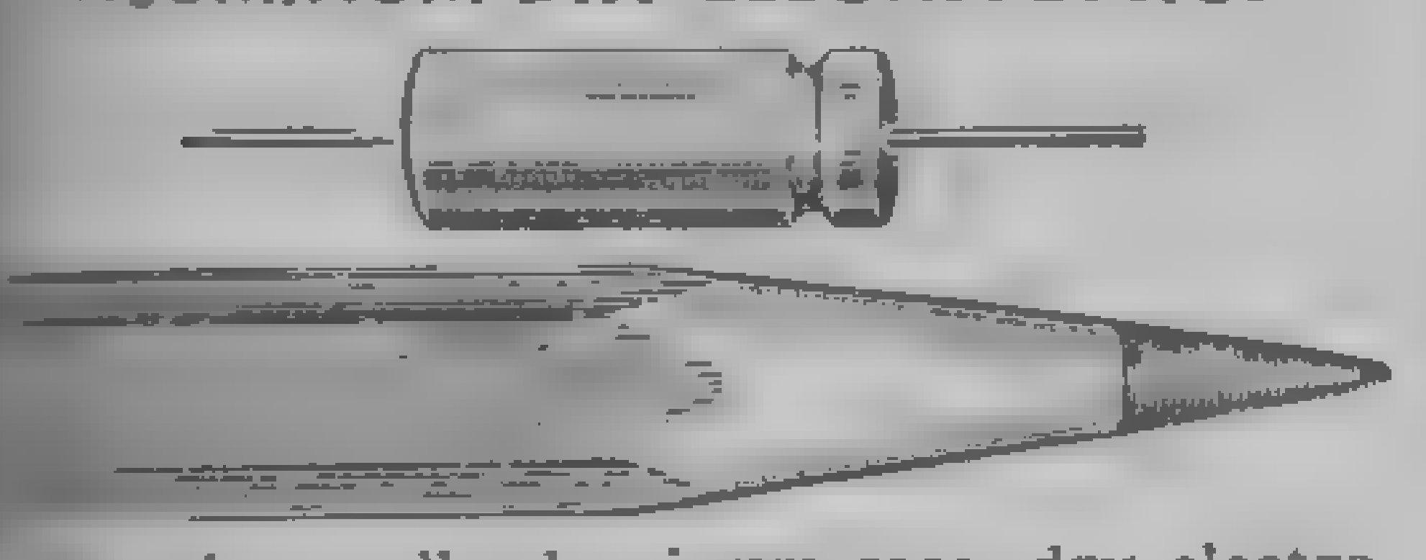
12,500 VOLTS DC WORKING

Stock No.	Type	Mfd	Size
18 L 324	125325	.00025	⅝x1⅞"

15,000 VOLTS DC WORKING

Stock No.	Type	Mfd	Size
18 L 953	150325	.00025	¾x2½"
18 L 954	15035	.0005	⅞x2½"

"TT" MINIATURE ALUMINUM DRY ELECTROLYTICS



mely small, aluminum-case, dry electro- capacitors. Ultra-miniature size per- very compact construction of portable obile communications equipment, radios, g aids, etc. Ideal for transistorized s and other equipment requiring utmost my of space. Incorporate etched-foil de- and high-purity aluminum construction to optimum efficiency and stability. A spe- icon rubber compound is used to seal the Units have very low leakage current. operating range of −20° C. to +85° C. nce is −10% to +150% to 50 WVDC. 50 WVDC. −10% to +100%. Leads units listed are 22 gauge, tinned copper Av. shpg. wt., 2 oz.

No	Type	Mfd	WVDC	Size	NET
900	TT350X2	2	350	25/64x1 7/16"	1.06
901	TT250X1	1	250	25/64x1 1/16"	1.24
911	TT150X1	1	150	9/32x1 1/16"	1.06
902	TT150X2	2	150	9/32x1 3/16"	1.06
903	TT150X3	3	150	25/64x1 1/16"	1.06
798	TT150X4	4	150	25/64x1 1/16"	1.06
904	TT150X5	5	150	25/64x1 3/16"	1.06
905	TT150X8	8	150	25/64x1 5/16"	1.06
906	TT150X10	10	150	25/64x1 3/16"	1.08
907	TT150X12	12	150	25/64x1 3/16"	1.10
910	TT80X4	4	80	9/32x1 3/16"	1.01
797	TT50X4	4	50	9/32x1 1/16"	1.02
793	TT50X5	5	50	9/32x1 3/16"	1.02
794	TT50X10	10	50	25/64x1 1/16"	1.03
795	TT50X20	20	50	25/64x1 3/16"	1.04
908	TT50X35	35	50	25/64x1 3/16"	1.08
789	TT25X5	5	25	9/32x1 1/16"	.90
909	TT25X6	6	25	9/32x1 1/16"	.90
790	TT25X8	8	25	25/64x1 1/16"	.90
791	TT25X15	15	25	25/64x1 1/16"	.94
792	TT25X20	20	25	25/64x1 1/16"	.94
912	TT25X25	25	25	25/64x1 1/16"	1.03
786	TT15X10	10	15	9/32x1 1/16"	.90
787	TT15X20	20	15	9/32x1 1/16"	.90
788	TT15X30	30	15	25/64x1 1/16"	.94
913	TT15X40	40	15	25/64x1 3/16"	.94
914	TT15X50	50	15	25/64x1 3/16"	1.03
915	TT15X100	100	15	25/64x1 3/16"	1.03
782	TT12X1	1	12	7/32x9/16"	.85
783	TT12X2	2	12	7/32x9/16"	.85
916	TT12X3	3	12	7/32x5/8"	.85
L 784	TT12X5	5	12	7/32x1 1/16"	.85
785	TT12X10	10	12	9/32x1 1/16"	.90
L 917	TT10X6	6	10	7/32x1 1/16"	.85
L 779	TT10X15	15	10	9/32x1 1/16"	.90
L 780	TT10X25	25	10	25/64x1 1/16"	.94
L 918	TT10X50	50	10	25/64x1 3/16"	1.03
L 781	TT10X60	60	10	25/64x1 3/16"	1.03
L 768	TT6X2	2	6	7/32x9/16"	.85
L 799	TT6X3	3	6	7/32x9/16"	.85
L 769	TT6X5	5	6	7/32x9/16"	.85
L 770	TT6X8	8	6	7/32x5/8"	.85
L 771	TT6X10	10	6	7/32x1 1/16"	.85
L 772	TT6X15	15	6	9/32x1 1/16"	.90
L 773	TT6X25	25	6	9/32x1 1/16"	.90
L 919	TT6X30	30	6	25/64x1 1/16"	.90
L 775	TT6X40	40	6	25/64x1 1/16"	.93
L 776	TT6X50	50	6	25/64x1 1/16"	.93
L 777	TT6X60	60	6	25/64x1 1/16"	1.03
L 920	TT6X80	80	6	25/64x1 1/16"	1.03
L 778	TT6X100	100	6	25/64x1 3/16"	1.03
L 764	TT3X10	10	3	7/32x9/16"	.85
L 765	TT3X25	25	3	9/32x1 1/16"	.90
L 766	TT3X40	40	3	9/32x1 1/16"	.90
L 921	TT3X110	110	3	25/64x1 3/16"	1.03
L 922	TT3X200	200	3	25/64x1 5/16"	1.03
L 923	TT2X150	150	2	25/64x1 3/16"	1.03

TNT & STNT CAPACITORS

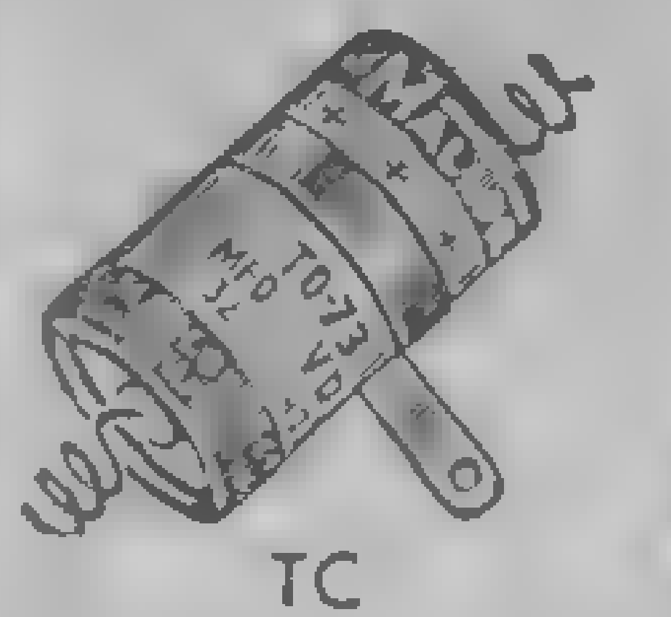
miniature polar- d tantalum elec- olytics. TNT is Fig. A; STNT is Fig. B. NT meets vibration onditions of MIL- STD-202, Method 1.1. −55° C. to 85° C. Tol., −15 to +75%. Tinned leads. NT, 9/64x3/8"; STNT, 9/64x5/16". Av. wt., 2 oz.

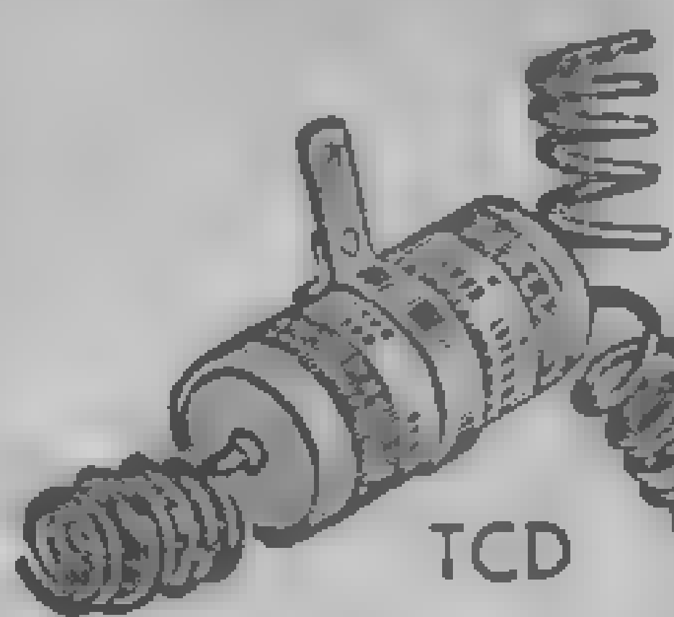
A

B

ock No.	Type	Mfd	WVDC	NET
L 955	TNT 8-50	8	50	2.00
L 956	TNT 15-30	15	30	
L 957	TNT 25-15	25	15	
L 958	TNT 50-6	50	6	
L 959	TNT 80-3	80	3	
8 L 960	STNT-2	2	50	1.87
8 L 961	STNT-4	4	50	
8 L 962	STNT-6	6	35	
8 L 963	STNT-12	12	15	
8 L 964	STNT-25	25	6	
8 L 965	STNT-40	40	3	

METAL-CASED ELECTROLYTICS


TC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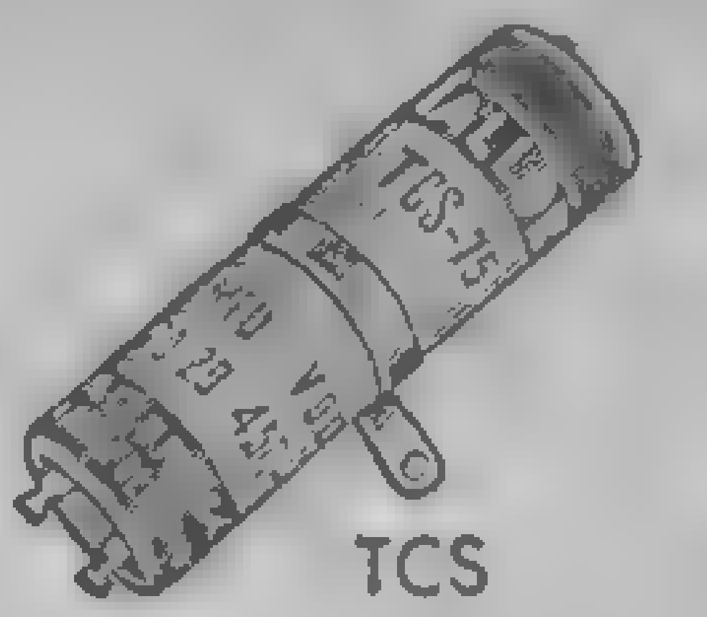
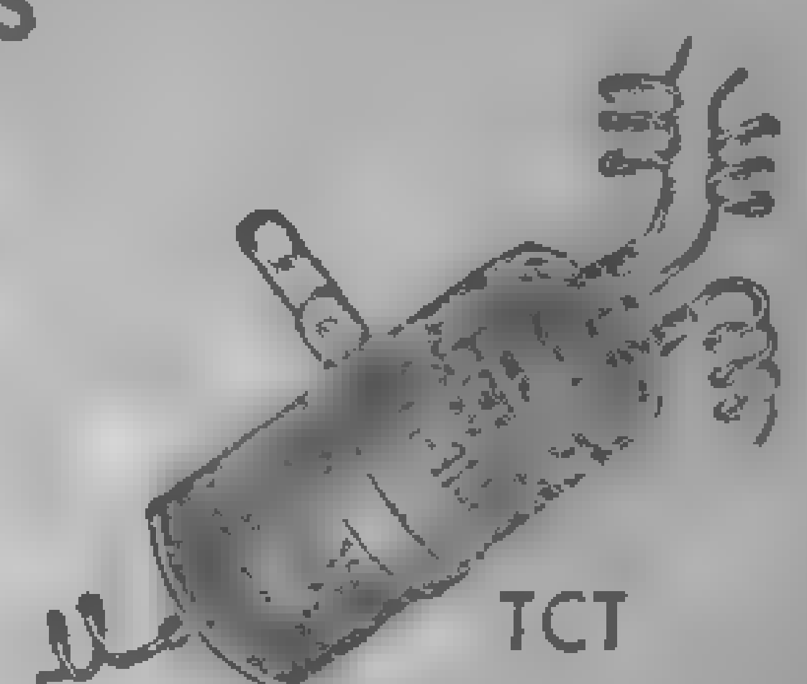

TCS


TCT

Metal, tubular dry electrolytic capacitors. A wide selection of highly dependable capacitors designed for use in radios, television receivers, hi-fi equipment, and many other general-purpose applications. Units rated up to 150 WVDC have a tolerance of −10% to +100%. Capacitors rated above 150 WVDC have a tolerance of −10% to +50%. All units have external insulating sleeves; ideal for use in crowded, compact chassis. Type TC has 3" tinned copper leads of 22 gauge wire. Types TCD and TCT have 8" insulated wire leads. TCS has solder lugs, the terminals of one section being on one end and the terminals of the second section being on the opposite end. *Indicates non-polarized type. All capacitors listed in the table below, except TC types of less than 13/16" diameter are equipped with fixed mounting straps. All units have an operating range of up to 85° C. except TC° types 81, 83 and 84, which have an operating range to 65° C. Av. shpg. wt., 4 oz.

TYPE TC SINGLE CAPACITORS

Stock No.	Type	Mfd	WVDC	Size	EA.
17 L 450	92	10	600	1 1/16x2 15/16"	2.62
17 L 245	81	10	500	15/16x1 3/4"	1.02
19 L 924	82	10	500	1 1/16x2 15/16"	2.45
17 L 246	83	20	500	1 1/16x1 3/4"	1.25
17 L 247	84	30	500	1 1/16x2 1/4"	1.39
19 L 928	695	2	450	11/16x1 1/2"	.83
17 L 452	70	5	450	11/16x1 3/4"	.89
17 L 619	71	8	450	13/16x1 3/4"	1.00
17 L 620	72	10	450	13/16x1 3/4"	1.04
17 L 638	73	12	450	15/16x1 3/4"	1.08
17 L 622	74	16	450	15/16x1 3/4"	1.14
17 L 453	75	20	450	1 1/16x1 3/4"	1.22
17 L 454	77	30	450	1 1/16x2 1/4"	1.34
17 L 508	78	40	450	1 1/16x2 1/4"	1.38
19 L 925	79	50	450	1 1/16x2 7/8"	1.57
18 L 800	795	60	450	1 1/16x2 7/8"	1.71
17 L 204	80	80	450	1 1/16x4"	2.29
19 L 926	805	100	450	1 7/16x3"	3.13
19 L 927	595	2	350	7/16x1 1/2"	.75
17 L 634	60	5	350	11/16x1 3/4"	.81
17 L 635	61	8	350	13/16x1 3/4"	.93
17 L 455	62	10	350	13/16x1 3/4"	.99
19 L 929	64	16	350	15/16x1 3/4"	1.11
17 L 456	65	20	350	15/16x1 3/4"	1.14
17 L 244	68	60	350	1 1/16x2 1/4"	1.52
18 L 801	69	100	350	1 1/16x4"	2.44
17 L 626	50X	5	250	11/16x1 1/4"	.77
17 L 627	51	8	250	11/16x1 3/4"	.86
17 L 457	52	10	250	11/16x1 3/4"	.89
19 L 930	53	12	250	13/16x1 3/4"	.96
17 L 629	54	16	250	13/16x1 3/4"	1.02
17 L 505	55	20	250	13/16x1 3/4"	1.08
17 L 633	58	40	250	1 1/16x1 3/4"	1.23
17 L 243	59	50	250	1 1/16x1 3/4"	1.35
17 L 249	1265	100	250	1x3"	1.60
17 L 458	40	5	150	7/16x1 5/16"	.70
17 L 624	41	8	150	7/16x1 13/16"	.72
17 L 459	42	10	150	7/16x1 11/16"	.73
17 L 608	44	16	150	11/16x1 1/2"	.78
17 L 502	45	20	150	13/16x1 1/2"	.85
17 L 610	47	30	150	13/16x1 1/2"	.93
17 L 611	48	40	150	15/16x1 3/4"	.99
17 L 504	49	50	150	15/16x1 3/4"	1.01
17 L 640	492	80	150	15/16x2"	1.15
18 L 802	493	100	150	1 1/16x2 1/4"	1.24
17 L 242	495	150	150	1 1/16x2 1/4"	1.36
19 L 931	499	300	150	1 7/16x3"	2.68
19 L 932	31	1	50	1/4x11/16"	.63
17 L 639	302	2	50	7/16x15/16"	.63
17 L 623	30	5	50	7/16x15/16"	.67
17 L 603	32	10	50	7/16x1 5/16"	.68
17 L 604	36	25	50	11/16x1 1/4"	.71
17 L 605	39	50	50	13/16x1 1/4"	.87
17 L 641	3501	100	50	11/16x1 3/4"	.96

TYPE TC SINGLE CAPACITORS (cont'd)

Stock No.	Type	Mfd	WVDC	Size	EA.
18 L 342	50025	250	50	15/16x1 3/4"	1.37
17 L 600	22	10	25	7/16x15/16"	.68
17 L 601	26	25	25	7/16x15/16"	.71
17 L 602	29	50	25	11/16x1 1/2"	.75
17 L 500	2501	100	25	11/16x1 3/4"	.92
19 L 933	25015	150	25	11/16x1 3/4"	1.01
17 L 466	2505	500	25	1 1/16x2 1/4"	1.78
17 L 642	1502	200	15	13/16x1 1/2"	1.10
17 L 460	1505	500	15	15/16x2"	1.38
17 L 209	1501	1000	15	1 1/16x2 1/4"	1.72
17 L 461	605	500	6	13/16x1 3/4"	1.22
17 L 462	610	1000	6	15/16x2"	1.48
18 L 804	304	200	3	11/16x1 1/4"	.85
17 L 463	310	1000	3	15/16x1 3/4"	1.32

TCD COMMON-NEGATIVE DUALS

17 L 470	71	8-8	450	15/16x2"	1.74
17 L 507	72	10-10	450	1 1/16x2"	1.82
17 L 471	74	15-15	450	1 1/16x3 1/8"	2.10
17 L 472	75	20-20	450	1 1/16x3 3/8"	2.26
17 L 468	78	40-40	450	1 1/16x4"	3.03
17 L 474	65	20-20	350	1 1/16x3 1/8"	2.04
17 L 475	52	10-10	250	15/16x2"	1.60
17 L 476	55	20-20	250	1 1/16x2"	1.76
17 L 503	45	20-20	150	1 1/16x1 3/4"	1.60
17 L 477	47	30-30	150	1 1/16x1 3/4"	1.69
17 L 480	485	40-20	150	1 1/16x1 3/4"	1.68
17 L 478	43	40-40	150	1 1/16x2"	1.76
17 L 482	497	50-30	150	1 1/16x2"	1.74
17 L 481	49	50-50	150	1 1/16x2 1/4"	1.82
18 L 344	498	80-50	150	1 1/16x2 1/4"	1.93
17 L 479	26	25-25	25	13/16x1 1/4"	1.51
18 L 081	*16	500 100	16	15/16x2"	.76

TCS SEPARATE-SECTION DUALS

17 L 485	71	8-8	450	1 1/16x2 3/8"	2.15
17 L 487	75	20-20	450	1 1/16x3 1/2"	2.63
17 L 495	48	40-40	150	1 1/16x2 7/8"	2.10

TCT TRIPLE COMMON NEGATIVE

18 L 372	3112	20-20 20	150 150	1 1/16x1 3/4"	1.89
18 L 373	3113	30-30 30	150 150	1 1/16x2 1/4"	1.97
18 L 374	3114	40-20 20	150 150	1 1/16x2 1/4"	1.98
18 L 375	3115	40-40 40	150 150	1 1/16x2 7/8"	2.15
18 L 376	3116	40-40 20	150 150	1 1/16x2 1/4"	2.04
18 L 371	3107	50-30 20	150 25	1 1/16x2 1/4"	2.04

HIGH-CAPACITY ELECTROLYTICS

HC

High-quality, etch-plate electrolytic capacitors in moisture-resistant plastic cases. HC polarized types are ideal for high-capacity, low voltage applications such as electric fences, film projection equipment, etc. *NP non-polarized types—for intermittent AC use only; ideal replacements for welding and control gear. All others are HC types. 1060A has aluminum case and lug terminals; for fence control. Others have screw terminals. Type 2050-50 is dual section unit. Types with suffix "A" are identical to others, except for smaller case size. Temperature range for all types: −40°C to +85°C. All are supplied with Type VR vertical mounting bracket. Capacitor design permits horizontal mounting, with protector end caps and HB brackets listed on page 183. Av. shpg. wt., 10 oz.

Stock No.	Type	Mfd	WVDC	Size	NET
17 L 810	4505*	50	450	1 13/16x3 3/8"	6.30
17 L 811	4510*	100	450	2 1/16x4 3/8"	7.70
17 L 820	45003†	300	450	2 1/16x4 3/8"	8.47
18 L 428	3003A*	15	300	1 7/16x2 3/4"	2.87
19 L 942	3008*	50	300	1 7/16x3 3/8"	5.25
19 L 943	3014A*	100	300	1 13/16x3 3/8"	6.13
17 L 588	3025*	200	300	2 1/16x4 3/8"	7.00
17 L 592	20005A	500	200	1 13/16x3 3/8"	5.53
17 L 591	15010	1000	150	2 1/16x4 3/8"	6.44
19 L 939	15010A	1000	150	1 13/16x4 3/8"	6.44
19 L 940	1225A*	200	125	1 7/16x3 3/8"	4.04
19 L 941	1235A*	300	125	1 13/16x3 3/8"	4.87
17 L 805	1255A*	500	125	1 13/16x4 3/8"	6.30
17 L 585	5005	500	50	1 7/16x3 3/8"	3.33
19 L 938	5005A	500	50	1 7/16x2 3/4"	3.33
17 L 586	5010A	1000	50	1 7/16x3 3/8"	4.25
17 L 590	5020A	2000	50	1 13/16x3 3/8"	5.06

Stock No.	Type	Mfd	WVDC	Size	NET
18 L 098	5040	4000	50	2 1/16x4 3/8"	7.32
18 L 431	4040	4000	40	2 1/16x4 3/8"	6.98
19 L 937	4040A	4000	40	1 13/16x4 3/8"	6.98
17 L 582	2510A	1000	25	1 7/16x2 3/4"	3.19
17 L 583	2520A	2000	25	1 7/16x3 3/8"	4.15
17 L 584	2540A	4000	25	1 13/16x3 3/8"	5.58
18 L 430	2060	6000	20	2 1/16x4 3/8"	6.11
19 L 936	2060A	6000	20	1 13/16x4 3/8"	6.11
19 L 935	2050-50	5000	20	2 1/16x4 3/8"	8.00
17 L 580	1520A	2000	15	1 7/16x2 3/4"	3.47
17 L 581	1540A	4000	15	1 7/16x4 3/8"	5.37
17 L 589	1560A	6000	15	1 13/16x3 3/8"	5.62
19 L 934	1020A	2000	10	1 7/16x2 3/4"	3.36
17 L 577	1040A	4000	10	1 7/16x3 3/8"	4.60
17 L 579	1060A	6000	10	1 1/2x4 1/2"	5.20
18 L 429	10100	10M	10	2 1/16x4 3/8"	7.81

See Page 183 for Capacitor Mounting Hardware

Centralab Ceramic Capacitors

SERIES DD DISC CERAMICS

An extensive selection of Series DD ceramic capacitors in a wide variety of values and working voltages to suit practically any need. Engineered for circuitry requiring high capacity, low inductance and reliable performance. Small in size and ruggedly constructed, these ceramic capacitors are used extensively in compact radio and television assemblies as well as in high fidelity equipment of all types. These disc ceramic capacitors offer higher dielectric constants, greater breakdown voltages and higher capacities in less space than similarly rated paper or mica capacitors. Leads are No. 22 tinned copper. Tolerances are ±20% except †±0.5 mmf, *±10%, §guaranteed minimum value, and **−20% to 80%. **Made to withstand extreme temperature, humidity and vibration.** Av. shpg. wt., 2 oz.

DD 1000 VOLTS

No.	Type	Mmf	No.	Type	Mmf
11 L 406	3R3†	3.3	11 L 706	471G§	470
11 L 407	050**	5	11 L 432	501*	500
11 L 520	060**	6	11 L 684	511*	510
11 L 408	6R8**	6.8	11 L 433	561*	560
11 L 522	080**	8	11 L 536	601*	600
11 L 409	100*	10	11 L 434	681*	680
11 L 523	120*	12	11 L 435	751*	750
11 L 410	150*	15	11 L 436	801§	800
11 L 411	200*	20	11 L 537	821*	820
11 L 525	220*	22	11 L 685	911*	910
11 L 412	250*	25	11 L 437	102*	1000
11 L 527	270*	27	11 L 707	102G§	1000
11 L 413	330*	33	11 L 538	122*	1200
11 L 414	390*	39	11 L 539	132*	1300
11 L 415	470*	47	11 L 438	152*	1500
11 L 416	500*	50	11 L 709	152G§	1500
11 L 417	560*	56	11 L 540	162*	1600
11 L 418	680*	68	11 L 541	182*	1800
11 L 419	750*	75	11 L 439	202§	2000
11 L 529	820*	82	11 L 542	222§	2200
11 L 420	101*	100	11 L 543	252§	2500
11 L 421	121*	120	11 L 544	272§	2700
11 L 531	131*	130	11 L 440	302§	3000
11 L 422	151*	150	11 L 600	332§	3300
11 L 423	181*	180	11 L 601	392§	3900
11 L 424	201*	200	11 L 602	402§	4000
11 L 425	221*	220	11 L 603	432§	4300
11 L 426	251*	250	11 L 441	472	4700
11 L 427	271*	270	11 L 710	472G§	4700
11 L 428	301*	300	11 L 037	502§	5000
11 L 429	331*	330	11 L 604	562§	5600
11 L 534	361*	360	11 L 605	682§	6800
11 L 430	391*	390	11 L 606	752§	7500
11 L 535	401*	400	11 L 442	5022	5000
11 L 431	471*	470	11 L 106	1032	10,000

25-Up, EA.......12¢ 1-24, EA.......15¢

DD 600 VOLTS

Stock No.	Type	Mmf	1-24, EA.	25-Up, EA.
11 L 686	153**	15,000	18¢	14¢
11 L 042	203**	20,000	18¢	14¢
11 L 687	303**	30,000	35¢	29¢
11 L 688	403**	40,000	35¢	29¢
11 L 689	503**	50,000	35¢	29¢

TYPE D6 BC TUBULAR "HI-KAPS"

For bypass and coupling or filter applications. 600 WVDC. ±10% tolerance, except § ±20%. *GMV (guaranteed minimum value). Av. shpg. wt., 2 oz.

D6 CERAMIC CAPACITOR SIZES

Cap. Mmf	Size	Cap. Mmf	Size
3 to 500	1/4x1/2"	2000 to 4000	1/4x1 3/16"
560 to 680	1/4x1 3/16"	4700 to 5600	5/16x29/32"
750 to 1800	1/4x1/2"	6800 to 10,000	5/16x1 3/16"

No.	Type	Mmf	No.	Type	Mmf
11 L 545	030	3	11 L 571	271	280
11 L 546	050	5	11 L 572	301	300
11 L 547	100	10	11 L 573	331	330
11 L 548	120	12	11 L 574	391	390
11 L 549	150	15	11 L 575	401	400
11 L 550	180	18	11 L 576	471	470
11 L 551	200	20	11 L 577	501	500
11 L 552	220	22	11 L 578	561	560
11 L 553	250	25	11 L 579	601	600
11 L 554	270	27	11 L 580	681	680
11 L 555	330	33	11 L 581	751	750§
11 L 556	390	39	11 L 582	821	820§
11 L 557	470	47	11 L 583	102	1000§
11 L 558	500	50	11 L 584	122	1200§
11 L 559	560	56	11 L 585	152	1500§
11 L 560	680	68	11 L 586	182	1800§
11 L 561	750	75	11 L 587	202	2000§
11 L 562	820	82	11 L 588	222	2200§
11 L 564	101	100	11 L 589	252	2500*
11 L 565	121	120	11 L 591	302	3000*
11 L 566	151	150	11 L 592	332	3300*
11 L 567	181	180	11 L 593	402	4000*
11 L 568	201	200	11 L 594	472	4700*
11 L 569	221	220	11 L 595	502	5000*
11 L 570	251	250			

25-Up, NET EACH..12¢ 1-24, EACH..15¢

No.	Type	Mmf	No.	Type	Mmf
11 L 596	562	5600*	11 L 598	752	7500*
11 L 597	682	6800*	11 L 599	103	10,000*

25-Up, NET EACH...12¢ 1-24, EACH..15¢

DD16 1600-VOLT BUFFER CAPACITORS

Stock No.	Mfr's Type	Mfd.	NET EACH 1-24	NET EACH 25-Up
11 L 456	302§	.003	21c	17c
11 L 370	402§	.004		
11 L 371	502§	.005		
11 L 372	602§	.006		
11 L 457	702§	.007		
11 L 373	752§	.0075		
11 L 374	802§	.008		
11 L 375	103§	.01		
11 L 376	153**	.015	35¢	29¢

DD30 3000 VOLTS

Stock No.	Mfr's Type	Mmf	Stock No.	Mfr's Type	Mmf
11 L 607	250	25	11 L 617	221	220
11 L 609	470	47	11 L 619	271	270
11 L 610	500	50	11 L 620	471	470
11 L 612	680	68	11 L 621	501	500
11 L 613	820	82	11 L 622	102	1000
11 L 614	101	100	11 L 624	202	2000
11 L 616	181	180	11 L 626	502	5000

1-24, NET EACH........................24c
25-Up, EACH...............................19¢

DD60 6000 VOLTS

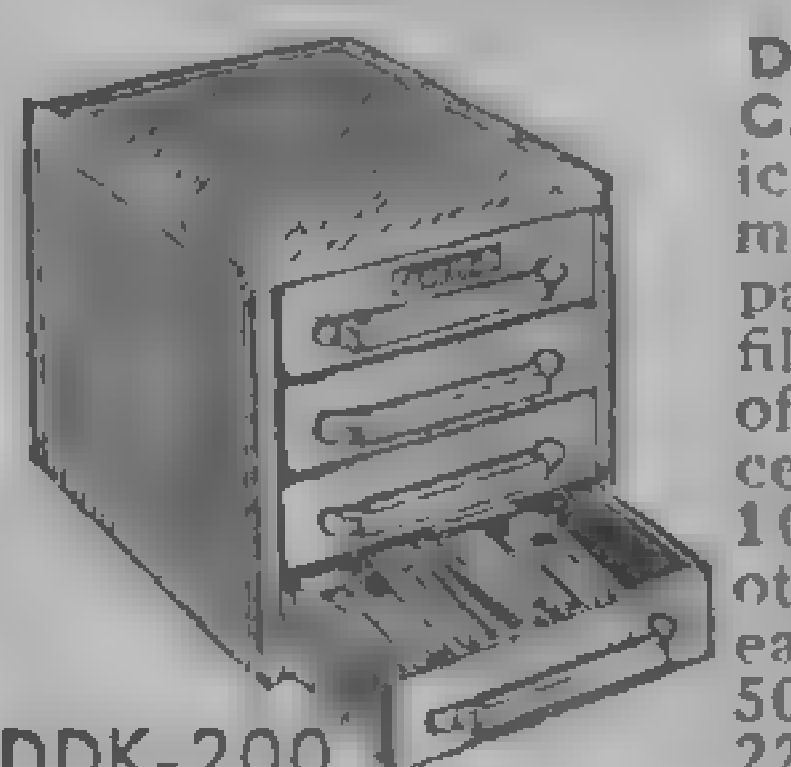
Stock No.	Mfr's Type	Mmf	Stock No.	Mfr's Type	Mmf
11 L 680	100	10	11 L 475	151	150
11 L 681	150	15	11 L 476	181	180
11 L 462	250	25	11 L 478	221	220
11 L 466	390	39	11 L 480	271	270
11 L 468	500	50	11 L 682	391	390
11 L 469	560	56	11 L 485	471	470
11 L 470	680	68	11 L 486	501	500
11 L 472	820	82	11 L 683	751	750
11 L 473	101	100			

1-24, NET EACH........................35c
25-Up, EACH...............................29¢

Stock No	Mfr's Type	Mmf	Stock No	Mfr's Type	Mmf
11 L 445	102	1000	11 L 448	202	2000
11 L 447	152	1500			

1-24, NET EACH........................59c
25-Up, EACH...............................48¢

CERAMIC CAPACITOR KITS



DDK-200

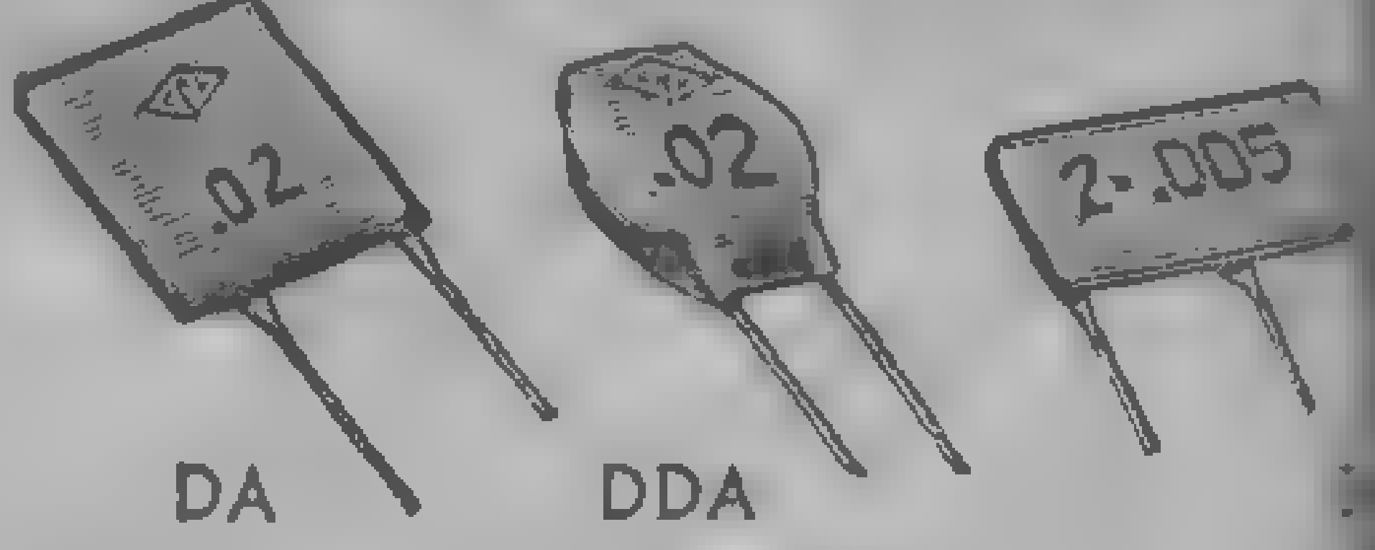
DDK-200 Ceramic Capacitor Kit. Ceramic disc capacitors; primarily intended for bypass and coupling or filter service. Consists of 200 Type DD disc ceramics (above). All 1000 WVDC unless otherwise specified. 5 each—5, 10, 25, 33, 47, 50, 68, 120, 150, 180, 220, 250, 270, 300, 330, 390, 470, 500, 680, 1500, 3000, 4700, 10,000 (600 v.) mmf. 10 each—100, 200 mmf. 15 of each—1000, 5000; 20,000 (600 v.) mmf. 20 of each—10,000 mmf. With cabinet. 4¼x6½x11⅛". Shpg. wt., 6 lbs.
18 L 912. NET........................29.99

HVK-150 Ceramic Capacitor Kit. Kit includes 150 disc ceramics of the DD series (described above) in a single-drawer steel cabinet. Types DD30 and DD60 are highly efficient for bypass and coupling in high frequency circuits. Type DD16 are compact, rugged buffers designed to withstand heat and vibration. Values: DD30 (5 of each)—47, 100, 470, 1000, 2000 mmf; DD600 (5 of each)—82, 100, 500, 1000, 1500 mmf; DD16 (10 of each)—3000, 4000, 5000, 6000, 7000, 7500, 8000, 10,500 mmf; DD16 (20) 10,000 mmf. Size of cabinet, 4¼x6½x11⅛". 6 lbs.
18 L 913. NET........................37.34

D6K-200 Ceramic Capacitor Kit. In assorted sizes—includes 200 Type D6 BC tubular ceramic capacitors (described at left) in 1-drawer steel cabinet—values from 5 to 10,000 mmf, 5 of each included, except 10 or 15 each of the most popular values. Cabinet size, 4¼x6½x11⅛". Shpg. wt. 6 lbs.
18 L 914. NET........................29.40

Bargain Disc Ceramic Capacitor Assortment. 20 Centralab MD disc ceramic "Hi-Kaps" ranging from 15 to 5000 mmf in 600 and 1000 WVDC ratings. ½" dia. x 5/32". 1 lb.
58 L 448. ONLY........................1.29

LOW-VOLTAGE CAPACITORS



Extremely compact, high-capacity, low-vo ceramic capacitors. Have durable "Durez" insulation. Designed especially for trans circuits and other subminiature applicat Ruggedly constructed to resist the effect heat, moisture and vibration. All units capacity clearly indicated.

Type DA: Plate design of high capacity, mass weight, unusual thin styling plus inh Centralab ceramic stability and perman Extremely popular both as bypass and capacitors. ½x½x3/16" thick, tolerance − to +100%. 30 WVDC.

Type DDA: Disc ceramic capacitors have er dielectric constant, greater voltages higher capacities in less space than pap mica types. ⅝" dia. x 5/32" thick, tole −30% to +80%, 75 WVDC.

Type DM: Miniature plate capacitors, 1/4" thick, tolerance *−20% to +50% †−20% to +80%. 150 WVDC. Av. wt.,

TYPE DA

Stock No.	Mfr's Type	Mfd	NET EAC 1-24
11 L 627	203	.02	.35
11 L 628	503	.05	.79
11 L 629	104	.1	1.32

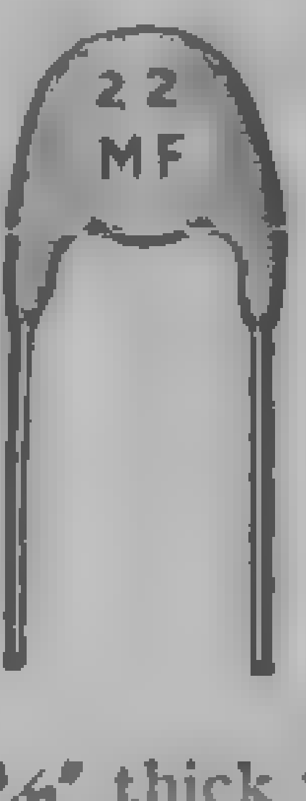
TYPE DDA

11 L 630	503	.05	.29
11 L 631	104	.1	.53

TYPE DM

11 L 632	101*	.0001	.29
11 L 633	201*	.0002	
11 L 635	501*	.0005	
11 L 636	102*	.001	
11 L 637	202*	.002	.29
11 L 638	302†	.003	.29
11 L 639	502†	.005	.29
11 L 640	103†	.01	.59
11 L 641	2-502†	2x .005	.59

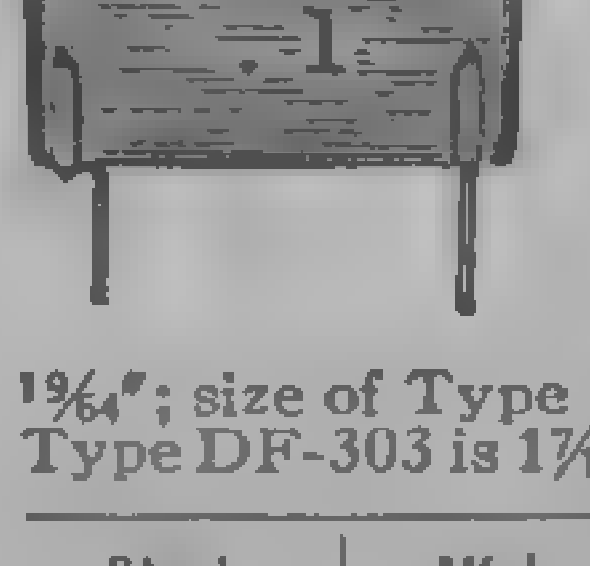
UK "ULTRA-KAP" MINIATURE DISC CAPACITORS



Disc ceramic capacitors design meet the small size and high ca tance requirements of transisto cuitry. Specifically engineere low-voltage bypass and couplin plications. Present extremely power factors. Available in po capacitance values from 0.22 t mfd. Insulated with double co of "Durez" and impregnated high-vacuum wax to withstan treme temperatures, humidity vibration. Extremely compact, 1/4" thick with diameters from only ¼ to Rated 3 working volts DC. Guaranteed mum value. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Mfd	Dia.	NET EAC 1-24
11 L 701	UK-104	.1	3/16"	.53
11 L 293	UK-224	.22	¼"	.32
11 L 294	UK-474	.47	⅜"	.32
11 L 295	UK-105	1.0	9/16"	.53
11 L 296	UK-225	2.2	¾"	.53
11 L 702	UK10-503	.05	¼"	.32
11 L 703	UK10-104	.1	⅜"	.32
11 L 704	UK10-204	.2	9/16"	.32
11 L 705	UK10-474	.47	¾"	.53

DF FLAT PLATE "HI-KAPS"



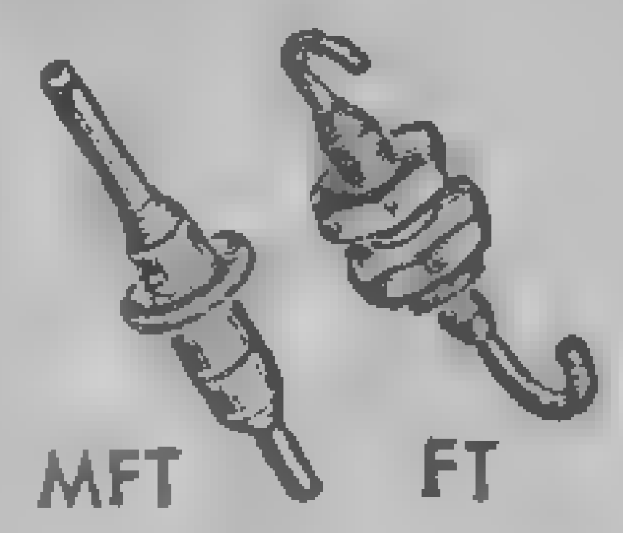
Unusually thin, com ceramics in capacitance ues up to .1 mfd. Exce for use in bypass and applications. Rated at working volts DC. T ance: all guaranteed mum value, except *+ to −20%. Size of D and DF-753 is 1 19/64"; size of Type DF-503, Type DF-403 Type DF-303 is 1 7/16x1 1/16x7/32". Av. shpg. wt.

Stock No.	Mfr's Type	Mfd	NET EACH 1-24
11 L 245	DF-104*	.1	1.03
11 L 246	DF-753	.075	1.03
11 L 247	DF-503	.05	.73
11 L 248	DF-403	.04	.73
11 L 249	DF-303	.03	.73

Centralab Capacitors—Capacitor Hardware

CENTRALAB CERAMIC CAPACITORS

FEED-THRU HI-KAPS



ramics for single- nting. Specifically for and widely used frequency circuits. 00 WVDC. Type 12-28 mounting nut dia. tinned cop- with hooked ends. ¼" dia. hole and to chassis (has No.). Tolerance: *±20%; †−20 to +50%; ; ‡guaranteed minimum value. Shpg.

TYPE FT

	Mfr's Type	Mmf	NET EACH 1-24	NET EACH 25-Up
390	FT- 500	* 500	73c	59c
391	FT-1000	*1000		
392	FT-1500	†1500		
393	FT-1800	†1800		
394	FT-2300	†2300		

TYPE MFT MINIATURES

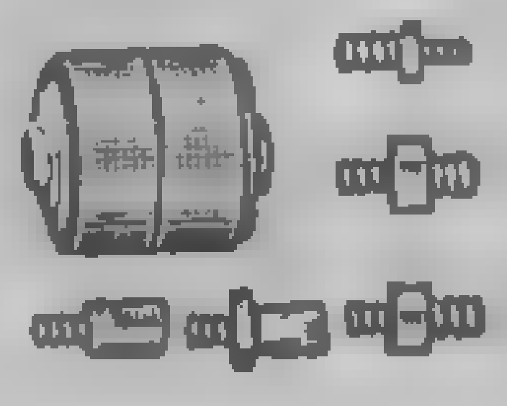
	Mfr's Type	Mmf	NET EACH 1-24	NET EACH 25-Up
488	MFT-50	§ 50	29c	24c
489	MFT-100	§ 100		
490	MFT-500	* 500		
491	MFT-1000	‡1000		

850 SERIES TRANSMITTING

for RF power circuits in voltage, high frequency s. Silver electrodes fired amic. †Neg. temp coef- 750 parts/million °C. temp. coeff. §Based on mp. rise. 850 types are tolerance; 858, ±20%. studs ⅛" long, 6-32 tapped thread. Av. wt., 2 oz.

	Mfr's Type	Mmf	WVDC	§RF Load, 30 Mc	NET EACH 1-9	NET EACH 10-Up
	850S-25Z*	25	7500	7 amps	2.65	2.25
	850S-50Z*	50	7500	10 amps		
	850S-50N†	50	7500	8.8 amps		
	850S-75N†	75	7500	10 amps		
	850S-100N	100	5000	9.8 amps	2.65	2.25
	858S-500	500	5000			
	858S-1000	1000	5000			

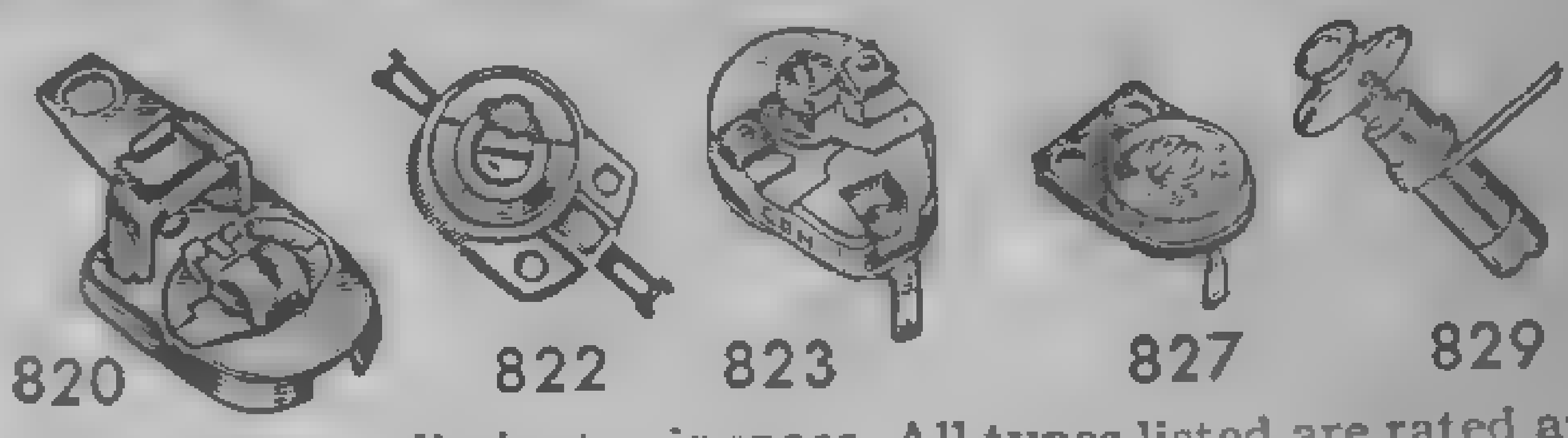
VO-KAP UNIVERSAL CAPACITOR



TV-207. High-voltage ceramic capacitor set of 7 attachable ter- s. Ideal for service —provides maximum age with a minimum ventory. Capacitance mmf. Rated 20,000 ing volts DC; 35,000 volts test. Molded ic insulation, "High-K" ceramic insula- and rugged, threaded-hole terminal studs. rance: −20% to +50%. Size, 1" dia. x . Shpg. wt., 5 oz.

L 016. NET 1.32

CERAMIC-DIELECTRIC TRIMMERS



An excellent selection of compact, highly stable trimmer capacitors with ceramic dielectric. Lightweight, with convenient mounting facilities. Easily adjusted by means of a screwdriver. Simplicity of mechanical design makes these capacitors a dependable and economical approach to fine tuning. Specifically designed to compensate for variations in tube capacities. Provide a smooth, linear rate of capacity change. Ceramic tubular trimmers are excellent for use in critical precision tuning applications. Full capacity range with 180° rotation. Balanced rotor and heavy spring pressure for excellent mechanical stability, even under conditions of heavy vibration. Silver is fired to stator and rotor, which make contact on a flat optically ground surface to eliminate air space. All types listed are rated at 600 WVDC. Power factor: less than 0.2% at 1 mc. Types 820 have ceramic base, 822 and 823 steatite base, 827 phenolic base, 829 are tubular ceramic (equipped with mounting screw and locknut). 820 E, F, G, less bracket. Letter N in Type No. indicates negative temperature coefficient; letter Z in Type No. indicates zero temperature coefficient, *body length. Av. shpg. wt., 1 oz.

TYPES 820 AND 822

Stock No.	Mfr's Type	Mmf Range	Base Size	NET EACH 1-9	NET EACH 10-Up
11 L 381	820-D	1-3.5	5/8x27/32"	.76	.65
11 L 382	820-A	2.5-6			
11 L 383	820-B	5-20			
11 L 384	820-C	7-35			
11 L 690	820-E	35-55			
11 L 691	820-F	55-75			
11 L 692	820-G	70-90			
11 L 650	822-DN	2-6	27/32x41/64"	1.03	.88
11 L 651	822-EN	4-30			
11 L 125	822-CN	4.5-25			
11 L 124	822-BN	7-45			
11 L 123	822-AN	8-50			
11 L 652	822-DZ	1.5-3	27/32x41/64"	1.03	.88
11 L 653	822-EZ	1.5-7			
11 L 129	822-CZ	2-7.5			
11 L 128	822-BZ	2.5-13			
11 L 654	822-FZ	3-12			
11 L 127	822-AZ	4.5-25			

TYPES 823, 827 AND 829

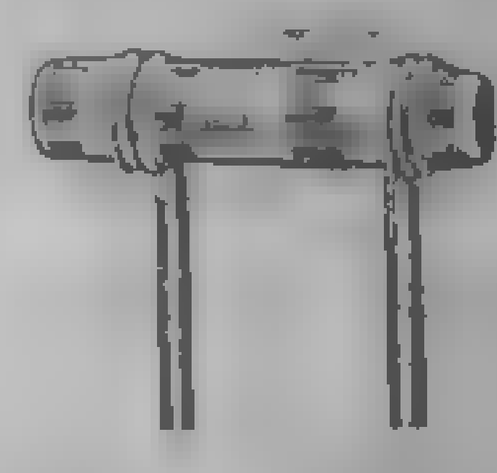
Stock No.	Mfr's Type	Mmf Range	Base Size	NET EACH 1-9	NET EACH 10-UP
11 L 512	823 DN	8-50	15/16x1 5/32"	2.35	2.00
11 L 511	823-BN	10-100			
11 L 510	823-AN	20-125			
11 L 515	823-DZ	6-25			
11 L 514	823-BZ	10-50			
11 L 513	823-AZ	12-60	15/16x1 5/32"	2.35	2.00
11 L 693	823-FN	5-15			
11 L 694	823-EN	8-25			
11 L 695	823-EZ	5-12			
11 L 516	827-A	2.5-7	17/32x3/4"	.73	.63
11 L 517	827-B	3.5-12			
11 L 518	827-C	6-30			
11 L 519	827-D	7-35			
11 L 400	829-3	.5-3	*½"	.29	.24
11 L 401	829-4	1-4	*½"		
11 L 402	829-6	1-6	*⅝"		
11 L 403	829-7	1-7.5	*¾"		
11 L 404	829-10	1.5-10	*¾"		

SERIES TCZ TEMPERATURE-COMPENSATING CAPACITORS

Highly stable ceramic tubular capacitors. Zero temperature coefficient: capacitance is constant from −20 to +85°C. Meet JAN-C-20A specifications. Tolerances: ±.25 mmf for values from .5 to 3.3 mmf; ±.5 mmf from 4.7 to 10 mmf; ±2% from 12 to 100 mmf; ±5% from 110 to 300 mmf. Rated 600 WVDC; 1200 VDC test. With #22 tinned copper leads. Av. shpg. wt., 2 oz.

CAPACITOR SIZES

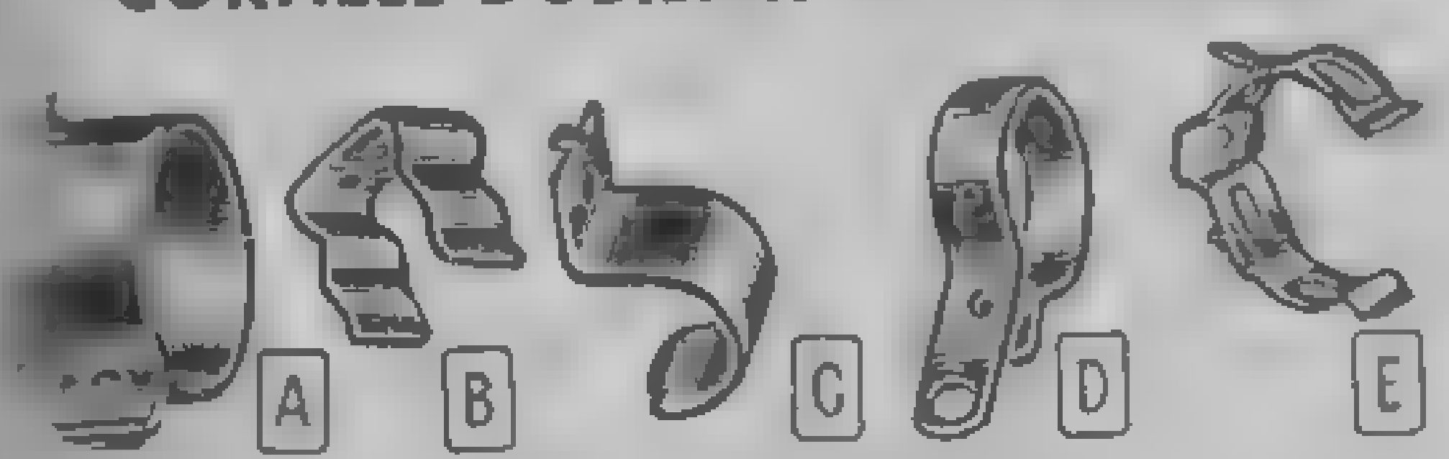
Cap. Mmf	Size
0.5 to 39	1/5x2/5"
43 to 82	1/5x1 1/16"
91 to 100	15/64x7/8"
110 to 220	9/32x1 11/64"
240 to 300	9/32x1 5/8"



Stock No.	Mmf	1-24, EA.	25-Up, EA.	Stock No.	Mmf	1-24, EA.	25-Up, EA.	Stock No.	Mmf	1-24, EA.	25-Up, EA.
11 L 200	.5	29¢	24¢	11 L 213	22	29¢	24¢	11 L 226	75	29¢	24¢
11 L 201	.68			11 L 214	24			11 L 227	82	29¢	24¢
11 L 202	1.0			11 L 492	25			11 L 228	91	29¢	24¢
11 L 203	1.5			11 L 215	27			11 L 229	100	29¢	24¢
11 L 204	2.2			11 L 216	30			11 L 231	120	44¢	36¢
11 L 205	3.3	29¢	24¢	11 L 217	33	29¢	24¢	11 L 232	130	44¢	36¢
11 L 206	4.7			11 L 219	39			11 L 233	150		
11 L 207	6.8			11 L 220	43			11 L 235	180		
11 L 208	10			11 L 221	47			11 L 236	200		
11 L 209	12	29¢	24¢	11 L 493	50	29¢	24¢	11 L 237	220	44¢	36¢
11 L 210	15			11 L 222	51			11 L 238	240	59¢	45¢
11 L 211	18			11 L 223	56			11 L 239	270	59¢	45¢
11 L 212	20			11 L 225	68			11 L 240	300	59¢	45¢

C-D AND MALLORY CAPACITOR MOUNTING HARDWARE

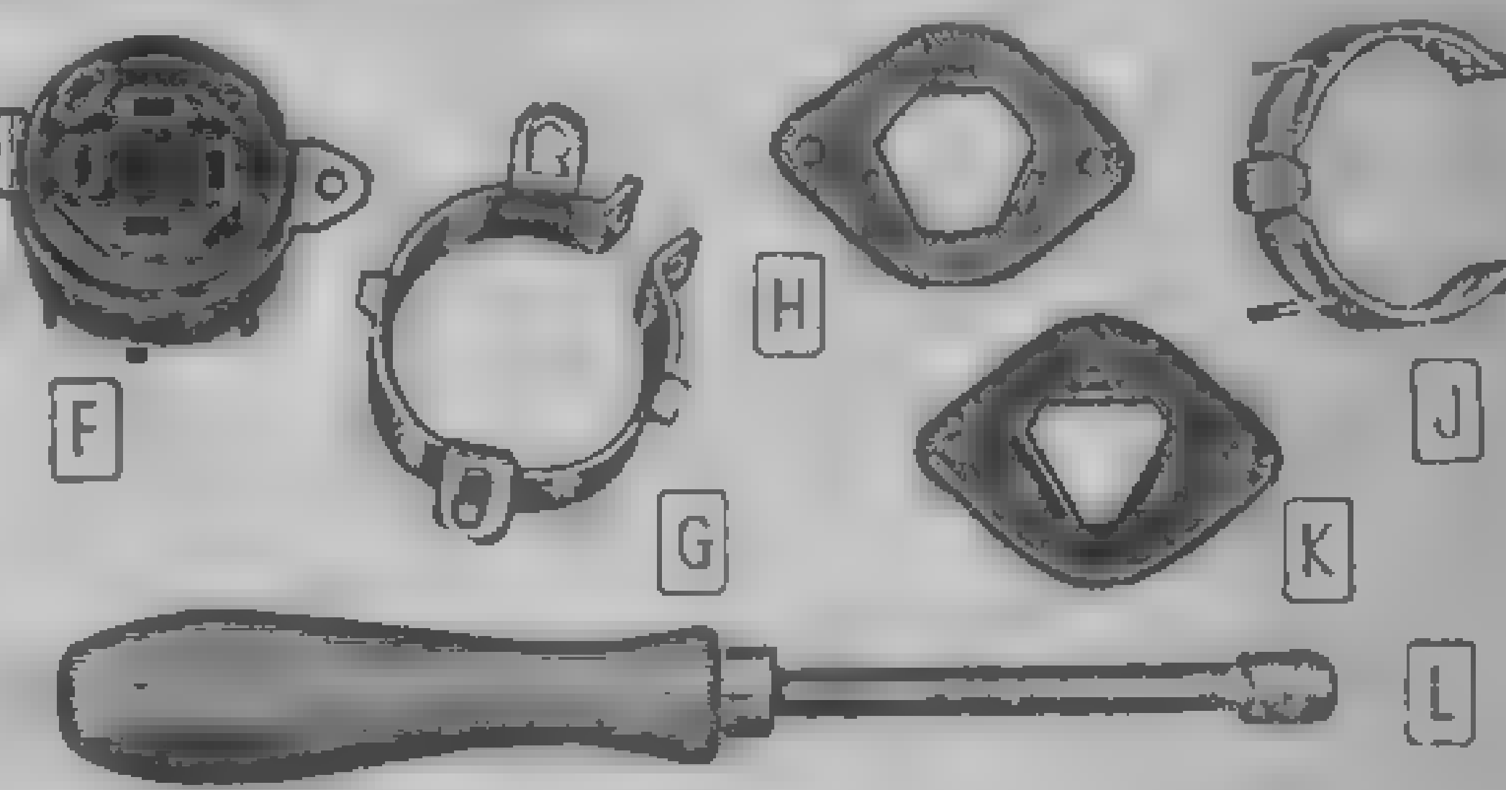
CORNELL-DUBILIER HARDWARE



dely used mounting hardware for all types capacitors. Designed for a variety of installa- ns, above or below chassis. Universal clip . E) adjusts to fit various sizes. Av. shpg. . 2 oz.

Stock No.	Fig.	Description	Pkg. of 2
L 478	A	Mtg. Ring; 1¼" dia. cans	.23
L 479	A	Mtg. Ring; 1⅜" dia. cans	.23
L 480	A	Mtg. Ring; 1½" dia. cans	.35
L 481	B	Mtg. Clip; ¾" dia. cans	.35
L 482	B	Mtg. Clip; 1" dia. cans	.35
L 483	B	Mtg. Clip; 1⅜" dia. cans	.35
L 484	C	"C" Clamp; ⅝-¾" cans	.35
L 485	C	"C" Clamp; ⅞-1" cans	.35
L 489	D	Mtg. Strap; I.D. ⅝"	.17
L 491	D	Mtg. Strap; I.D. ¾"	.17
L 492	D	Mtg. Strap; I.D. ⅞"	.17
L 493	E	For ⅜-7/16" dia. cans	.35
L 494	E	For ½-9/16" dia. cans	.35
L 495	E	For ⅝-11/16" dia. cans	.35
L 496	E	For ¾-13/16" dia. cans	.35
L 497	E	For ⅞-15/15" dia. cans	.35
L 498	E	For 1-1 1/16" dia. cans	.35
L 499	E	For 1⅜-1 7/16" dia. cans	.35

MALLORY MOUNTING HARDWARE



For mounting Mallory Type FP or WP capacitors use MP, BP, PS and MW-100 units listed below. For Type TC, FP, WP and other tubular capacitors use VR brackets for vertical mounting, or TH spring clips where horizontal mounting is required. *Metal. †Phenolic. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Size	NET
17 L 531	PS-4	F	1"	.41
17 L 532	PS-6	F	1⅜"	.53
17 L 402	VR-1	G	1 to 1 1/16"	.09
17 L 413	VR-3	G	1⅜ to 1 7/16"	.09
17 L 414	VR-4	G	1½ to 1 9/16"	.12
17 L 415	VR-6	G	1¾ to 1 13/16"	.15
17 L 416	VR-8	G	2 to 2 1/16"	.18
17 L 412	TH-25	J	1⅜ to 1 7/16"	.06
17 L 417	MW-100	L	Mtg. Wrench	1.03

Stock No.	Mfr's Type	Fig.	Size	Per Pkg. of 3
18 L 414	MP-2	H*	¾"	9c
18 L 415	MP-4	H*	1"	
18 L 416	MP-6	H*	1⅜"	
18 L 417	BP-2	K†	¾"	
18 L 418	BP-4	K†	1"	
18 L 419	BP-6	K†	1⅜"	
18 L 420	TH-13	J	⅜"	9c
18 L 421	TH-15	J	½ to 9/16"	
18 L 422	TH-17	J	⅝ to 11/16"	
18 L 423	TH-19	J	¾ to 13/16"	
18 L 424	TH-21	J	⅞ to 15/16"	

INSULATING SLEEVES

Fiber sleeves for FP type capacitors Wt., 2 oz.

No	Type	Size	EACH	No.	Type	Size	EACH
17 L 510	CE-1	¾x2"	6¢	17 L 515	CE-7	1x2½"	6¢
17 L 511	CE-3	1x2"		17 L 516	CE-8	1x4"	6¢
17 L 512	CE-4	1x3"		17 L 517	CE-9	1⅜x2½"	6¢
17 L 513	CE-5	1⅜x2"		17 L 518	CE-10	1⅜x4"	9¢
17 L 514	CE-6	1⅜x3"					

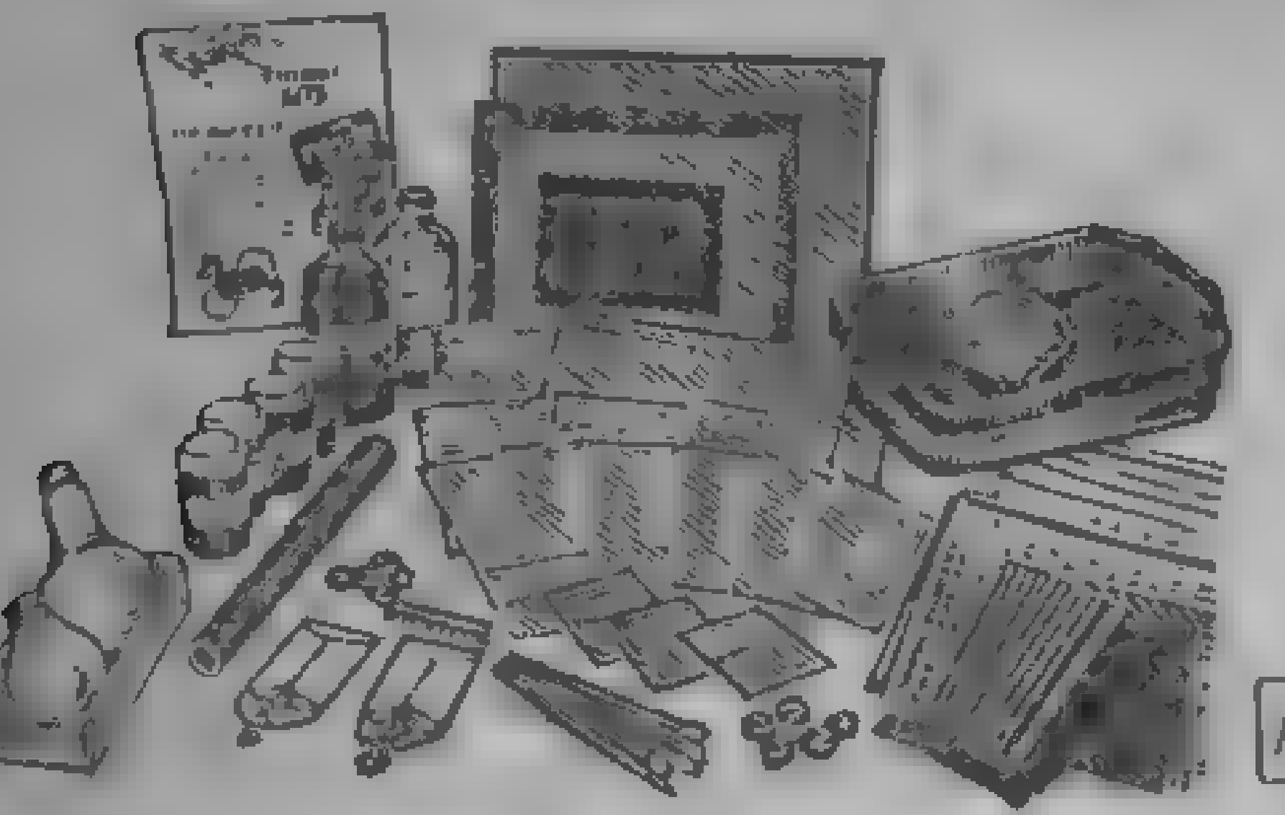
PL & HB MOUNTING HARDWARE

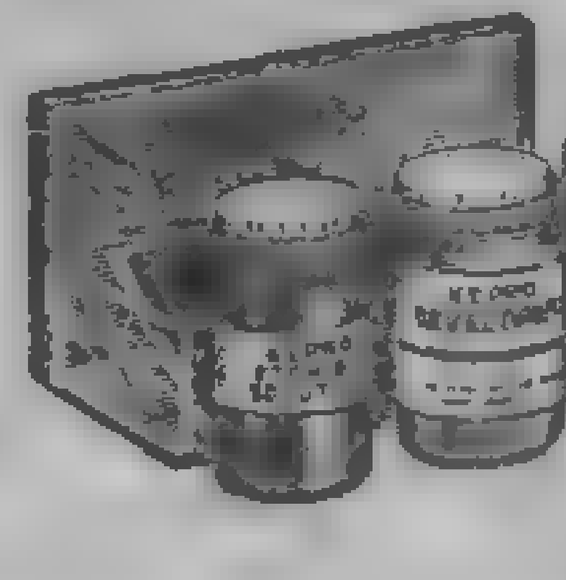
Plastic end caps and mounting brackets for plastic cased, high capacity electrolytics. P.E.C. indicates plastic end cap. Av. wt., 3 oz.

No.	Type	Description	Size	NET
18 L 392	PL-8	P.E.C., on motor	2 1/16"	18¢
18 L 393	PL-3A	P.E.C., off motor	1 7/16"	12¢
18 L 396	HB-4	Horiz. bracket	3¾"	18¢
18 L 397	HB-8	Horiz. bracket	4⅝"	21¢

Printed Circuit Kits and Packaged Circuits

PRINTED CIRCUIT KITS


A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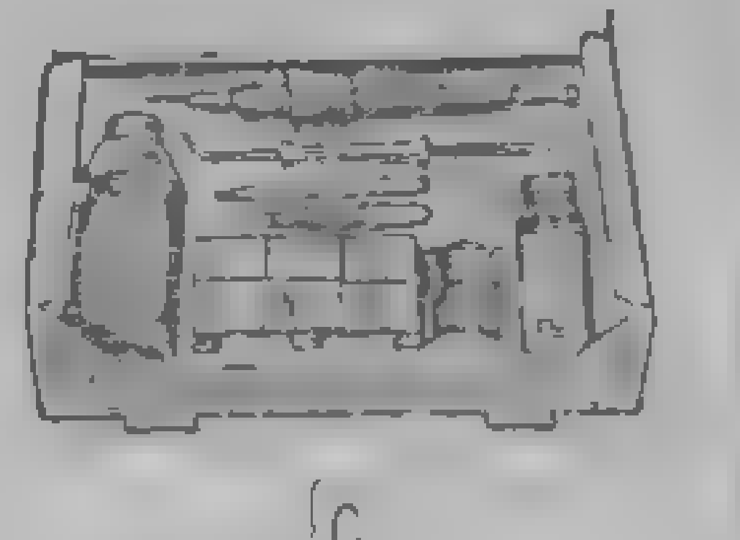
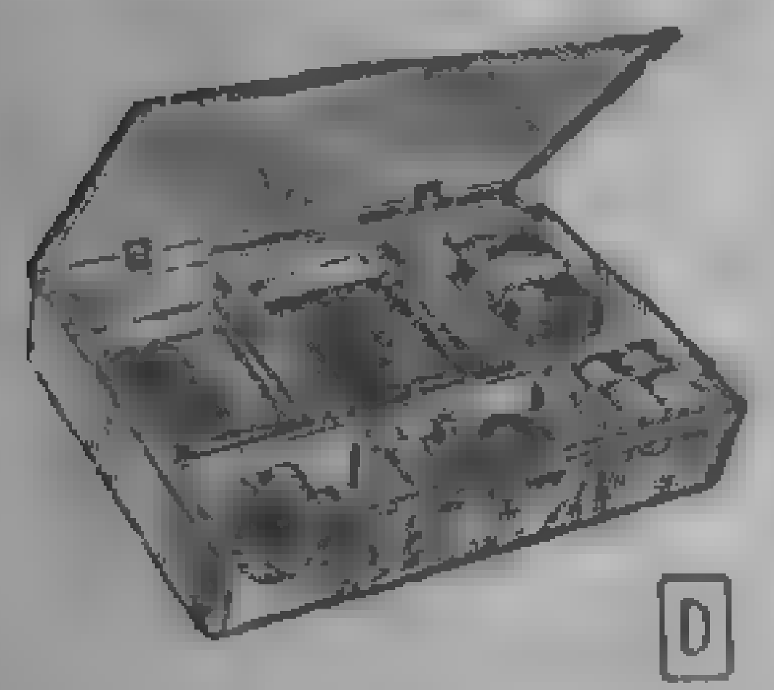

C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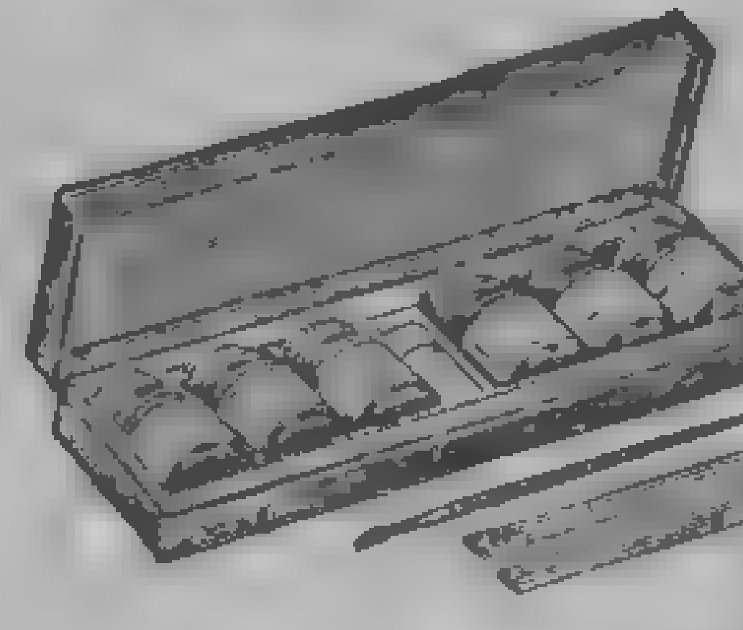
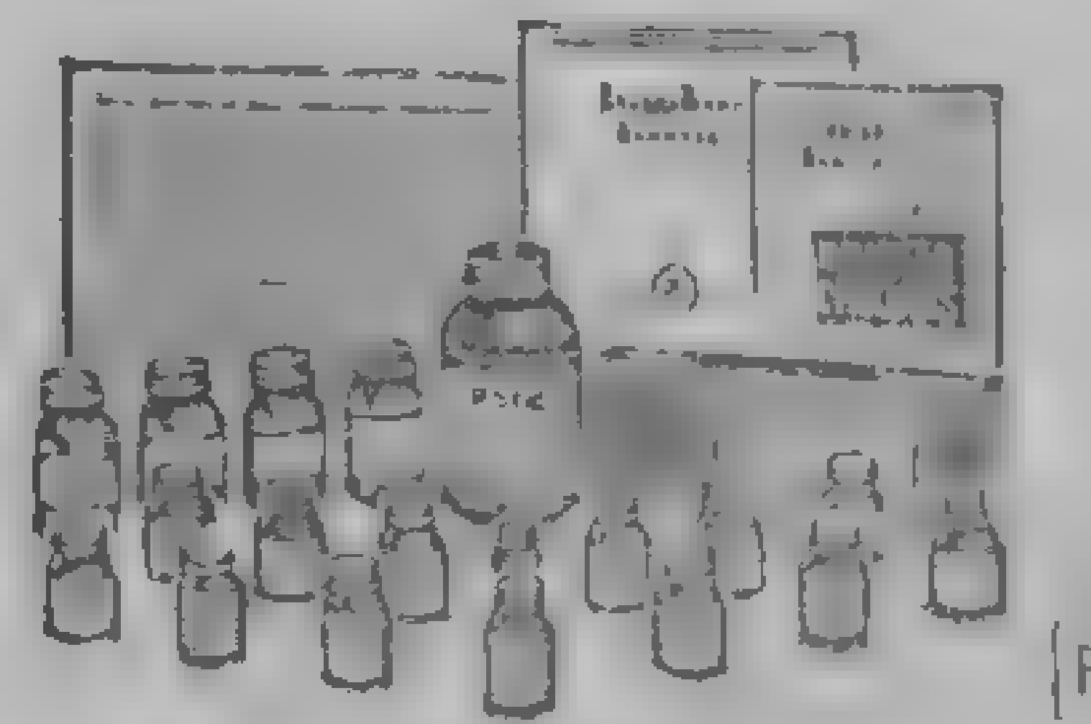

E


F

A **L-605 Kepro Printed Circuit Lab.** May be used for all printed circuit requirements from a single experimental circuit to short production runs. Produces etched circuits of highest quality, yet requires no photo experience or equipment. Kit contains all necessary materials. Has 2½ square ft. of single and double-clad materials including presensitized copper-clad phenolic sheets that are ready to be exposed, developed and etched; trays; safe light; printing frame; photo flood lamp; layout kit; connectors; brush; etching solution; developer; tube sockets and #52 drill. Supplied complete will full instructions and descriptive literature. Shpg. wt., 20 lbs.
43 N 396. *$2 Down.* **NET**..........30.87

B **Kepro P101 Professional Kit.** Etched circuit kit. Negative of layout can be produced photographically, or manually with the negative materials supplied. A sensitized sheet of copper-clad XXXP phenolic is exposed through the prepared negative, then developed and etched. Kit contains: 2 sheets of 1/16" copper-clad phenolic 6x3"; 2 pieces negative mask; 1 printing frame glass; 2 printing frame clamps; 1 bottle developer; 2 bottles etching solution; 1 aluminum developing tray; 1 polystyrene etching tray; 1 cleaning pad; and a set of complete instructions. Shpg. wt., 2½ lbs.
43 N 068. NET.....................5.29

Kepro-S-101 Standard Kit. (Not illustrated.) An economy etching kit supplied with all materials needed for manually producing etched copper circuits. Kit contains: 2 sheets of 1/16" copper-clad phenolic 6x3"; 1 bottle etch-resistant solution; 1 etching tray; 1 bottle etching solution; 1 cleaning pad; 1 brush; and instructions. Plastic case. Shpg. wt., 1½ lbs.
43 N 069. NET.....................3.38

G-C PRINTED CIRCUIT REPAIR KIT

C **Model 683.** Save time and minimize replacement of printed circuit components with this handy repair kit. Permits quick repair jobs on resistors, capacitors, coils, wiring, sockets, lugs, copper foil, etc.—a valuable service aid. Kit includes: foil; solder washers; solder; "solder ease" tool for tightening contacts, etc.; fiberglass brush; 6-oz. spray can of silicone resin lacquer; solvent for removing solder; tweezers; Ungar soldering iron; instructions. 7x12½x3½". Shpg. wt., 1 lb.
46 N 465. List, $13.95. **NET**.........8.20

KEPRO PL-2 PHOTO LAYOUT KIT

Provides all material for preparing master circuit layouts for those desiring the use of photographic negatives. Eliminates drafting and inking, yet produces a negative requiring minimum retouching. Complete with full instructions and data. Shpg. wt., 14 oz.
43 N 397. NET.....................2.89

KEPRO NAMEPLATE & PANEL KIT

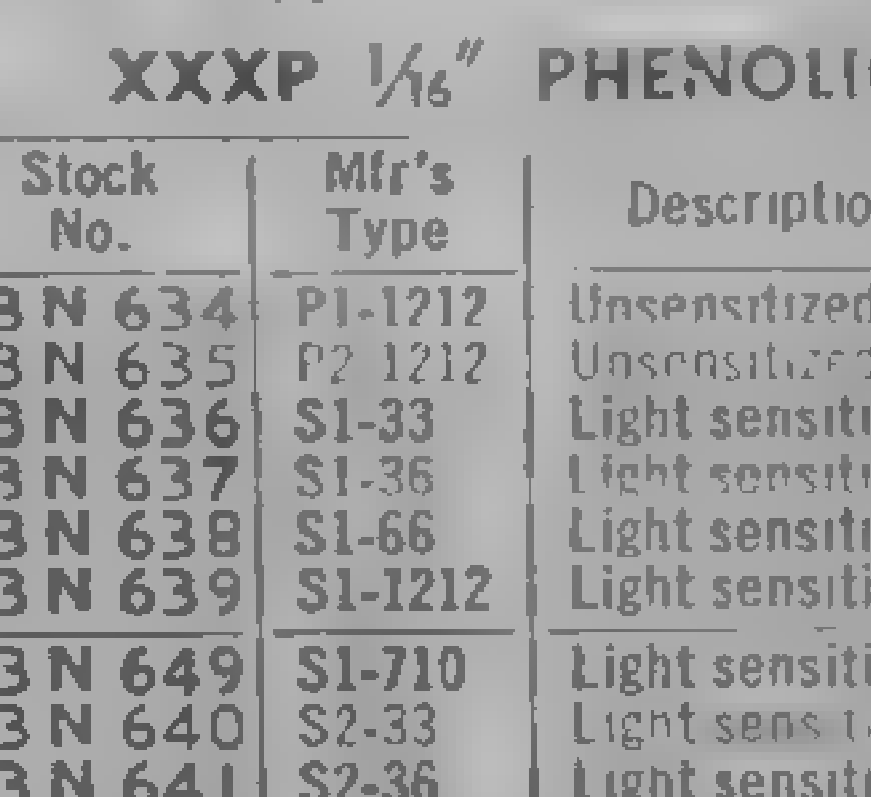
Complete kit for making nameplates, dials, panel overlays, meter faces, etc., for short-run production and prototype use. Includes: 2—8x10" sheets of sensitized aluminum plates, three sizes letters and numerals, film, developer, printing glass, etc. Shpg. wt., 1 lb.
43 N 099. NET.....................6.81

D **Techniques Kit.** With this complete kit, it's a very simple matter to set up operating prototypes of many different kinds of printed circuits. Kit contains all materials required for producing etched circuits. It includes: 7 single-sided, copper-clad laminates; 5 double-sided, copper-clad laminates; 17 assorted tube sockets; roll of tape resist; 1 bottle of liquid resist; photographic resist; etchant; terminals; layout paper; sample of etched process, etc. In plastic box, 9¼x13x2". Shpg. wt., 9½ lbs.
43 NX 067. *$2 Down.* **NET**........27.00

E **Micro-Circuits S31 Kit.** Time-saving assortment of electrically conductive coatings and accessories for research and development programs. Kit includes following conducting paints: air-drying silver; flexible, air-drying silver; baking silver; firing silver; inorganic, water-base silver. Also includes: S21 resistor and conductor paint kit; silver shielding paint; 125-ohm-per-square resistance paint; carbon-conducting shielding paint; magnetic paint; fast and slow-drying solvents; plus informative manuals. Shpg. wt., 11 lbs.
43 N 098. *$5 Down.* **NET**..........67.86

F **Micro-Circuits S21 Kit.** This printed circuit kit lets you create all kinds of miniature-sized electronic equipment. Make resistors, capacitors, connecting wires and many other components. Kit also allows you to paint your own radio circuit and make rapid, easy repairs on existing printed circuits. Special materials supplied with kit include: brush; silver conducting paint; low, medium, high and very high resistance paints; insulating lacquer; solvent; brush cleaner; the manual, "Design and Repair of Printed Circuits," plus other informative literature. In cardboard box. Shpg. wt., 1¾ lbs.
43 N 070. NET....................17.75

KEPRO PRINTED CIRCUIT MATERIALS



A selection of quality printed circuit materials either for replacement use in Kepro PC kits or for those currently engaged in printed circuit development. Have .00135" thick copper coating. All sheets have foil on both sides, except *which have coating on one side only. Av. shpg. wt. of phenol. sheet, 3 oz., 2 oz. solutions, 6 oz.; pint solutions, 3 lbs.

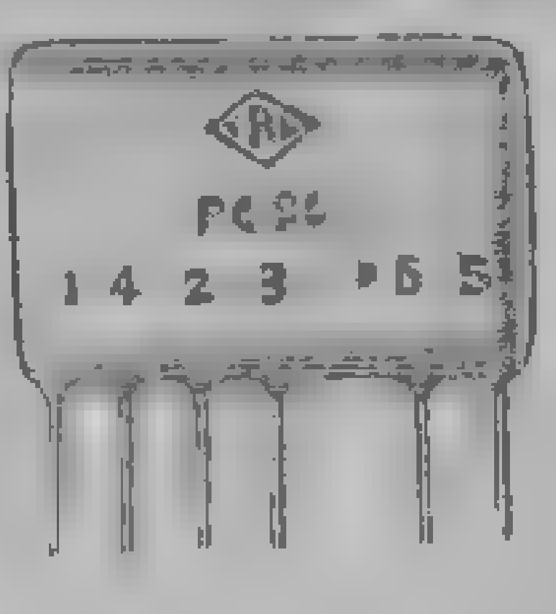
XXXP 1/16" PHENOLIC SHEETS

Stock No.	Mfr's Type	Description	Size	NET EACH
43 N 634	P1-1212	Unsensitized*	12x12"	2.35
43 N 635	P2-1212	Unsensitized	12x12"	3.03
43 N 636	S1-33	Light sensitive*	3x3"	.34
43 N 637	S1-36	Light sensitive*	3x6"	.69
43 N 638	S1-66	Light sensitive*	6x6"	1.27
43 N 639	S1-1212	Light sensitive*	12x12"	4.68
43 N 649	S1-710	Light sensitive*	7x10"	2.50
43 N 640	S2-33	Light sensitive	3x3	.49
43 N 641	S2-36	Light sensitive	3x6"	.98
43 N 642	S2-66	Light sensitive	6x6"	1.82
43 N 643	S2-1212	Light sensitive	12x12"	6.59
43 N 644	S2-710	Light sensitive	7x10"	3.52

CHEMICALS

43 N 645	R-2	Paint resist	2 oz.	.59
43 N 646	T-2	Resist thinner	2 oz.	.49
43 N 647	D-1PT	Developing sol.	Pint	1.03
43 N 648	E-1PT	Etching solution	Pint	.83

CENTRALAB PACKAGED ELECTRONIC CIRCUITS (PEC)



Complete, printed electro
circuits—with resisto
capacitors, and in so
cases, inductors. Ideal
the replacement of entire c
cuit sections in radio and
sets. The printed-circ
wiring and all compone
are bound to a ceramic
and sealed against moist
temperature change a
physical shock. These dependable sub-asse
blies are widely used in original equipment a
plications—especially in TV chassis. Excell
for use by experimenters and those engaged
new design. Offer space-saving features of m
iaturization as well as circuit stability at ve
low cost. All types listed are standard throu
out the electronics industry, always stock
easily replaced. Designed for quick mount
Only durable, quality components used. A
shpg. wt., 2 oz.

**18 L 893. PC-6 Packaged Electronic C
cuit Guide.** Contains complete data-
CHARGE ON REQUEST.

No.	Type	Description
11 L 147	PC-50	Diode Load Filter
11 L 148	PC-51	Diode Load Filter
11 L 150	PC-70	Triode Couplate
11 L 151	PC-71	Triode Couplate
11 L 152	PC-80	Triode Couplate
11 L 153	PC-81	Triode Couplate
11 L 165	PC-84	Triode Couplate
11 L 154	PC-90	Pentode Couplate
11 L 155	PC-91	Pentode Couplate
11 L 166	PC-92	Pentode Couplate
11 L 156	PC-100	Vertical Integrator
11 L 157	PC-101	Vertical Integrator
11 L 356	PC-104	Vertical Integrator
11 L 357	PC-105	Vertical Integrator
11 L 358	PC-106	Vertical Integrator
11 L 158	PC-150	Audio/Det Couplate
11 L 170	PC-151	Audio/Det Couplate
11 L 359	PC-154	Audio/Det Couplate
11 L 360	PC-157	Audio/Det Couplate
11 L 361	PC-158	Audio/Det Couplate
11 L 362	PC-159	Audio/Det Couplate
11 L 171	PC-160	Pentode/Det Couplate
11 L 172	PC-165	Pentode/Det Couplate
11 L 368	PC-260	Sync Takeoff Couplate
11 L 369	PC-262	Sync Takeoff Couplate
11 L 380	PC-263	Sync Takeoff Couplate
18 L 901	PC-314	Retrace Suppression
18 L 908	PC-327	Pentode/Det Couplate

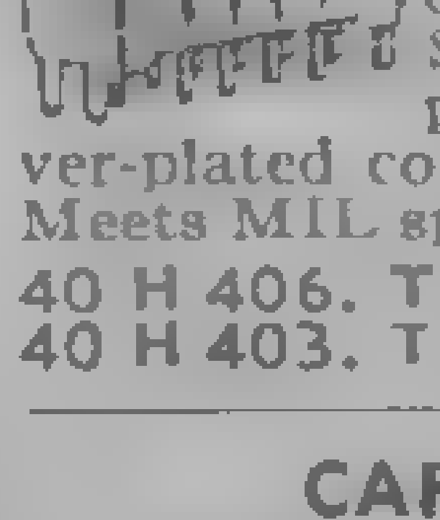
CENTRALAB 4-STAGE PACKAGED AMPLIFIER

An ultra-miniature, 4-stage
for use wherever an extrem
small, high-gain audio ampl
is needed. Has 73 db gain (m
mum) at 1 kc. Noise, 30 db be
signal with 25 μv input at 1
Frequency response, 2-5 db d
at 3 kc; output, up to ½
Operates from a 1.34 v. mer
battery. Thoroughly sealed to prevent mech
ical and atmospheric damage. 17/32" diameter.
battery. Shpg. wt., 4 oz.
11 LC 298. *$2 Down.* **NET**..........44

PRINTED CIRCUIT BOOK

PRINTED CIRCUITS. By Morris M
(Gernsback). Thoroughly covers printed c
cuits and miniature equipment. Chapters
clude: Techniques And Materials; Repair
Printed-Circuit And Subminiature Assemb
Illustrated. 224 pages. 5½x8½".
39 K 279. Postpaid in U.S.A. .... 2.

AEROVOX RIGHT-ANG TUBE SOCKETS



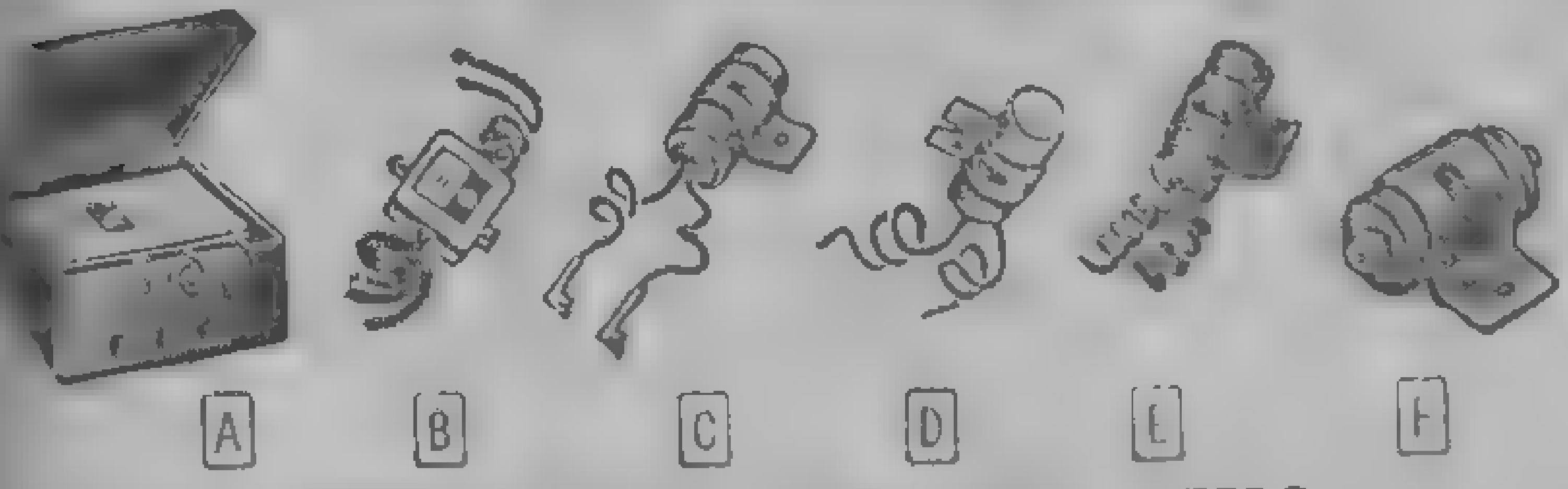
Space-saving sockets permit
izontal placement of tubes.
use with printed circuits. A
extremely compact chassis lay
Socket prongs insert easily
punched circuit board holes
ver-plated contacts. Molded Alkyd 430
Meets MIL specs. 31/32x31/32x5/16". 6 oz.
40 H 406. Type RA9A. 9-Pin. **NET**....9
40 H 403. Type RA7A. 7-Pin. **NET**....

CAPACITOR INDICATOR

Type C-751. Reads color codes directly in ca
tance, tolerance, and voltage. Wt., 2 oz.
37 K 076 ....

Interference Filters—Auto Suppressors

WIRED-IN TYPE FILTERS AND AUTO SUPPRESSORS



CORNELL-DUBILIER "QUIETONE" FILTERS

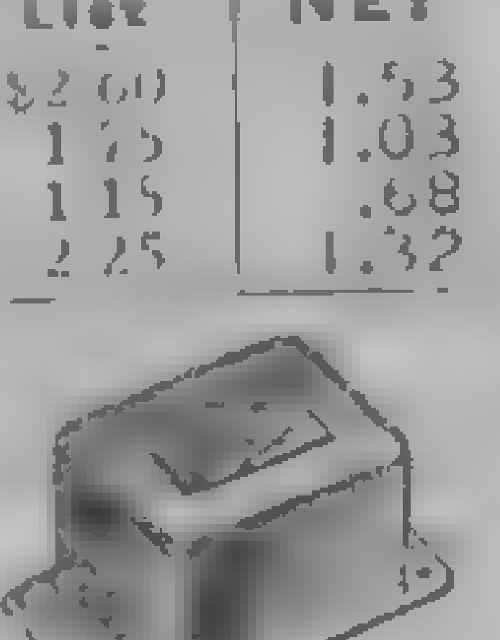
Type IF-7A. For installation at appliance. Capacitive-inductive type er for suppression of severe interference. Attaches to oil burners, ic motors in dishwashers, disposal units, washing machines, home op tools, etc. For single-phase 110 220 volt AC or DC. Rated ps. Size, 6x6x4″. Shpg. wt., 9 lbs.
3 124. List, $13.75. **NET**..............................8.08

ype IF-54. General-purpose capacitive inductive filter for use re moderate interference is present. For circuits drawing 2 amps from power line. Miniature size permits installation on almost any ance or fluorescent fixture causing interference. Rated 110-220 volts, r DC. Shpg. wt., 8 oz.
3 114. List, $2.50. **NET**..............................1.47

SPRAGUE INTERFERENCE FILTERS

IF. Compact multi-section interference filters for suppressing ade radio and TV interference. Small and completely selfed. For use on motors, thermostats, arcing devices, etc., up to ts, AC or DC. Easily installed. **Av. shpg. wt., 8 oz.**

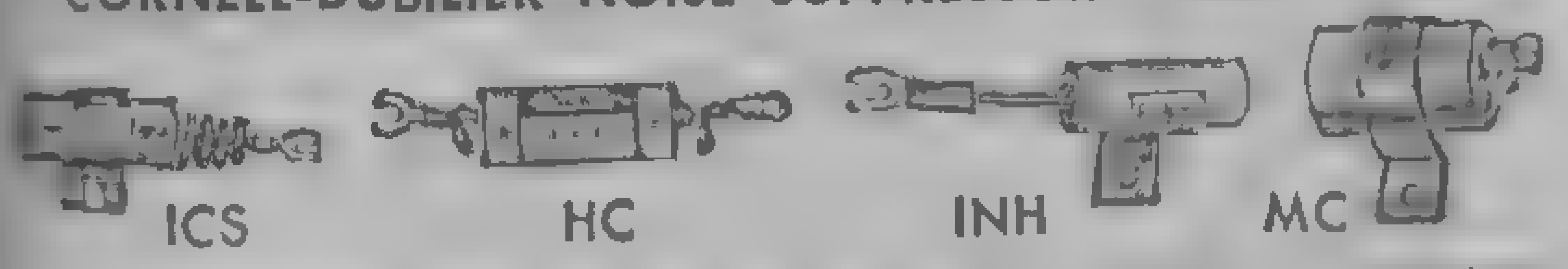
No.	Type	Fig.	Size	Sections	List	NET
100	IF-15	C	1x2 3/16″	Triple	$2.60	1.53
105	IF-21	E	1x2 5/16″	Dual	1.75	1.03
113	IF-S1	D	¾x2 1/16″	Single	1.15	.68
112	IF-37	E	1x2 1/16″	Triple	2.25	1.32


Types 2, 3

rol Types. Connect in series with power supply of industrial devices. Encased three-terminal net- of matched, specially designed chokes and coils as one of the terminals. Select filter with higher g than the continuous current rating of the device which it is to be used. Type 4 (Fig. F, above) ides strong attenuation above 5 mc. Single-hole ing. Types 2 and 3 are drilled for mounting at side. Av. shpg. wt., 1 lb.

No.	Type	Amps	V.AC-DC	Size	List	NET
B 092	2	10	115	1⅛x2x2″	$14.80	8.70
B 093	3	35	115	1⅞x2⅞x3⅛″	27.40	16.11
094	4	20	115	1″ dia x1 13/16″ long	3.05	1.79

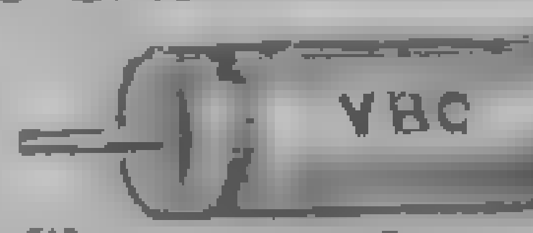
CORNELL-DUBILIER NOISE SUPPRESSOR CAPACITORS



suppressing capacitors for mounting on generators, ammeters, age regulators, fuel pumps, etc. Withstand severe vibration, as well remes in temperature and humidity. An effective means of elimi- radio interference caused by ignition system. Shpg. wt., 4 oz.

k No.	Type	Mfd.	WVDC	Size	NET
L 625	ICS2P1 3	.1	200	1¼x[illegible]x1⅛″	.44
L 626	MC8D98	.1	100	1⅝x11/16x⅝″	1.18
L 627	MC8D99	.25	100	1¾x11/16x⅝″	1.26
L 628	HC870E	.5	100	⅞x¾x1½″	.53
L 629	IC2P5C	.5	200	1⅜x11/16x1½″	.44
L 630	INH1P5-3	.5	100	1 11/16x1 1/16x2 3/16″	.53
L 631	INH2P5-7	.5	200	1 13/16x1 1/16x2 11/16″	.53
L 632	MC9D00	.5	100	1 11/16x1x⅝″	1.59
L 633	INS2W1-6	1.0	200	2 3/16x⅞x6″	1.03

AEROVOX VBC VIBRATOR BUFFER CAPACITORS



avy-duty buffer capacitors that effectively ce vibrator hash and suppress interference. ts are paper in ceramic tubes. All 1600WV cept *3000 v. Resist shock, temperature, etc. Shpg. wt., 3 oz.

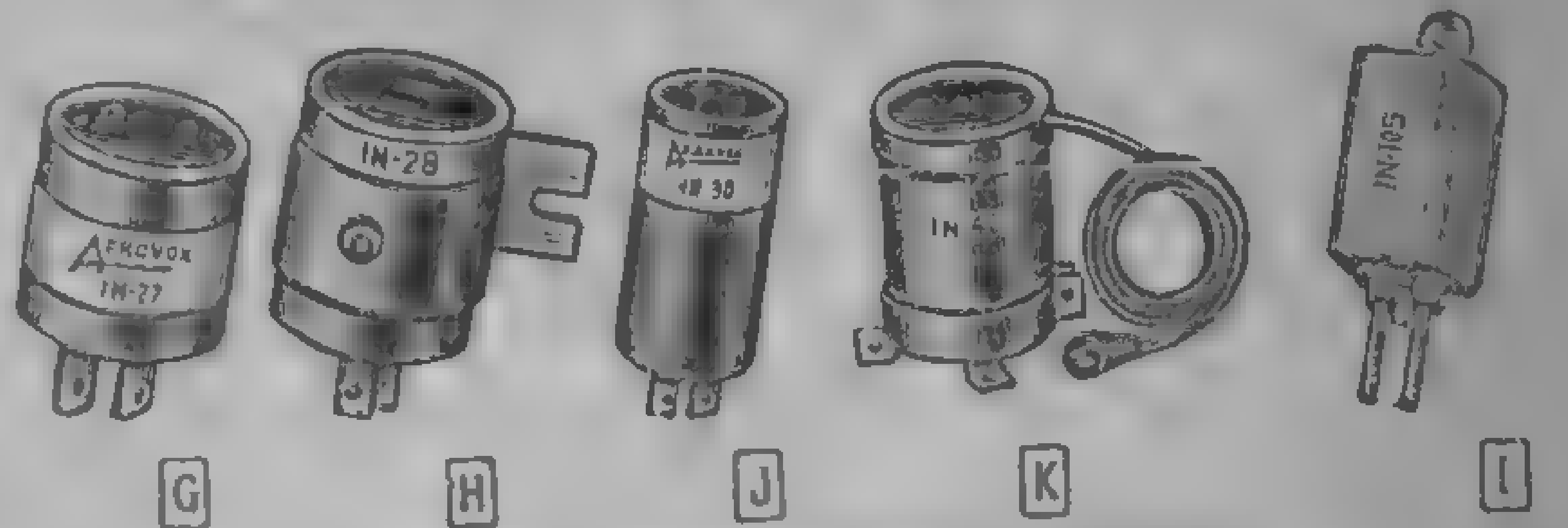
k No.	Type	Mfd.	Size	NET	Stock No.	Type	Mfd.	Size	NET
L 918	VBC-2	.001	⅜x1¼″	29¢	18 L 939	VBC-23	.0068	11/32x1½″	29¢
L 919	VBC-3	.002	⅜x1½″	29¢	18 L 940	VBC-25	.0075	17/32x1½″	32¢
L 920	VBC-4	.0022	⅜x1½″	29¢	18 L 941	VBC-27	.01	9/16x1½″	32¢
L 937	VBC-6	.0033	7/16x1½″	29¢	18 L 942	VBC-29	.02	⅝x2″	32¢
L 938	VBC-8	.0047	7/16x1½″	29¢	18 L 943	VBC-45*	.007	11/16x2″	38¢

SPRAGUE "HYPASS" NETWORK CAPACITORS

through VHF bypass capacitors. Install in ies with circuit being filtered. Efficient up to mc. Reduce vibrator hash and harmonic ation. 48P18 reduces voltage regulator noise mobile applications. 80P3 is for bulkhead unting. *Screw terminals. †AC volts. 2 oz.

ck No.	Type	Mfd.	Amps.	WVDC	Size	NET
5 L 688	48P18*	.5	40	50	1x1 13/16″	2.23
5 L 970	48P9*	.1	20	250†	1 1/16x1 13/16″	1.53
L 685	48P8*	.1	20	600	1 1/16x1 13/16″	1.53
5 L 683	46P12	.002	15	600	¼x1⅝″	1.26
5 L 971	46P8	.005	15	600	¼x1⅝″	1.26
5 L 972	47P6	.01	20	600	7/16x1¼″	1.38
L 689	80P3*	.1	20	600	1 1/16x1 13/16″	1.73
L 973	47P12	.005	20	1000	[illegible]x1¼″	1.41
L 974	47P13	.01	20	1000	[illegible]x1½″	1.53
L 992	47P14	.005	20	2500	1x1 9/16″	1.71
5 L 993	47P15	.01	20	2500	1x1 3/16″	1.82
5 L 697	47P16	.002	20	5000	1x1 9/16″	1.88

PLUG-IN AND WIRED-IN TYPE FILTERS FOR RADIO, TV AND APPLIANCES



AEROVOX INTERFERENCE FILTERS

G **Type IN-27.** A simple and inexpensive plug-in unit for use where interference is slight; electric shavers, etc. Diameter, 1⅜″; 1½″ long. Shpg. wt., 5 oz.
70 B 096. List, $1.50. **NET**..............................88c

H **Type IN-28.** For use where ground is at a considerable distance. Provides most efficient filtering action when mounted on appliance. Supplied with convenient mounting bracket. Diameter, 1⅜″; 2″ long. Shpg. wt., 8 oz.
70 B 097. List, $2.00. **NET**..............................1.18

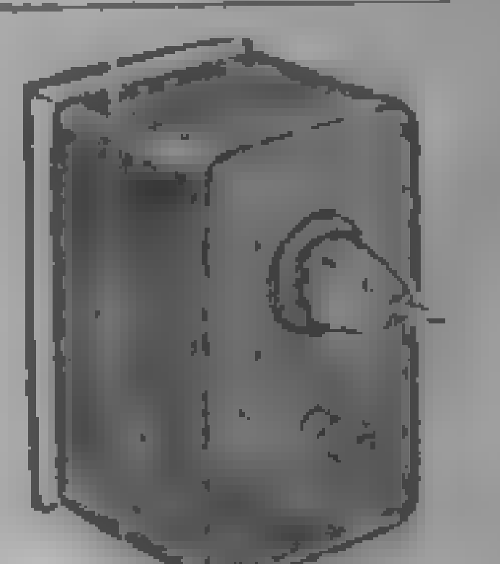
J **Type IN-30.** Highly effective plug-in unit for local noise sources of variable character and severe intensity; auto call systems, barber clippers, cash registers, billing and calculating machines, food mixers, fruit juice extractors, dental machines, drink mixers, fans, hair dryers, etc. Diameter, 1⅜″; 3″ long. Shpg. wt., 7 oz.
70 B 098. List, $2.50. **NET**..............................1.47

K **Type IN-42.** Heavy-duty unit for serious interference from power transmission lines, vacuum cleaners, washing machines, refrigerators, dishwashers, electric typewriters, drills, etc. Filter is plugged into AC outlet—appliance or radio plugs into receptacle on filter. With mounting ring. Rated at 110-120 v. AC; 6 amps. Diameter, 2½″; 3¾″ long. Shpg. wt., 1 lb.
70 B 099. List, $7.50. **NET**..............................4.41

L **Type IN105.** Rugged low-impedance delta-connected capacitor. Especially designed to eliminate interference caused by fluorescent light fixtures. Also effective in electric drills, fans, large motors, and oil burners. Compact bathtub case. Highly reliable, these filters are permanently installed in appliances produced by leading manufacturers. Best operation is secured when mounted as close to the interfering appliance as possible. Connects either across the line, or as a bypass from line to ground. Size, 1¾x1x¾″ high. Shpg. wt., 6 oz.
70 B 307. List, $1.75. **NET**..............................1.03

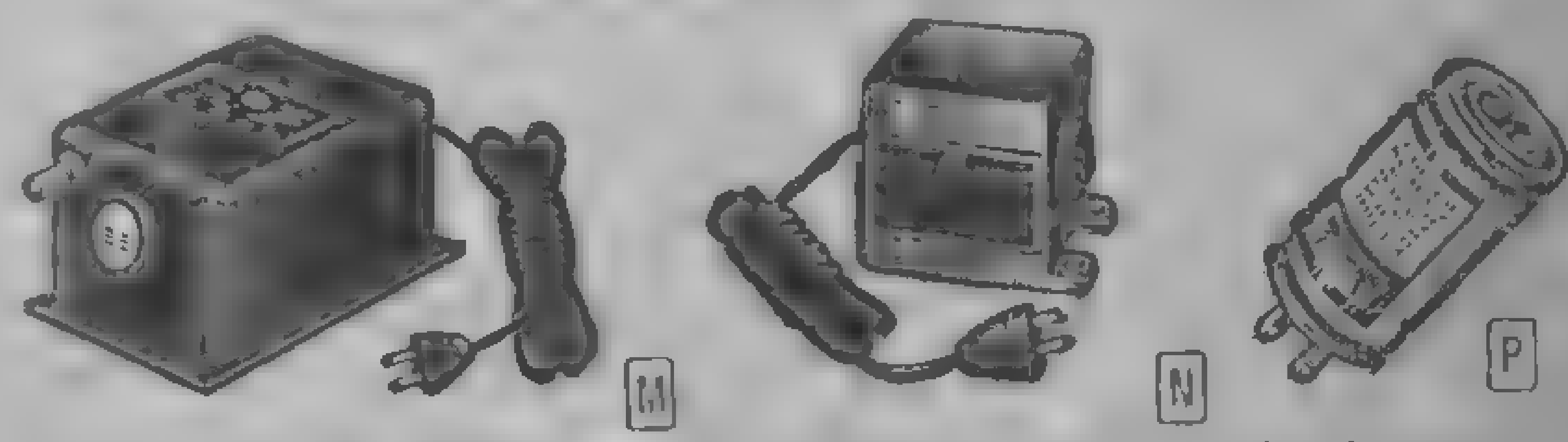
L **Type IN106.** Excellent choice for stores and offices using large number of fluorescent fixtures. Perfect for radio and television salesrooms depending on utmost in lighting, with least interference. Also recommended for adding machines, drink mixers, fans, humidifiers, small motors, radio receivers and sewing machines. Install inside equipment generating noise. One unit per fixture in series where power leads enter. Metal container with four stranded wire leads. 125 v. AC or DC; 2 6 amps. 1⅞x3x1⅜″. Shpg. wt., 6 oz.
70 B 308. List, $3.75. **NET**..............................2.23

NEW FEDTRO "TV TROUBLE TRAPPER"



Constant "K" type high-pass filter for elimination of television interference caused by signals below 55 mc. Quickly and easily installed at antenna terminals of TV set. Reduces interference caused by ignition systems, appliances, X-ray equipment, diathermy machines, etc. Attenuation of undesired signals is in excess of 40 db. 1½x3x½″. Shpg. wt., 12 oz.
70 L 184. List, $2.50. **NET**..............................1.20

CORNELL-DUBILIER "QUIETONE" FILTERS



M **Type IF-18.** Highly effective all-wave capacitive-inductive type of filter for suppression of severe interference. Used where ventilating or air conditioning units, washing machines, or machine tools interfere with reception on radio or TV. Bakelite case, 6x3¾x2½″, with line cord and plug attached. Binding post for attachment of ground wire, if used. Rated at 115 volts, AC-DC, 5 amps. Shpg. wt., 4 lbs.
70 B 120. List, $9.20. **NET**..............................5.41

N **Type IF-19.** Effective capacitive-inductive type filter for use where interference is severe. Used to eliminate interference from electric fans, diathermy machines, neon signs, etc. Mounting holes for permanent attachment to baseboard, back of receiver or any convenient location. Terminal for ground connection. Rated 115 volts AC-DC, 5 amps. Bakelite case, 4x2¼x2⅞″. Shpg. wt., 1½ lbs.
70 B 121. List, $7.70. **NET**..............................4.53

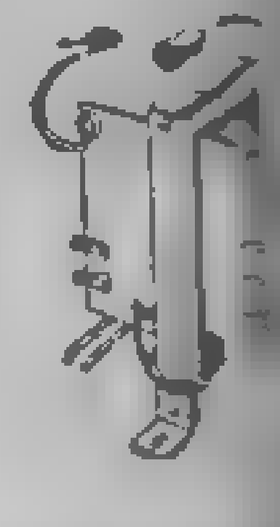
P **Type IF-4.** Plug-in, cylindrical filter for suppression of medium-intensity interference produced by fluorescent lights, electric shavers and similar devices. Well-suited for use with small receivers such as AC-DC midget sets, portable TV sets, etc. Filter plugs directly into wall; appliance or receiver plugs into filter. Rated 115 volts, AC-DC, 5 amps. 1⅜″ diameter and 2″ long. Shpg. wt., 5 oz.
70 B 125. List, $1.25. **NET**..............................73c

P **Type IF-6.** Convenient plug-in filter for elimination of moderate interference. Especially suitable for suppression of interference caused by fluorescent lights, electric shavers, and similar devices. Connects between power line and appliance, or between power line and receiver. Rated at 115 volts, AC-DC, 5 amps. Size, 1⅜″ diameter, 2″ long. Shpg. wt., 6 oz.
70 B 126. List, $1.95. **NET**..............................1.15

Stancor TV Transformers

EXACT-REPLACEMENT TV HORIZONTAL OUTPUT TRANSFORMERS

A complete line of top-quality replacement flyback transformers for all standard television receivers Every transformer faithfully duplicates all of the electrical and physical characteristics of the original manufacturer's unit. Manufacturer's own specifications are used; performance is identical in every respect. No alterations are required in the existing circuit or chassis for installation. Carefully constructed of high-quality materials to assure exceptional dependability. *For 77J1 except where 6CD6 horizontal output tube is used. Av. shpg. wt., 1 lb.



ADMIRAL

No.	Type	Orig. Mfr's Part No.	NET
64 G 210	A-8128	79C23-3, 79C28-1	6.88
64 G 211	A-8133	79C30-1/-3	9.89
64 G 551	A-8134	79C30-2/-4, 79C38-1, 79D38-1	8.96
64 G 213	A-8254	79C60-1	5.59
64 G 214	A-8255	79C60-2/-3	6.49
63 G 460	HO-265	79C70-1	5.83
64 G 572	A 8135	79D41-1/-2	7.64
64 G 212	A 8253	79D48-1	7.35
63 G 459	A 8292	79D65 1	7.06
61 G 204	HO-301	79D65-2/-4	7.17
61 G 205	HO-304	79D77-2	7.79
63 G 290	HO-317	79B77-6, 79D77-6, 79E77-6	7.84
63 G 291	HO 318	7977-7/-22, 79E77-7	7.47
63 G 292	HO-319	79D83-1	7.35

CAPEHART

No.	Type	Orig. Mfr's Part No.	NET
64 G 221	A-8131	750163A 1	5.87
63 G 461	A-8285	850285E-1	7.64

CBS-COLUMBIA

No.	Type	Orig. Mfr's Part No.	NET
64 G 331	A 8230	10104 07 08 10/35	7.35
64 G 332	A-8231	10136B/37/38/59	7.35
63 G 463	A 8283	12000841/51	6.92
63 G 464	A 8284	12001051/91	6.53

CROSLEY

No.	Type	Orig. Mfr's Part No.	NET
64 G 222	A 8241	157820	6.36
64 G 223	A-8248	154069/-1, 154990/2 3	9.37
64 G 208	A-8263	158481-1/-2/-5	7.57

EMERSON

No.	Type	Orig. Mfr's Part No.	NET
64 G 221	A-8131	738047/48/53	5.87
64 G 268	A-8138	738079/84	6.53
64 G 333	A-8232	738067, 68 69/73/74/75/82	7.35
61 G 206	HO 294	738103/109	6.53
61 G 207	HO-295	738106 107/111	7.32
61 G 208	HO-296	738119 122/128/129/140	7.50
61 G 247	HO 309	738138/A	5.88
61 G 248	HO-310	738142	7.06
61 G 249	HO-311	738155	5.15
61 G 250	HO-312	738160	4.93
61 G 251	HO 313	738162	5.27
61 G 252	HO 314	738169	4.71

GENERAL ELECTRIC

No.	Type	Orig. Mfr's Part No.	NET
64 G 546	A-8130*	77J1	7.17
64 G 277	A 8262	RTO 131/141/-143 3	6.91
63 G 466	A 8288	RTO 149/1	6.17
63 G 467	A-8289	RTO-151/3	6.31
63 G 471	A 8290	RTO-166/5	6.05
63 G 468	HO-252	RTO 165	6.47
63 G 469	HO 253	RTO-175/87	6.47
63 G 470	HO-254	RTO-179/88	6.47
61 G 209	HO-298	RTO-207	6.69

GENERAL ELECTRIC (Cont'd)

No.	Type	Orig. Mfr's Part No.	NET
61 G 210	HO-299	RTO-208	7.06

HOFFMAN

No.	Type	Orig. Mfr's Part No.	NET
61 G 211	A-8137	5035	7.00
61 G 212	HO-285	5158-A	5.64
63 G 976	HO-287	5144/45/46/48/49/55	7.18

MAGNAVOX

No.	Type	Orig. Mfr's Part No.	NET
63 G 472	A-8293	360593-2, 360552-1 -2/-2A, 360577, -1	7.60
63 G 473	A-8294	360606/-1	7.06
63 G 474	A-8295	360614-1, 360623/-1	7.06
61 G 253	HO-331	320055-1/61-1/-3	8.24
61 G 254	HO-332	360580-1/604-1	8.24
61 G 255	HO-333	360700-1/-2	8.24
61 G 256	HO-334	320811-1	8.24
61 G 257	HO-335	360739-1/779-1	8.24

MOTOROLA

No.	Type	Orig. Mfr's Part No.	NET
64 G 325	A-8224	24C711265/A, 24C721290	9.11
64 G 279	A-8239	24K792753, 24K701099	6.98
64 G 326	A-8225	24K712193	9.11
64 G 327	A-8226	27K21301/C, 24K721517C	9.11
63 G 971	HO-280	24K739284	8.28
63 G 972	HO-281	24K730902, 03/04	8.82
63 G 973	HO-282	24C736487, 24K738699	8.37
61 G 213	HO 293	24C736488	8.57

MUNTZ

No.	Type	Orig. Mfr's Part No.	NET
64 G 281	A-8129	TO-0024	7.17
64 G 559	A-8132	TO-0031	8.82
64 G 283	A-8240	TO-0036	7.06
63 G 436	A 8291	TO 0039	7.06
64 G 278	A-8261	C9.253/-1/-2/-E	6.63

PHILCO

No.	Type	Orig. Mfr's Part No.	NET
63 G 438	HO-277	32-8465-2, 32 8509/-2	9.41
64 G 323	A-8222	32-8533/34	7.42
64 G 321	A 8220	32-8565	8.22
63 G 437	HO-276	32-8624/-1	8.47

PHILHARMONIC

No.	Type	Orig. Mfr's Part No.	NET
64 G 573	A 8136	80-263, -265, -2	7.47

RCA

No.	Type	Orig. Mfr's Part No.	NET
64 G 783	A-8119	211T5	7.00
64 G 784	A-8127	211T1/T3	6.88
63 G 969	A-8252	225T1	6.53
63 G 441	HO-256	235T1	6.47
64 G 789	A-8235	75519, 75585, 76381	5.38
64 G 787	A-8233	76430, 76795	7.35
64 G 788	A-8234	76501	4.68
64 G 221	A-8131	74951	5.87
61 G 214	HO-289	104236, 972440-3	6.24
61 G 215	HO-290	104481, 973432 1	6.05

RCA (Cont'd)

No.	Type	Orig. Mfr's Part No.
64 G 786	A-8244	78201, 78810
63 G 442	HO-272	972914-1, 103092
61 G 258	HO-320	10389 (50-94292-1)
61 G 259	HO-321	104876 (972942-1), 106063 (972-942-2)
61 G 260	HO-322	104309 (972401-3), 106533 (973908-1)

SILVERTONE

No.	Type	Orig. Mfr's Part No.
64 G 331	A-8230	10104 07, 08/10/35
64 G 332	A-8231	10136B/37 59
63 G 969	A-8252	N24989
61 G 216	HO-274	T80-326/336
61 G 261	HO-337	T80-368/390/411

SPARTON

No.	Type	Orig. Mfr's Part No.
63 G 974	HO-281	PC-700-10/6,-12/F
61 G 262	HO-327	PC 70015
61 G 263	HO-328	PC 70019
61 G 264	HO-329	PC-70025
61 G 265	HO-330	PC-70036

SYLVANIA

No.	Type	Orig. Mfr's Part No.
64 G 328	A-8227	241-0003
64 G 329	A-8228	241-0005/-0006
64 G 330	A-8229	241-0007
63 G 443	HO-259	241-0011
61 G 258	HO-320	241-0046

TRAVLER

No.	Type	Orig. Mfr's Part No.
61 G 266	HO-323	TR-24
61 G 267	HO-324	TR-27
61 G 268	HO-325	TR-28

WESTINGHOUSE

No.	Type	Orig. Mfr's Part No.
64 G 285	A-8237	V9904-1 -2,V10213 1
64 G 286	A 8238	V-10214-1, V-9904-2, V-10204-1
64 G 284	A-8236	V-11548-1/-2/-3/-4
61 G 269	HO-339	193V004M02/3/4
61 G 270	HO-340	493V003M03

ZENITH

No.	Type	Orig. Mfr's Part No.
64 G 287	A 8267	S-15911/12,16566, S-17130/40, 17233, S-17245/265/435, S 17646/767 811, S-17927, 20908
64 G 288	A 8268	S-15015 202/709, S 15710, -16006, S-16191/204, S 17244/699/X, S-20866
64 G 289	A-8269	S-18487/537 802
64 G 290	A 8270	S 18567/990, S 19728
64 G 291	A 8271	S 19032/71
63 G 444	HO-267	S-20099
63 G 445	HO 268	S 23049
63 G 447	HO-270	S-18125
63 G 448	HO-271	S 22451, S-23438
61 G 217	A-8276	S-22154

DEFLECTION YOKES

For 70° deflection picture tubes, except §for 50°; †90°; ‡110°. All have ferrite cores and cosine windings. Molded coil forms. Av. shpg. wt., 1⅓ lbs.

No.	Type	Horizontal	Vertical	NET
64 G 538	DY-1A§	8 3 mh, 13 5 ohms	50 mh, 66 ohms	7.54
64 G 595	DY-2A	10 3 mh, 14.5 ohms	50 mh, 66 ohms	7.22
64 G 539	DY-8A	8 5 mh, 14.5 ohms	50 mh, 52 5 ohms	7.22
64 G 590	DY-9A	13 5 mh, 17.5 ohms	50 mh, 53.5 ohms	8.40
64 G 589	DY-10A	30.0 mh, 45 ohms	3 5 mh, 3 5 ohms	7.22
64 G 596	DY-11A	20 mh, 31 ohms	50 mh, 50 ohms	8.89
64 G 597	DY-12A	30 mh, 41 ohms	50 mh, 50 ohms	8.01
63 G 481	DY-13A†	12.5 mh, 15 ohms	48 mh, 52 ohms	10.17
64 G 370	DY 14A	30 mh, 45 ohms	3.5 mh, 3 5 ohms	7.59
64 G 371	DY-15A	25 mh, 35 ohms	40 mh, 50 ohms	7.88
63 G 482	DY-16A†	20 mh, 26 ohms	44 mh, 45 ohms	9.17
63 G 487	DY 21A	14.5 mh, 10 ohms	3.1 mh, 3.5 ohms	7.44
63 G 489	DY-23A†	20 mh, 27 ohms	45 mh, 43 ohms	8.53
63 G 496	DY 25A†	24 mh, 46 ohms	11 mh, 11 ohms	7.59
63 G 498	DY 27A‡	17.5 mh, 35.5 ohms	12.3 mh, 13 5 ohms	10.24
61 G 271	DY-28A	24 mh, 36 ohms	3.2 mh, 3 4 ohms	6.91
61 G 272	DY-29A	24 mh, 36 ohms	3.2 mh, 3 4 ohms	7.01
61 G 273	DY-30A	24 mh, 36 ohms	3.2 mh, 3.4 ohms	7.25
61 G 274	DY-31A†	24 mh, 44.2 ohms	42 mh, 42 ohms	8.65
61 G 275	DY-32A†	24 mh, 34 ohms	42 mh, 42 ohms	8.53
61 G 276	DY 33A†	30.5 mh, 34 ohms	43 mh, 50 ohms	6.86
61 G 277	DY-34A†	30 mh, 45 ohms	47 mh, 42 ohms	7.35
61 G 278	DY-35A†	20 mh, 28 ohms	45 mh, 45 ohms	6.89
61 G 279	DY-36A†	24 mh, 43 ohms	40 mh, 37 ohms	9.08
61 G 280	DY-37A†	20 mh, 28 ohms	45 mh, 45 ohms	8.13
61 G 281	DY-38A‡	20 mh, 38 ohms	34 4 mh, 34 ohms	8.78
61 G 282	DY 39A†	13 mh, 22 ohms	40 mh, 41 ohms	7.94
61 G 283	DY-40A‡	12 mh, 17 ohms	40 mh, 39 ohms	9.70
61 G 284	DY 41A	15 mh, 19 ohms	40 mh, 45 ohms	8.94
61 G 285	DY-42A‡	30 mh, 72 ohms	33 mh, 37 ohms	14.70
61 G 286	DY-43A†	25 mh, 41 ohms	3 4 mh, 3 2 ohms	9.12
61 G 287	DY 44A‡	20 mh, 37 ohms	32 mh, 33 ohms	13.23
61 G 288	DY-45A‡	19 mh, 37 ohms	13 mh, 18 ohms	13.23

VERTICAL DEFLECTION OUTPUT TRANSFORMERS

A wide selection of the most popular types of vertical deflection transformers for replacement as well as original part use Design provide proper impedance matching between vertical output tu vertical coils of TV deflection yoke for maximum efficiency isolation transformer type windings except †which is autoformer *Indicates copper shielding band around coil and core.

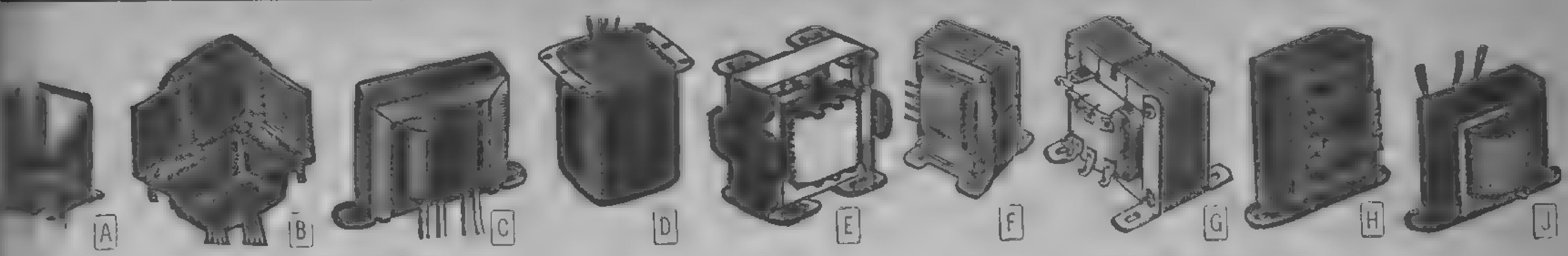
Stock No.	Mfr's Type	Pri. Ohms	Sec. Ohms	Size	Wt., Lbs.
64 G 522	A-8112	1300	10	2x3¼x1¾″	1
64 G 523	A-8113	700	12	2x3¼x1¾″	1
64 G 502	A-8115	600	7	3 1/16x2½x2½″	2½
64 G 547	A-8123†	1200	11	2x3¼x1¾″	1½
64 G 554	A-8140	400	0.3	2½x2½x3 1/16″	2½
64 G 557	A-8141†	1650	4.5	2¼x3¾x2⅛″	1½
61 G 289	A-8142	540	10 5	2⅝x3x2¼″	2½
61 G 290	A 8145	540	14	2⅝x2½x2¼″	2
61 G 291	A 8146	375	10	2x3¼x1⅞″	1½
64 G 473	A-8148†	375	6.5	2x1⅞x3¼″	1½
63 G 977	VO-103*	530	5 5	2x1½x3¼″	1½
61 G 292	VO-108	350	10.3	2x2x3¼″	1¼
61 G 293	VO-109	1150	12	2x2x3¼″	1½
61 G 294	VO-112	384	3 5	2¼x2⅛x3⅝″	1¾
61 G 295	VO-113	1435	19 7	2 5/16x1¾x2 15/16″	1¼

VERTICAL BLOCKING OSCILLATOR TRANSFORMERS

Selection of popular vertical blocking oscillator transformers for re ment television receivers, as well as original equipment use Prim. secondary ratios listed permit operation in the majority of conven vertical oscillators. Designed and built for dependable and er operation. *Indicates copper shield band around coil and core.

Stock No.	Mfr's Type	Ratio (Pri. To Sec.)	Size	Wt., Lbs.
64 G 501	A-8111	1:4 2	1½x2½x1½″	½
64 G 504	A-8121	1:4 2	1¾x2 3/16x1½″	½
64 G 543	A-8122	1:4 2	1 9/16x1 3/16x1 3/16″	½
64 G 558	A 8125	1:4.2	2 3/16x1¼x1 3/16″	½
64 G 471	A-8126*	1:1.5	1¾x1½x2″	½
61 G 218	VBO-201*	1:3.33	1 3/16x2 3/16x1¼″	½

Stancor Transformers



POWER TRANSFORMERS

Series—For 6.3 Volt Tubes. All have center-tapped 6.3 volt wind- ept PS-8415, PS-8416, PC-8414, PC-8418, PC-8419, PC-8420, 419, PM-8420 and PA-8421. *For 6AX5, 6X4, 6X5 and similar 6.3 ent rectifiers, and for selenium rectifier. All are Figure B, except is Figure A and Type PS is Figure C. §PC-8414 has an extra winding (not center tapped), rated at 3 amperes. All primary gs are for 117 volt, 60 cycle AC.

ock	Mfr's Type	Plate VCT	Plate Ma	5V @	6.3V @	Size	Wt., Lbs.	NET EACH
162	PS-8415*	125	15	....	.6A	2⅝x1⅝x2"	¾	2.32
78	PA-8421*	125	50	....	2.0A	2¼x3¾x2⅛"	1½	3.76
16	PS-8416*	250	25	....	1.0A	2 5/16x2⅞x1¾"	1	2.79
77	PC-8418*	460	50	....	2.5A	3 3/16x2⅝x2⅞"	2¾	4.70
54	PM-8401	470	40	2A	2.0A	2½x3x2⅝"	2¼	5.65
176	PC-8401	470	40	2A	2.0A	3 3/16x2⅝x2⅝"	2¼	5.42
70	PM-8402	480	55	2A	2.0A	2¾x2½x3"	2½	5.53
77	PC-8402	480	55	2A	2.0A	3 1/16x2⅝x2¾"	2½	5.38
175	PM-8419*	480	70	....	3.0A	2⅞x2½x3"	2¾	5.41
215	PC-8419*	480	70	....	3.0A	3 3/16x2⅝x2⅞"	2¾	5.41
167	PM-8420*	520	90	....	4.0A	3½x2⅞x3⅜"	3½	6.56
168	PC-8420*	520	90	....	4.0A	3½x3x3½"	3½	6.29
171	PM-8403	500	70	2A	2.5A	3⅛x2½x3"	3¼	6.23
178	PC-8403	500	70	2A	2.5A	3 3/16x2⅝x3⅛"	3¼	6.23
179	PC-8404	520	90	2A	3.0A	3⅝x3x3½"	4	6.91
160	PM-8404	520	90	2A	3.0A	2⅞x3⅜x3⅝"	4	6.91
172	PM-8405	540	120	3A	3.5A	3½x3⅛x3¾"	5	9.01
183	PC-8405	540	120	3A	3.5A	4x3¼x3½"	5	9.01
237	PM-8423	600	90	2A	3.5A	3¼x2⅞x3⅜"	3¾	8.11
155	PM-8407	650	55	2A	2.0A	2½x3x3⅛"	3¼	5.88
157	PM-8406	650	40	2A	2.0A	2½x3x2¾"	2½	5.64
217	PC-8406	650	40	2A	2.0A	3 3/16x2⅝x2¾"	2½	5.64
184	PC-8407	650	55	2A	2.0A	3 3/16x2⅝x3⅛"	3½	5.88
164	PC-8408	680	70	2A	2.5A	3⅜x3⅝x3"	4	7.35
156	PM-8408	680	70	2A	2.5A	2⅞x3⅜x3½"	4	7.35
158	PM-8409	700	90	2A	3.0A	2⅞x3⅜x3¾"	4½	7.76
185	PC-8409	700	90	2A	3.0A	3⅝x3x3⅝"	4½	7.76
159	PM-8410	720	120	3A	3.5A	3⅛x3¾x3¾"	5½	9.17
186	PC-8410	720	120	3A	3.5A	4x3¼x3¾"	5½	8.81
173	PM-8411	750	150	3A	4.5A	3⅞x3½x4⅛"	6	12.30
187	PC-8411	750	150	3A	4.5A	4 5/16x3⅝x4"	6	11.79
161	PM-8412	800	200	3A	5.0A	3¾x4½x3⅞"	8¼	12.33
163	PC-8412	800	200	3A	5.0A	4x4x4¾"	8¼	12.30
169	PC-8414§	1200	200	3A	3.0A	4¼x4¾x4"	8½	14.46

TELEVISION POWER TRANSFORMERS

er transformers for replacement use in standard television receivers gned to supply high voltage (plates), rectifier and filament voltages. indings are CT. Leads are stripped, tinned and color-coded with tandards. *With copper shorting band to reduce external mag- el. †Pri. for 117/107v. For 117 volts, 60 cycle. All are Fig. B P-8355 and P-8356 which are similar to Fig. A.

	Mfr's Type	Plate V	Plate Ma	Rect V	Rect A	FIL. V	FIL. A	Overall Size	Wt., Lbs	NET EACH
	P-5059†	675	200	5	3	6.3 CT	5	4⅛x3¾x4⅛"	9¼	13.06
	P-6315	740	275	5	3	6.3 CT	7.0	4¼x3¼x4½"	9½	13.68
	P-8159*	770	290	5	3	5/6.3, 6.3	2/8.6	5 5/16x3 13/16x4¼"	10	17.29
	P-8160	720	185	5	3	6.45	12	4¼x3¾x4½"	10	16.23
	P-8164*	600	225	5	3	6.3	9.0	4⅝x3 7/16x4½"	7½	15.88
	P-8166*	680	330	5	6	6.3/6.3/6.3	2.5/5.0/5.0	6x3 13/16x4¾"	13	19.30
	P-8167*	560	400	5	6	6.3/6.3	4.5/8.5	6x3 13/16x4¾"	13	19.73
283	P-8169*	760	220	5	3	6.3/6.3/6.3	1.2/5/7	4⅝x3¾x4½"	10½	16.77
	P-8170*	760	220	5	3	6.3/6.3/6.3	1.2/5/7	4¼x4x4¼"	10½	16.31
	P-8171*	750	225	5	3	6.3/6.3	2.0/9.0	5x3¾x4½"	10½	17.64
	P-8172	540	200	5	3	6.3	8.5	4⅜x3⅛x3¾"	7	13.85
	P-8331*	620	240	5	3	6.3/6.3	6/4.3	4½x3¾x4½"	9	14.12
	P-8333*	590	225	5	3	6.3/6.3	11.4/.9	4⅝x3¾x4½"	10	14.93
	P-8334*	550	305	5	5	6.3/6.3	8.5/1.2	5⅛x3¾x4½"	13	16.46
	P-8335*	600	325	5	6	6.3/6.3	8.8/1.5	5⅛x3¾x4½"	13	17.00
	P-8337	630	225	5	3	6.3	8.25	4½x3¾x4½"	8½	14.09
	P-8339	650	255	5	3	12.6 CT	5.25	4⅞x3¾x5"	8½	13.93
422	P-8340*	710	270	5	6	6.3/6.3/6.3	9.5/1.65/2.4	5½x3¾x4½"	12	18.40
	P-8342*	730	260	5	6	6.3/6.3	8.85/1.2	5⅜x3¾x4½"	13	17.57
426	P-8352*	580	240	5	3	12.6 CT	5.25	4⅞x3¾x4¾"	8½	13.50
272	P-8355*	570	250	5	3	6.3	9.5	3 3/16x3¾x3⅛"	6½	11.59
	P-8356*	540	260	5	3	6.3	8.8	3¼x3⅜x3⅛"	6½	10.95

INTERCOM AND TRANSCEIVER TRANSFORMERS

A-4744 is similar to Fig. C mounting type but with side shells. es A-8090 and A-8091 are similar to Fig. C but with solder lug second- nnections. Type A-3833 is Fig. C type. Type A-4749 is Fig. D. A-3817 modulation and output transformer is designed especially e in citizen's band equipment. *3 watts, †8 watts §5 watts. Type 33 is for microphone input or plate to grid. Av. shpg. wt., 1 lb.

tock No.	Mfr's Type	Application	Ohm Imp. Pri.	Ohm Imp. Sec.	Size HWD	NET EA.
G 236	A-3817	Transceiver	5000	6750,4	1 15/16x2⅜x1½"	2.94
G 030	A-4744	V.C. to grid	4	25K	1⅜x2⅜x1½"	1.98
G 489	A-8090*	Line to V.C.	45-50	3-4,6-8	1⅜x2⅜x1½"	1.73
G 490	A-8091†	Line to V.C.	45-50	3-4,6-8	1⅝x2⅞x1½"	2.06
G 031	A-3833§	Transceiver	200 & 5K	60K	1⅞x2⅞x1½"	2.81
G 148	A-4749	Tele Patch	10K	500	1 15/16x1 17/32x2¼"	4.75

FILTER CHOKES

All ratings are with maximum DC in winding. All are Fig. C mounting type, except *Fig. E, †Fig. D, §Fig. A, ‡Fig. F, ‡‡Fig. G with leads. All are rated 1500 v. rms. except **2000, ††3000, §§2500.

Stock No.	Mfr's Type	Hys.	Ma.	Ohms	Size	Wt., Lbs.	NET EACH
64 G 057	C1001††	10.5	110	225	2⅝x4x2¼"	2½	3.52
64 G 056	C1002	15.0	75	400	2¼x3¾x2¼"	1½	2.82
64 G 055	C1003	16.0	50	580	2x3¼x1¾"	1½	2.13
64 G 065	C1080	3.5	50	200	1⅝x2⅞x1½"	¾	1.62
64 G 075	C1279	8.5	50	400	1⅝x2⅞x1½"	¾	1.62
64 G 067	C1355*	8.0	75	290	2 1/16x2 5/16x1¾"	1	2.60
64 G 063	C1410§††	4.0	175	100	3 3/16x2⅝x2⅝"	2½	4.45
64 G 466	C1411§††	4.5	200	80	3⅝x3x3⅛"	3½	5.56
64 G 455	C1412§††	4.0	250	60	3⅝x3x3½"	4½	6.82
64 G 068	C1420§	16.0	80	360	3 3/16x2⅝x2⅝"	2½	4.55
64 G 465	C1421§††	7.0	140	165	3 3/16x2⅝x2⅝"	2½	4.55
64 G 058	C1515	20.0	15	900	1⅝x2⅞x1½"	1	2.10
64 G 050	C1706	4.5	50	300	1⅜x2⅜x1⅜"	¾	1.25
64 G 051	C1707	7.0	50	550	1⅜x2⅜x1⅜"	¾	1.39
64 G 052	C1708	13.0	65	500	2x3¼x1¾"	1	2.35
64 G 053	C1709	8.0	85	250	2x3¼x2"	1¾	2.35
64 G 054	C1710	7.0	150	200	2⅝x4x2¼"	2¼	3.53
64 G 069	C1721‡††	8.5	200	120	3⅞x3⅛x3"	4½	7.35
64 G 456	C1722‡††	8.0	300	80	4⅝x3¾x3½"	7½	10.82
64 G 059	C2303**	2.5	130	100	2x3¼x1¾"	1	2.20
64 G 060	C2304	2.3	150	60	2x3¼x1¾"	1	2.20
64 G 061	C2305†	5.0	100	300	2 11/16x2¾x2 3/16"	1½	3.38
64 G 064	C2308§††	8.0	300	80	4¾x4x3⅞"	7¾	10.82
64 G 457	C2309**	3.0	150	90	2¼x3¾x2¼"	1¾	2.52
64 G 505	C2325	2.0	200	60	3¾x2¼x2¼"	2	2.79
64 G 520	C2326	1.0	300	43	3¾x2¼x2¼"	1¾	2.84
64 G 073	C2327	1.5	200	85	1⅝x2⅞x1½"	¾	1.76
64 G 458	C2328	.8	375	25	2½x3¾x2"	1½	3.53
64 G 459	C2334	2.8	300	60	2⅝x2¼x4"	2½	3.46
61 G 243	C2343	.75	300	32	1⅝x2⅞x1½"	¾	1.48
61 G 244	C2344§§	1.5	10	95	1¼x2⅛x1⅛"	½	1.53
61 G 245	C2345§§	350	5	5500	2x3¼x2"	1½	3.88
61 G 246	C2346§§	35	15	1850	1⅜x2⅜x1¼"	¾	2.11
61 G 238	C2685‡‡	.035	2A	.75	2⅜x2⅝x2¾"	2	3.48
61 G 239	C2686‡‡	.025	4A	.425	3x3⅜x2⅞"	3½	5.93
61 G 240	C2687‡‡	.01	8A	.15	3¼x3¾x3 3/16"	5½	7.80
61 G 241	C2688‡‡	.01	12.5A	.11	3½x4⅛x3 1/16"	6	8.99
61 G 242	C2689‡‡	.005	22.5A	.03	3⅞x4½x4½"	12	13.18

FIXED-IMPEDANCE OUTPUT TRANSFORMERS

Transformers are Fig. C mounting type, except *Fig A. Type A3337 is similar to Fig. H, but has leads. Type A3330 has 4.5% primary tap.

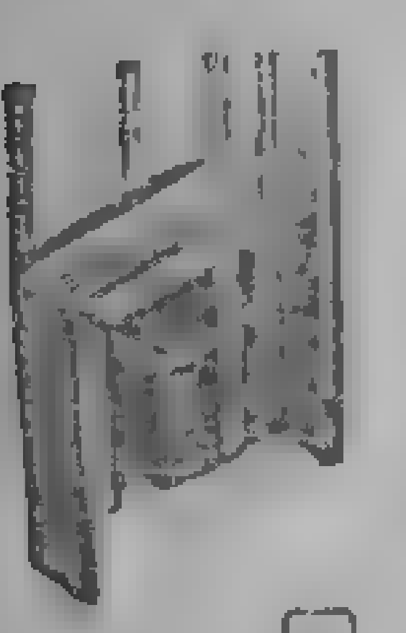
Stock No.	Mfr's Type	Primary	Sec.	Watts	Mtg. Ctrs.	Wt., Lbs.	NET EACH
64 G 013	A2312	14,000 CT	4	10	2⅜"	1	2.79
64 G 245	A2313	7,000	8	10	2 13/16"	1	2.50
64 G 033	A3304*	7, 10K CT	500/15/8/4	25	2x1 11/16"	2¼	6.30
64 G 297	A3311*	10K CT	500/15/8/4	25	2¼x2"	3½	6.77
64 G 296	A3327	25K	4	5	2"	½	1.80
64 G 244	A3328	4,000	3.5	3	1¾"	½	1.34
64 G 246	A3329	8,000	3.5	3	1¾"	½	1.34
64 G 299	A3330	2K	3.5	5	2"	½	1.94
64 G 243	A3332	2,000	3.2	3	1¾"	¼	1.35
64 G 295	A3337	5K	6.8	10	2⅜"	1	2.28
64 G 020	A3800*	5,000 CT	500/250/15/8/4	30	2¼x2"	4	6.73
64 G 021	A3801*	6,600 CT	500/250/15/8/4	35	2½x2 5/16"	4¼	8.58
64 G 298	A3831	10K CT	8/4/2	5	2⅜"	¼	2.65
64 G 015	A3857	25K CT	4	5	2"	½	2.35
64 G 001	A3876	2,000	4	5	2"	½	1.45
64 G 004	A3877	5,000	4	5	2"	½	1.45
64 G 006	A3878	7,000	4	5	2"	½	1.49
64 G 010	A3879	10,000	4	5	2"	½	1.45
64 G 138	A8094	4,000 CT	32/16/8	7½	3 1/16"	1½	3.99
64 G 519	A8114	7,600	3.2	5	2"	½	1.73

UNIVERSAL OUTPUT TRANSFORMERS

Replacement units for radio and television receivers and other general audio applications. Multi-tapped windings permit installation with various types of output tubes and circuits such as single-ended and push pull plates to voice coil or line. All are Fig. J except *Fig. H. Secondary: †500 ohms; §500, 333, 200, 125, 50 ohms. Wt., 1½ lbs.

Stock No.	Mfr's Type	Primary	Watts	Size	NET EACH
64 G 294	A3250§	5K; 10, 20K CT	(15 ma)	2x3¼x1¼"	4.11
64 G 005	A3822	7-10K	4	1⅜x2⅜x1⅜"	1.91
64 G 026	A3823	4-14K CT	8	1⅝x2⅞x1½"	3.30
64 G 242	A3824	6-10K CT	8	2x3¼x2"	3.23
64 G 002	A3825	1.5-4.5K	8	2x3¼x1⅝"	2.58
64 G 028	A3830*	3-10K CT	20	2 11/16x3 9/16x2¼"	4.41
64 G 293	A3841*†	2.5, 4, 5, 6, 7K	10	2 11/16x3 9/16x2¼"	4.90
64 G 023	A3849	1.5-10K	10	1⅝x2⅞x1½"	3.30
64 G 024	A3850*	4-14K CT	8	2x2⅝x1½"	3.25
64 G 027	A3852*	4-14K CT	18	2 5/16x2⅞x2"	3.99
64 G 025	A3856	4-14K CT	4	1⅜x2⅜x1⅜"	2.84
64 G 029	A3870	4-14K CT	18	2x3¼x2"	4.07
64 G 292	A3880	4-14K CT	15	2¼x3¾x2¼"	4.30

Stancor Transformers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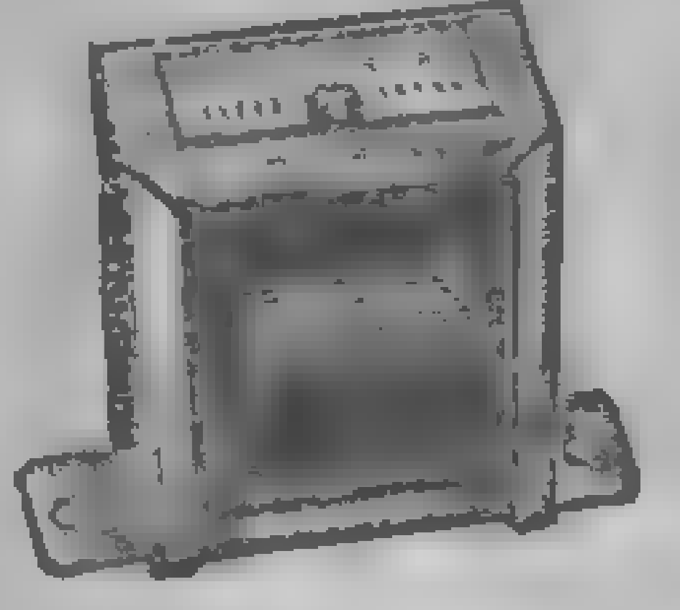
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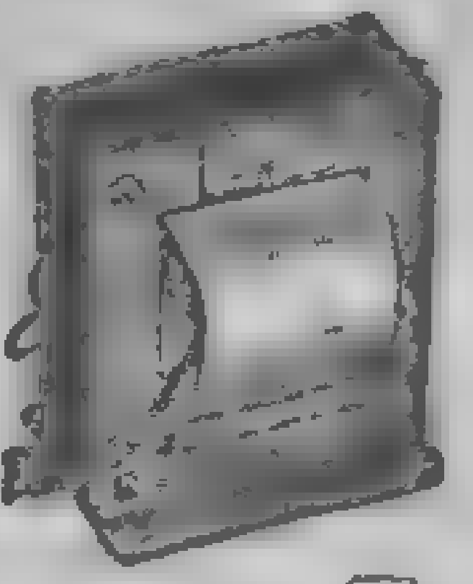
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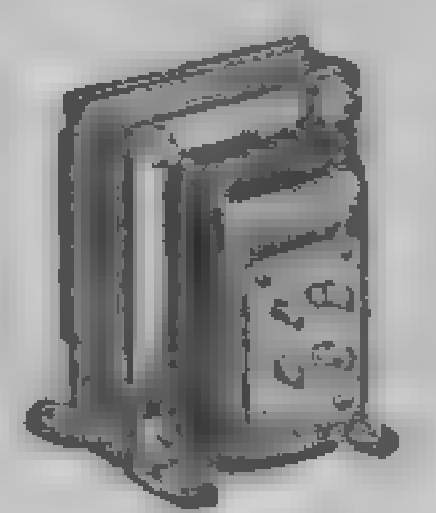
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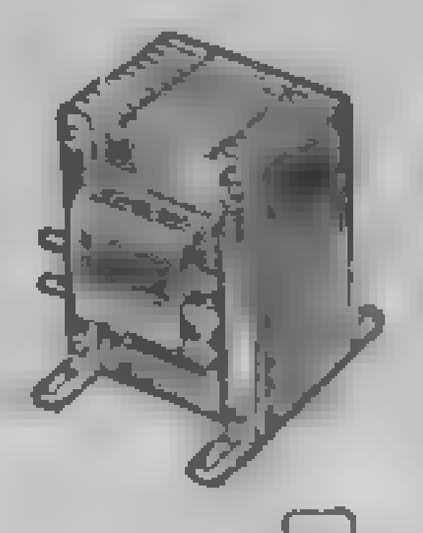
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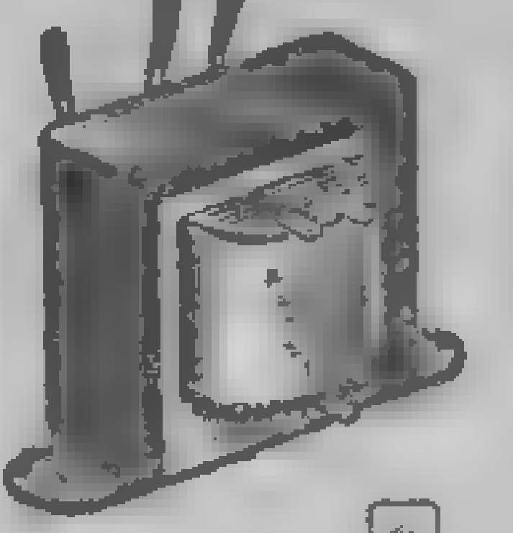
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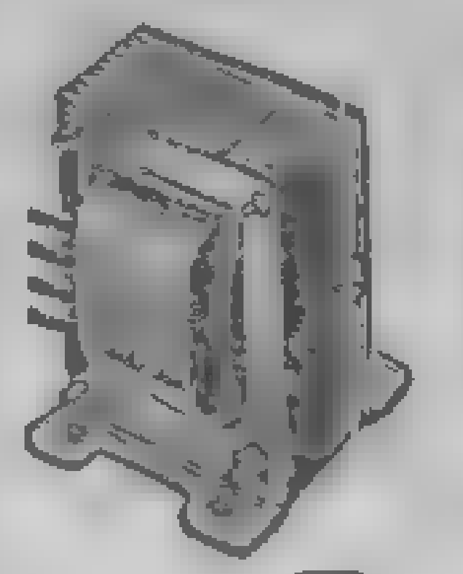
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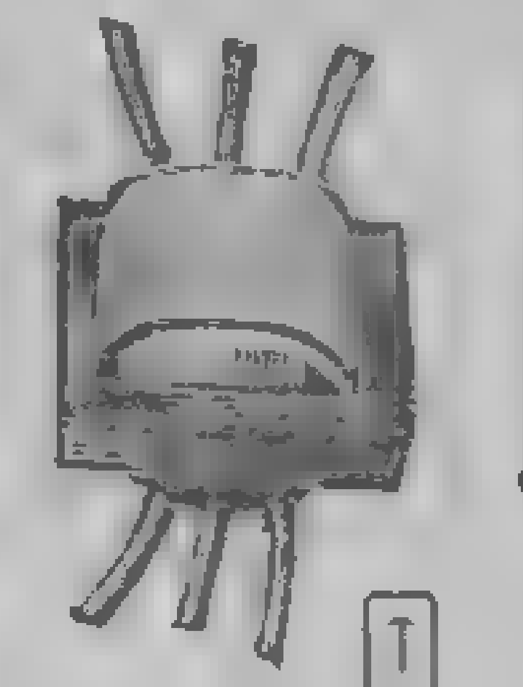
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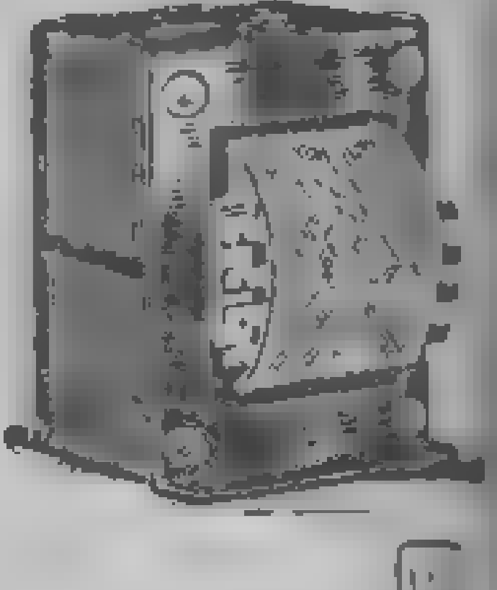
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TRANSISTOR TRANSFORMERS

*Maximum primary DC (for each half if primary has center tap). §TA-14 has two secondaries, 16 ohm series, 4 ohms parallel. †TP-1 for bridge rectifier power supplies; has 117 volt 60 cycle primary and 2 secondaries, each supplying 13 or 18 volts at 900 ma. ‡C on preceding page. #D on preceding page. ††A on preceding page. Av. shpg. wt., 3 oz., except: TA-13, 1½ lbs.; TA-14, 6¼ lbs.; TA-17, 3 lbs.; TP-1, 2¾ lbs.

INPUT TRANSFORMERS

Stock No.	Type	Fig.	Pri. Imp.	Sec. Imp.	MA*	Watts	Size	NET
63 G 952	TA-1	C‡	600 CT	10	20	.05	1 3/16x1 9/16x1 5/16"	1.89
63 G 857	TA-15	C‡	50-100	10	50	5mw	1 3/16x1 9/16x1 5/16"	1.47
63 G 860	TA-18	K	30 CT	50K	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 889	TA-47	K	1K CT	200K CT	.....	.300	1 3/16x1 5/8x3/4"	3.65
61 G 299	TA-54	K	20,000	800 CT	.....	.150	1 1/16x1 3/16x5/8"	3.65

OUTPUT TRANSFORMERS

63 G 959	TA-8	C‡	9800	15	2	.05	1 3/8x2 7/16x1 3/8"	4.24
63 G 960	TA-9	C‡	1000	4/8/16	10	.2	3/4x1 9/16x3/4"	4.86
63 G 961	TA-10	C‡	2K CT	4/8/16	.....	.2	3/4x1 9/16x3/4"	5.32
63 G 962	TA-11	C‡	48 CT	8/16	275	5	2x3 5/16x1 3/4"	3.65
63 G 963	TA-12	C‡	20 CT	8	500	10	1 3/8x1 7/16x1 1/2"	1.89
63 G 965	TA-14§	D#	24 CT	16/4CT	200	10	4 1/4x4 3/8x3 9/16"	10.06
63 G 862	TA-20	K	350 CT	4/12	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 863	TA-21	K	500 CT	4/8/16	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 865	TA-23	K	600 CT	4/8/16	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 867	TA-25	K	825 CT	4/8/16	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 868	TA-26	K	1250	4/12	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 871	TA-29	K	2500	4/16	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 875	TA-33	K	10K CT	4/8/16	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 879	TA-37	K	400 CT	11	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 881	TA-39	K	100 CT	4/8/16	.....	.300	1 3/16x1 5/8x3/4"	3.65
63 G 882	TA-40	K	160	4/8/16	.....	.300	1 3/16x1 5/8x3/4"	3.65
63 G 883	TA-41	K	400 CT	4/8/16	.....	.300	1 3/16x1 5/8x3/4"	3.65
63 G 884	TA-42	K	500 CT	4/8/16	.....	.300	1 3/16x1 5/8x3/4"	3.65
63 G 885	TA-43	K	700 CT	4/8/16	.....	.300	1 3/16x1 5/8x3/4"	3.65
63 G 886	TA-44	K	2500	4/8/16	.....	.300	1 3/16x1 5/8x3/4"	3.65
63 G 887	TA-45	K	3000	4/8/16	.....	.300	1 3/16x1 5/8x3/4"	3.65

INTERSTAGE TRANSFORMERS

63 G 953	TA-2	C‡	100 CT	10 CT	100	.25	1 1/16x2 1/8x1 3/8"	1.89
63 G 954	TA-3	C‡	100	1K CT	100	.25	1 3/8x2 7/16x1 3/8"	1.89
63 G 955	TA-4	C‡	500 CT	5K CT	12	.03	1 3/8x2 7/16x1 3/8"	2.48
63 G 861	TA-19	K	100 CT	10 CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 864	TA-22	K	500 CT	50	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 866	TA-24	K	500 CT	50K	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 869	TA-27	K	1200	20K CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 870	TA-28	K	1500	500 CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 872	TA-30	K	5K CT	7500 CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 873	TA-31	K	5K CT	10K CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 874	TA-32	K	5K CT	80K CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 876	TA-34	K	10K	200 CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 877	TA-35	K	10K	2K CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 878	TA-36	K	10K	3K CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 880	TA-38	K	500 CT	150 CT	.....	.150	2 1/32x1 3/16x5/8"	3.65
63 G 888	TA-46	K	100K	1500 CT	.....	.300	1 3/16x1 5/8x3/4"	3.65

DRIVER TRANSFORMERS

63 G 956	TA-5	C‡	1000	200 CT	10	.05	5/8x1 1/4x1/2"	4.70
63 G 957	TA-6	C‡	2000	200 CT	5	.05	5/8x1 1/4x1/2"	5.32
63 G 958	TA-7	C‡	100	100 CT	100	.5	1 5/8x1 13/16x1 3/8"	1.89
63 G 964	TA-13	D#	200 CT	400 CT	10	.6	3x2 11/16x2 5/32"	4.02
63 G 858	TA-16	C‡	20	36 CT	400	1	1 3/16x2 1/16x1 1/8"	1.70
63 G 477	TA-52	T	500 CT	500 CT	.....	.300	1 1/4x2 1/8x1"	3.65
63 G 478	TA-59	C‡	500 CT	200 CT	.....	.5	1 1/4x2 1/8x1"	2.35

MODULATION TRANSFORMER

63 G 859	TA-17	A††	8CT	7.5K/5K	120	35	3 1/8x3x2 1/2"	6.36

POWER TRANSFORMERS

63 G 479	TA-56	L	48 CT	3.2/8/16	......	10	2 5/16x2 7/8x2"	4.56
63 G 966	TP-1†	A††	....	....	......	.....	3x3x2 1/2"	4.86

MICROPHONE TRANSFORMERS

Type A4350 is for mike-to-line or line-to-line. Others for mike, pickup or line-to-grid. A4350 and A4352 are Fig. R. A4705 is Fig. C and A4351 is Fig. D, both on preceding page. *Center-tapped. †Same as primary.

Stock No.	Type	Primary Ohms	Sec. Ohms	Mtg. Ctrs.	Lbs.	NET
64 G 094	A4350	500*/333/200*/125/50	†	2 13/16"	1	4.24
64 G 097	A4351	500*/333/200*/125/50	89,000	2 3/8x1 1/2"	1½	4.54
64 G 093	A4352	500*/333/200*/125/50	89,000	2 13/16"	1	4.70
64 G 096	A4705	200/70	80,000	2"	½	2.91

CONTROL TRANSFORMERS

Fig. H on preceding page, except *Fig. W above. 2-section secondary for series or parallel operation. For 115 or 230 v., 50-60 cycle AC.

Stock No.	Mfr's Type	Secondary		Size	Mtg. Ctr.	Wt., Lbs.	NET EACH
		Parallel	Series				
63 G 276	P6375	6V@2A	12V@1A	2 3/8x2 7/8x2"	2 3/8"	¾	4.59
63 G 277	P6376	6V@4A	12V@2A	3 5/8x3 3/8x2 1/4"	2 7/8"	1½	6.23
63 G 278	P6377	12V@8A	24V@2A	3 1/8x3 5/8x2 3/8"	3 1/8"	2	7.88
63 G 279	P6378*	12V@8A	24V@4A	3 3/8x2 7/8x3"	2 3/8x2 1/4"	3½	10.58
63 G 280	P6379*	12V@16A	24V@8A	4 1/8x3 1/2x3 1/2"	2 7/8x2 3/4"	8	14.70

FILAMENT TRANSFORMERS

Single-secondary transformers. Center-tapped except Type P6469 a Type P8190. Type P8191 has 6.3 v. primary, secondary for filame isolation. Others, 117 v., 60 cycle. *Illus. on preceding page.

Stock No.	Mfr's Type	Fig.	Volts	Amps	Insul.	Mtg. Ctrs.	Wt., Lbs.	NET EAC
64 G 141	P6133	...	2.5	5.0	7500	2 13/16"	1½	3.7
64 G 301	P3060	P	2.5	10.0	10KV	2 1/4x1 7/8"	2½	6.5
64 G 262	P6467	C*	5.0	3.0	2500	2 13/16"	1½	3.1
64 G 255	P3062	P	5.0	6.0	2500	2x2"	2¼	5.0
61 G 235	P6433	M	5 CT	15	2500	2x2 1/2"	3½	8.1
61 G 234	P6432	M	5 CT	21	2500	2 1/4x2 1/2"	5¾	10.4
64 G 888	P6492	A*	5.0	30.0	2500	3x2 3/4"	7½	10.7
64 G 887	P6465	C*	6.3	.6	1500	2 1/2"	1	1.9
64 G 308	P6134	C*	6.3	1.2	3000	2 3/8"	1	2.0
64 G 584	P8190	C*	6.3	1.2	5000	2 13/16"	1	2.7
64 G 585	P8191	C*	6.3	1.2	5000	2 13/16"	1	2.
61 G 230	P6428	A*	6.3	1.75	2500	2x 15/16"	3	6.0
64 G 263	P6466	C*	6.3	3.0	2500	2 13/16"	1½	3.3
61 G 232	P6430	A*	6.3CT	3.0	2500	2x1 13/16"	2¾	5.3
64 G 309	P5014	P	6.3	3.0	2500	2x1 3/4"	2	4.5
61 G 231	P6429	A*	6.3	3.5	2500	2 1/2x2 3/16"	4¾	8.2
64 G 256	P4019	A*	6.3	4.0	2500	2x1 11/16"	2½	4.9
64 G 264	P4089	A*	6.3	6.0	2500	2 1/4x2"	3½	6.4
64 G 312	P3064	P	6.3	6.0	2500	2x2"	2½	5.3
61 G 233	P6431	A*	6.3CT	6.0	2500	2 1/2x2 3/16"	4¾	8.
64 G 313	P6308	S	6.3	10.0	2500	2 1/4x2 3/16"	3½	6.4
64 G 265	P6309	S	6.3	20.0	2500	3x2 3/8"	6¾	10.
64 G 314	P5015	P	7.5	4:0	2500	2x2 1/8"	3	4.6
64 G 257	P5016	P	10.0	4.0	2500	2 1/4x2 1/8"	3¼	5.
64 G 318	P6139	S	10.0	8.0	2500	2 1/2x2 3/8"	5	7.3
64 G 258	P4097	A*	10.0	8.0	2500	2 1/2x2 7/16"	5	7.
64 G 142	P8130	C*	12.6	2.0	1500	2 13/16"	1½	3.
64 G 143	P6469	C*	25.2	1.0	1500	2 13/16"	1½	3.2
61 G 200	P6456	C*	6.3T	6.0	2000	3 1/8"	2	3.7

AUDIO INPUT TRANSFORMERS

For matching 7000 to 15,000 ohm impedance single plate to push-p grids; except* for matching 7,000 to 20,000 ohm impedance single pl to single grid. Maximum primary DC, 10 ma. Illustrated by Fig. C preceding page. †Same illustration, except with cover over windi

Stock No.	Type	Ratio	Size	Wt., Lbs.	NE
64 G 079	A-52-C	1:2	1 3/8x2 3/8x1 3/8"	¾	2.2
64 G 090	A53*	1:3	1 3/8x2 3/8x1 1/2"	¾	1.9
64 G 081	A-53-C	1:3	1 3/8x2 3/8x1 3/8"	¾	2.3
64 G 082	A-63-C	1:3	1 5/8x2 7/8x1 1/2"	¾	2.6
63 G 281	A4779†	1:10	1 3/8x2 3/8x1 1/4"	1	3.5
63 G 282	A4778†	1:20	2 3/8x2 7/8x1 7/8"	1	4.5
63 G 283	A4780†	1:20	2x3 1/8x1 3/4"	1	3.5

DRIVER TRANSFORMERS

Single plate (10,000 ohms primary impedance) to push-pull grids. F use between first audio and push-pull output stage. 5/8x5/8" core exc for A-4752 which has 3/4x3/4" core. (Fig. C on preceding page.)

Stock No.	Mfr's Type	Pri./½ Sec. Ratio	Max. Pri. DC.	Size	Wt., Lbs.	NET EAC
64 G 076	A-4713	2:1	30 ma.	1 5/8x2 7/8x1 1/8"	1	2.0
64 G 038	A-4723	3:1	30 ma.	1 5/8x2 7/8x1 1/2"	1	2.1
64 G 039	A-4752	2/1.5/1:1	40 ma.	2x3 1/4x1 3/4"	1½	2.

SELENIUM RECTIFIER TRANSFORMERS

P For low voltage, high current applications. Use with CT or bri rectifier circuits. For 117 v., 50-60 cycle AC. With wiring chart.

Stock No.	Mfr's Type	Range of AC Volts	Max. DC. Output Load		Size	Wt., Lbs.	E
			Resistive	Capacitive			
64 G 372	RT-201	11.7 to 29.4 11.1 to 28.5	11.2v @ 2.0A 23.0v @ 1.25A	13.8v @ 2.0A 30.0v @ 1.25A	3 1/8x2 1/2x3 3/8"	2½	4
64 G 373	RT-202	12.0 to 29.[illegible] 12.0 to 29.[illegible]	11.1v @ 4.0A 24.3v @ 2.0A	14.7v @ 4.0A 33.0v @ 2.0A	3 5/8x2 7/8x3 1/2"	4	6
64 G 374	RT-204	11.7 to 29.2 11.6 to 29.2	1[illegible].0v @ 8.0A 24.0v @ 4.0A	14.5v @ 8.0A 32.4v @ 4.0A	4x3 1/4x4 1/8"	6¼	8
64 G 375	RT-206	12.0 to 29.7 12.0 to 29.7	11.5v @ 12.0A 24.0v @ 6.0A	14.4v @ 12.0A 32.0v @ 6.0A	4 1/4x3 7/16x5 1/8"	9¼	11
64 G 376	RT-208	12.1 to 29.2 12.1 to 29.2	11.4v @ 15.0A 23.7v @ 8.0A	14.8v @ 15.0A 32.5v @ 15.0A	4 3/4x3 3/4x5 1/4"	12½	14
64 GU 378	RT-2012	21.1 to 29.0 12.0 to 29.0	11.4v @ 22.5A 23.5v @ 12.0A	14.3v @ 22.5A 33.0v @ 12.0A	5 3/8x4 1/8x6 3/8"	21	22

POLY-PEDANCE MODULATION TRANSFORMERS

N Match Class "B" modulators to Class "C" load impedances in a teur and commercial transmitters. Multi-tapped primary and ondary windings match load impedances from 2000 to 20,000 oh

Stock No.	Mfr's Type	Max. DC Output Load		Watts	Size	Wt., Lbs.	NE E
		Primary	Secondary				
64 G 478	A-3893	180 ma.	180 ma.	60	4x3 1/4x4 1/8"	7	1
64 G 488	A-3894	225 ma.	225 ma.	125	4 3/4x4x4 5/8"	10	1

TUBE CHECKER TRANSFORMER

R **Type P-1834-3.** Multiple-secondary transformer. Pri.: 125/115 v., 60 cycles. Secondary output volts: 1.1/1.4/1.5/2.0/2.5/3.0, 4.0/5.0/6.3/7.0/7.5/12/20/25/30/35/50/70/85/110/117. Mtg Ctrs. Size, 2 5/8x4x2 1/2". Shpg. wt., 2½ lbs.
64 G 139. NET..9.

Stancor, Standard, Acrosound, Dynaco, Acme

STANCOR TRANSFORMERS

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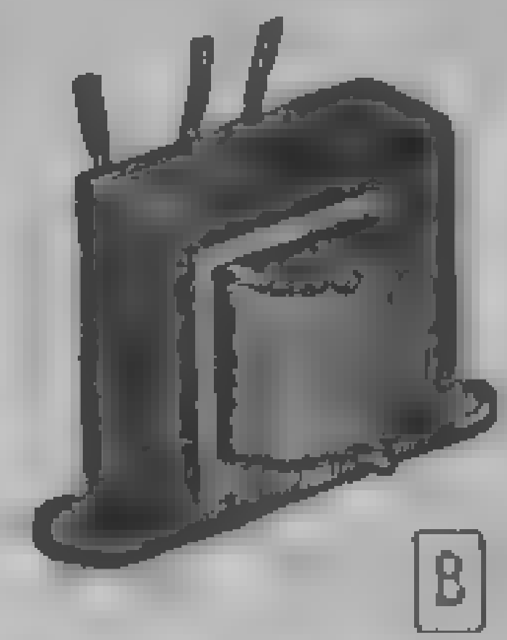
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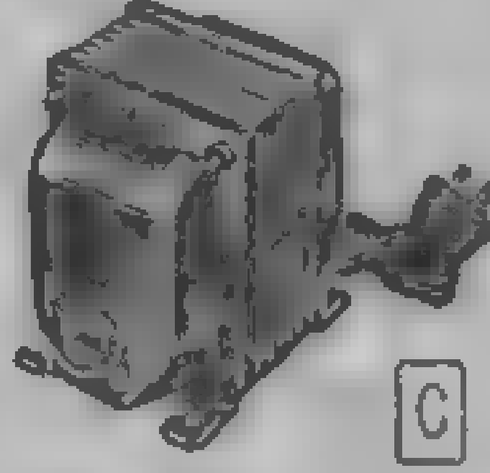
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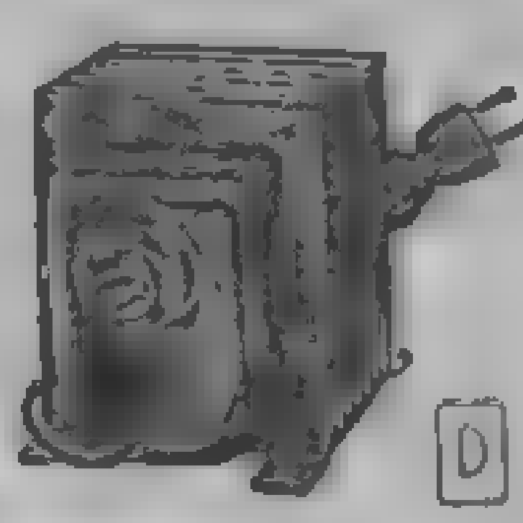
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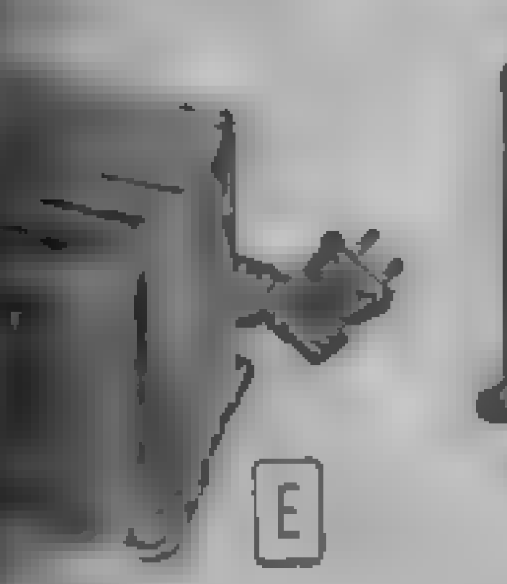
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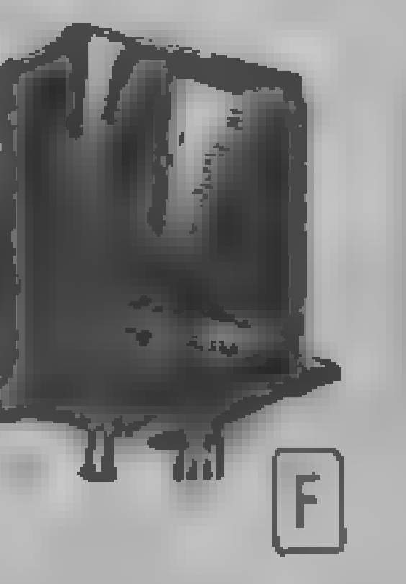
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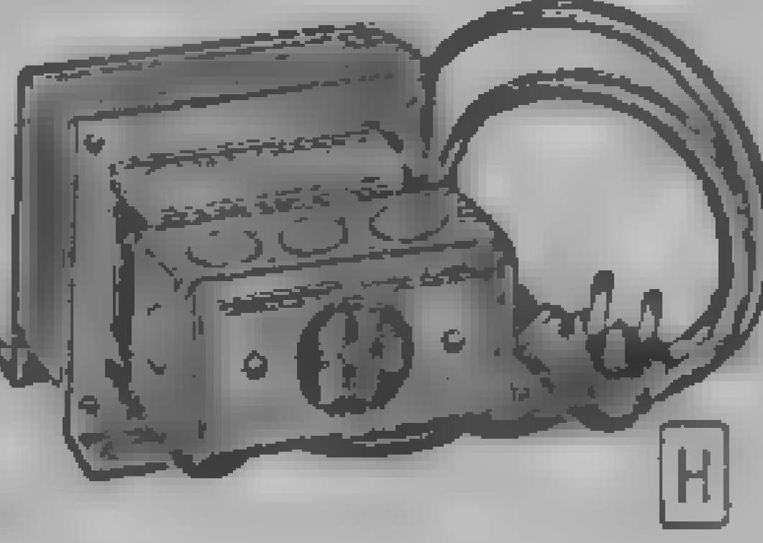

H

3837 is autotransformer; operates one or more speakers in *Are EIA 70.7 volt types; used when various power levels for eaker in a system are needed. †Power steps in watts.

	Mfr's Type	Fig.	Primary Imp.	Secondary Imp.	Watts	Mtg. Ctrs.	Wt., Lbs.	NET EACH
37	A3818	A	1500/1000/500	15/8/4	25	3⅛"	2½	4.82
38	A3837	A	500/1000 1500/2000 2500/3000	.06 to 8, .12 to 16 .18 to 24, .24 to 32 .30 to 40, .36 to 48	15	2⅜"	1¾	3.93
98	A3883	A	500	15/8/6/4	25	2⅜"	1¼	3.38
95	A7947	B	2000/1500/ 1000/500	6-8/3.2	8	2⅜"	¾	2.87
96	A7949	A	2000/1500/ 1000/500	6-8/3.2	12	2⅜"	1¼	3.37
96	A8080*	B	5/4/3/2/1†	8/16	5	2"	½	2.85
97	A8081*	A	10/9/8/7/6†	8/16	10	2"	¾	3.10
98	A8082*	A	15/14/13/12/ 11†	8/16	15	2⅜"	1¼	3.59
01	A8095	B	5/2.5/1.25 .62/.31†	4/8	5	2"	½	2.64
02	A8096	A	8/4/2/1/0.5†	4/8/16	8	2"	¾	3.53
03	A8097	A	16/8/4/2 1/0.5†	4/8/16	16	2¹³⁄₁₆"	1½	4.23
89	A8101	B	500	3.2/6-8	5	2"	½	1.73
91	A8102*	A	8/4/2/1/.5†	4/8/16	8	2"	¾	3.43
92	A8103*	A	16/8/4/2/ 1/.5†	4/8/16	16	2¹³⁄₁₆"	1½	4.85
9	A8104	A	3000/2000/ 1500/1000/500	16/8/4	10	2⅜"	1½	3.99
89	A8105*	B	5/2.5/1.25/ .62/.31†	4/8	5	2"	½	2.78
90	A8106	A	8/4/2/1†	4/8/16	8	2"	¾	2.94
91	A8107	A	16/8/4/2/1†	4/8/16	16	2¹³⁄₁₆"	1¾	4.64

HIGH-FIDELITY OUTPUT TRANSFORMERS

quency response of 20-20,000 cycles at 25 watts, ±1 db. Maximum ng: 50 watts. Sizes: 4⅙x3⅙x4⅙". Shpg. wt., 7 lbs.

	Mfr's Type	Pri. Imp. (P-P)	Sec. Imp.	Max. Pri. DC Per Half	NET EACH
53	A-8053	5000	8, 16	150 ma	13.36
70	A-8056	6600	8, 16	125 ma	13.36
54	A-8054	9000	8, 16	100 ma	13.36
74	A-8072	7600	4, 8, 16	100 ma	16.27

ISOLATION TRANSFORMERS

r isolating transformerless (AC-DC type) radios and TV sets from er line. *Primary is tapped for 105, 115 and 125 volts; 115-volt ary with standard outlet. †Has 115-volt primary and tapped ary with 3 standard outlets for 105, 115 and 125 volts; includes electrostatic shield grounded to core. §115-volt primary and t secondary; standard outlet. All have line cord and plug.

ck	Mfr's Type	Watts	Size	Fig.	Wt., Lbs.	NET EACH
449	P-6410§	50	3⁹⁄₁₆x2¹⁵⁄₁₆x3⅛"	C	4	7.69
443	P-6160*	100	4¾x4x3⅝"	D	7	16.17
475	P-6371§	175	5⁵⁄₁₆x4⁹⁄₁₆x5¼"	G	9	18.95
444	P-6415†	350	5⅝x4½x5¾"	E	17	23.05
U 448	P-6298*	500	7⅝x6⅛x7⅝"	D	28	42.27

AIR CONDITIONER AUTOTRANSFORMERS

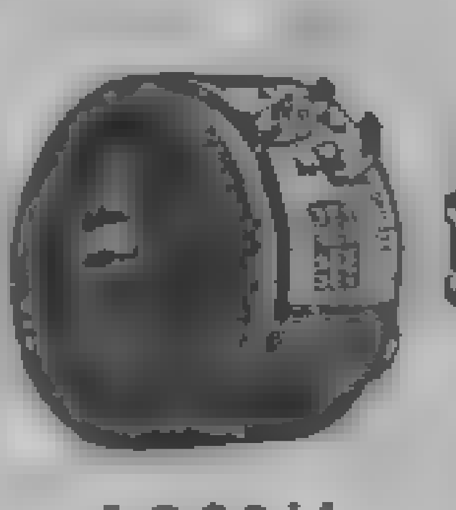
For use with home air conditioners. Convert 208-volt unit to 30-volt line. Converting a 230-volt unit to 208-volt line is by a simple change inside the outlet box. Supplied with line cord, ard 250-volt polarized plug and receptacle.

ock No.	Mfr's Type	Rating HP and Tons	Size	Wt., Lbs.	NET EACH
967	PSU-2000	½ to 1-hp (½ to 1 ton)	3½x6½x3¾"	9	16.39
968	PSU-3000	1 to 2-hp (1 to 2 tons)	4x6x4½"	10	19.68

NEW OSCILLOSCOPE TRANSFORMER

P8178. Designed especially for use in oscilloscopes, ode ray tube applications, and other types of test ment. Primary, 117 volts, 60 cycles. Plate, 1800 volts t 2 ma. Rectifier filament, 2.5 volts at 1.8 amps. Fila- 1, 6.3 volts at 0.6 amps; tapped at 2.5 volts, 2.1 amps. all size. 3⁵⁄₃₂x3¾x3¹³⁄₁₆". 4-hole mounting; mtg. centers, 2⁷⁄₁₆". Shpg. wt., 5¾ lbs.
G 274. NET..................................14.35

STANDARD ELECTRIC AUTOTRANSFORMERS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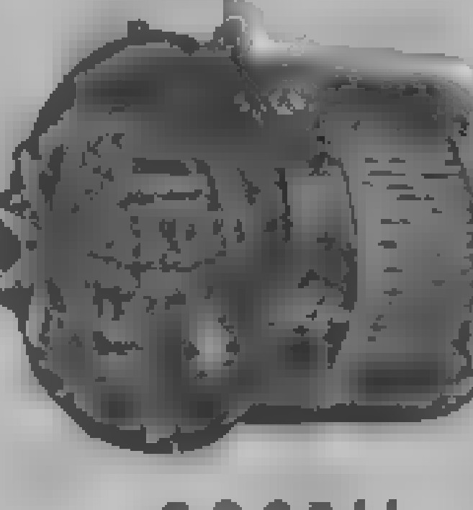
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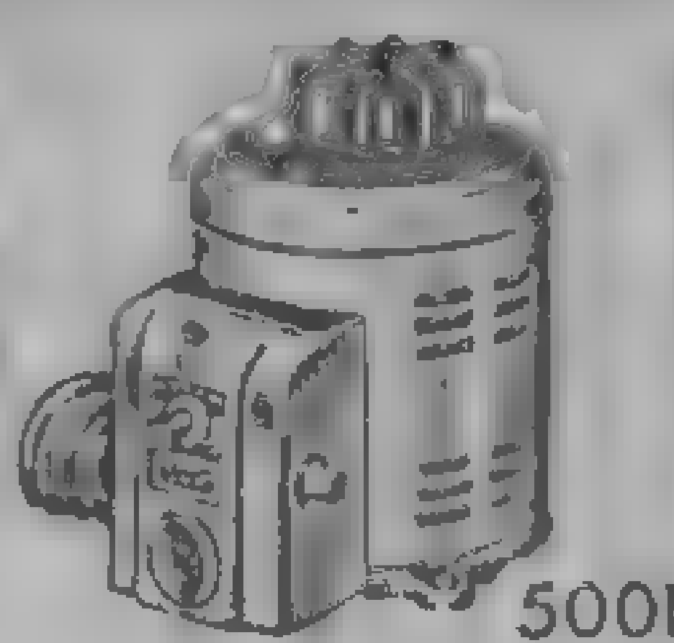
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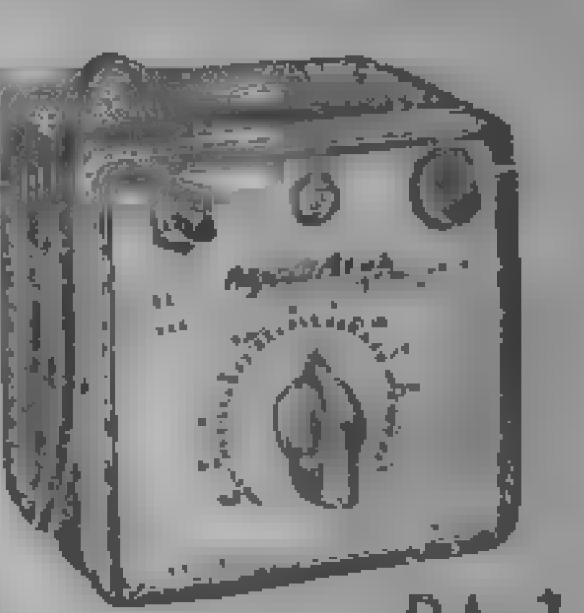
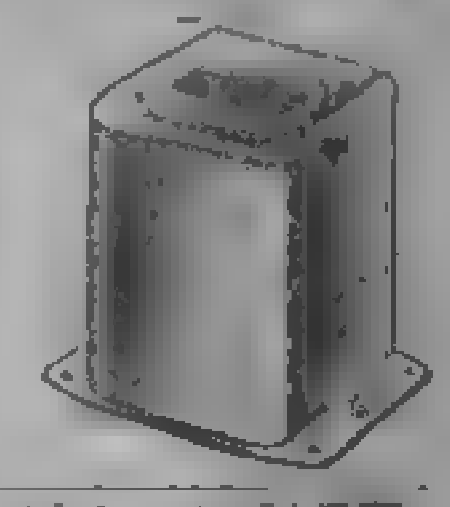

PA-1

For laboratory and industrial applications. Ideal for use in laboratories and school classrooms; for light-dimming applications in homes and institutions, TV rooms, sick rooms; for small motor speed control, model railroading and hobby work. It is also used as the variable AC voltage control for equipment such as mixers, agitators, centrifuges, etc. Types 100BU, 300BU and 500BU are for back-of-panel mounting; Type 100BU mounts on panels up to ¼" thick; Types 300BU and 500BU mount on panels up to ½" thick. PA-1 and PA-3 are housed in metal cases ready for bench use; Type 500B has brackets for table top mounting. Types PA-1, PA-3 and 500B supplied with pilot light, switch, fuse, cord, plug and receptacle. All are for 110-120 v., 50-60 cycle AC. All except BU types in gray wrinkle finish metal cases.

Stock No.	Mfr's Type	Output			Size	Wt., Lbs.	NET EACH
		Volts	Amps	KVA			
62 G 583	100BU	0-132	1.25	.165	2²³⁄₃₂x2¹³⁄₁₆"	2	8.50
62 G 584	PA-1	0-132	1.25	.165	3⅞x3⅞x3½"	6	13.50
62 G 585	PA-3	0-135	3	.400	6½x6⅛x5½"	10	18.75
62 G 580	300BU	0-135	3.0	.400	3¹¹⁄₁₆x3¹¹⁄₁₆"	6	12.50
62 G 581	500B	0-135	7.5	1.0	6½x4⅝"	10	23.00
62 G 582	500BU	0-135	7.5	1.0	5x4⅝"	10	18.00

ACROSOUND HI-FI OUTPUT TRANSFORMERS



High-fidelity output transformer for Ultra-Linear Acrosound and Williamson-type amplifier circuits. Frequency response ±1 db, 10-100,000 cps. Permissible feedback 30 db. 4-8-16 secondary impedance except *also with 125 and 500 ohms. 10" color-coded leads brought out through case bottom. Seamless steel case in gray finish with base flange; §with four #8 mounting lugs; †case not illustrated.

Stock No.	Mfr's Type	Pri. Ohms	Watts	Size	Lbs.	NET
63 G 993	TO-300	6600	40	4¼x3⅝x3¼"	7	24.75
63 G 995	TO-305*	6600	40	4¼x3⅝x3¼"	8	30.75
63 G 994	TO-310	8000	20	4¼x3⅝x3¼"	6	18.75
63 G 996	TO-315*	8000	20	4¼x3⅝x3¼"	7	24.75
63 G 990	TO-320	3500	20	4¼x3⅝x3¼"	6	18.75
63 G 997	TO-330†§	3800	100	5¼x4x4⅝"	14	39.75
63 G 991	TO-340§	5000	100	4x4⅝x5⅝"	14	39.75

TP-520 POWER TRANSFORMER

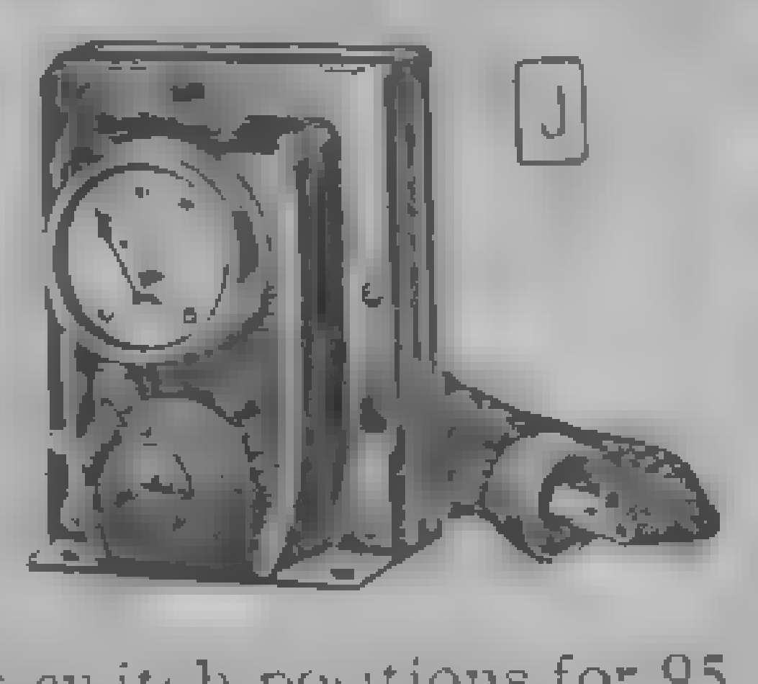
For high-fidelity amplifiers using 6Y6's, 6V6's, EL-84's. Delivers 285-0-285 v. at 175 ma., 5 v. at 2 amps., and 6.3 v. at 5 amps. Gray case, 4x3¼x3½". 10" wire leads. For 110-120 v., 50-60 cycle AC. 6 lbs.
63 G 992. NET..................................9.75

DYNACO HI-FI OUTPUT TRANSFORMERS

Selection of high-fidelity audio output transformers for the discriminating amplifier builder. Provide outstanding audio reproduction even at high power levels. Feature exclusive "para-coupled" windings—a special design that provides highly accurate balancing of coils and tight coupling between sections. Reserve of power handling capacity is provided for undistorted output. Balancing of output tubes is virtually eliminated. Sealed in steel cans. Have 12" color coded leads. A-440 has taps for either screen or cathode circuits; all others have screen taps on primary. 8 and 16 ohm output except *4, 8, 16 ohm; †4, 8, 16 ohm and 70 v.

Stock No.	Mfr's Type	Pri. Ohms	Watts		Size (HWD)	Wt., Lbs.	NET
			30-15,000 cps	20-20,000 cps			
61 G 981	A-410	8000	30	15	3¾x3x2⅞"	5	14.65
61 G 982	A-420	6600	60	30	4½x3½x3¼"	7	19.55
61 G 983	A-430	4300	120	60	5x4⅝x4"	14	29.35
61 G 984	A-431*	4300	120	60	5x4⅝x4"	14	34.25
61 G 985	A-431-70†	4300	120	60	5x4⅝x4"	14	39.15
61 GU 986	A-440	4300	240	120	6x4¾x5⅞"	24	39.15
61 GU 987	A-450	2200	240	120	6x4¾x5⅞"	23	39.15

ACME VARIABLE-VOLTAGE TRANSFORMERS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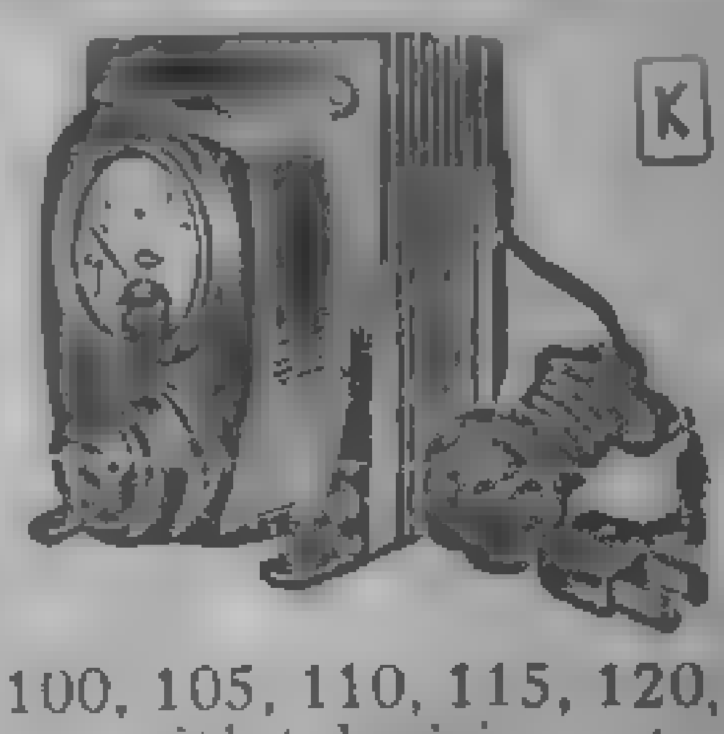
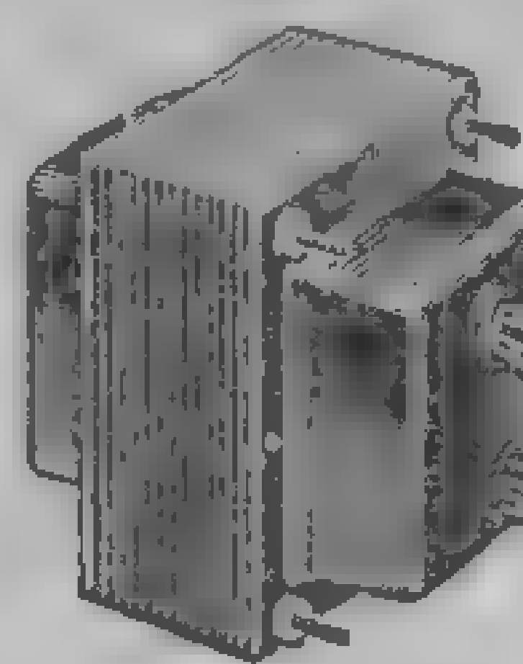

K

Highly efficient, constant-duty voltage regulators. Used as step-up or step-down transformers to correct for either low or high line voltage. Easily adjusted by manually turning 7-position rotary switch until built-in voltmeter reads 115 volts output. Type T8394M has input switch positions for 95, 100, 105, 110, 115, 120, 125 volts, at 50 60 cycles. Especially designed for use with television sets. Type T10306 is for 65, 75, 90, 100, 115, 130 and 145 volts. Features simple, "plug-in" installation (built-in AC receptacle and 8 ft. line cord). Ideal for localities with fluctuating voltage supplies, to assure correct performance of electrical appliances. Also for the radio serviceman for over-voltage testing—speeds location of intermittent troubles.

Stock No.	Type	Watts	Fig.	Size	Lbs.	NET EA.
62 G 514	T8394M	300	J	4¾x4x5"	9	11.55
62 G 501	T10306	150	K	4⅝x3⅞x5¾"	7	15.75

Knight Transformers

A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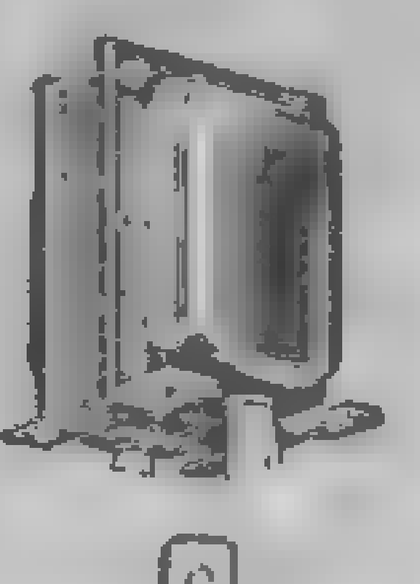
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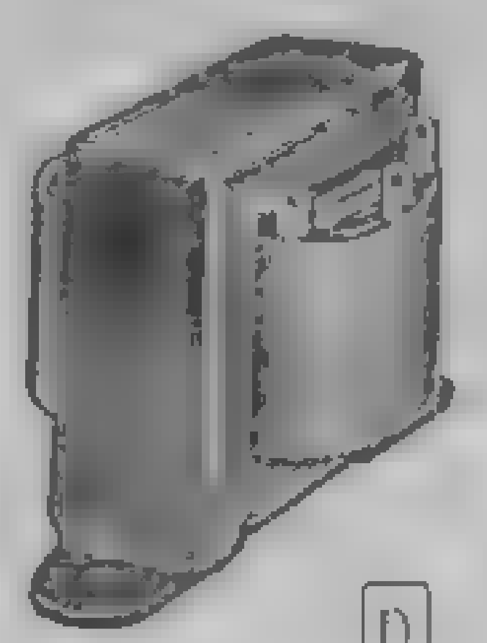
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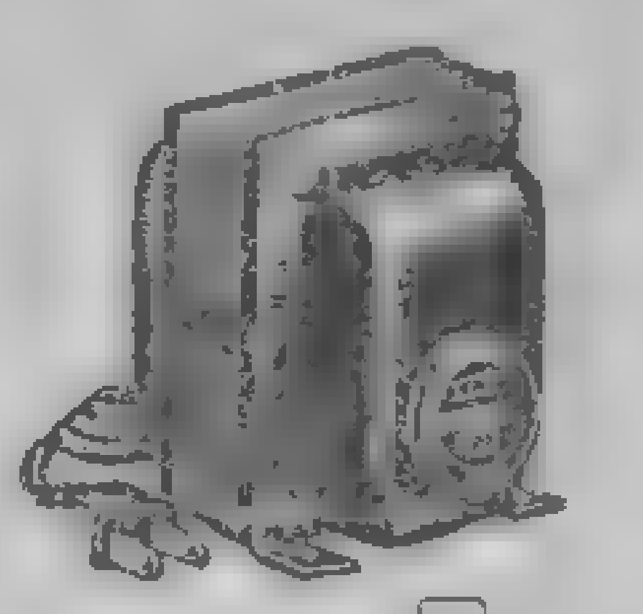
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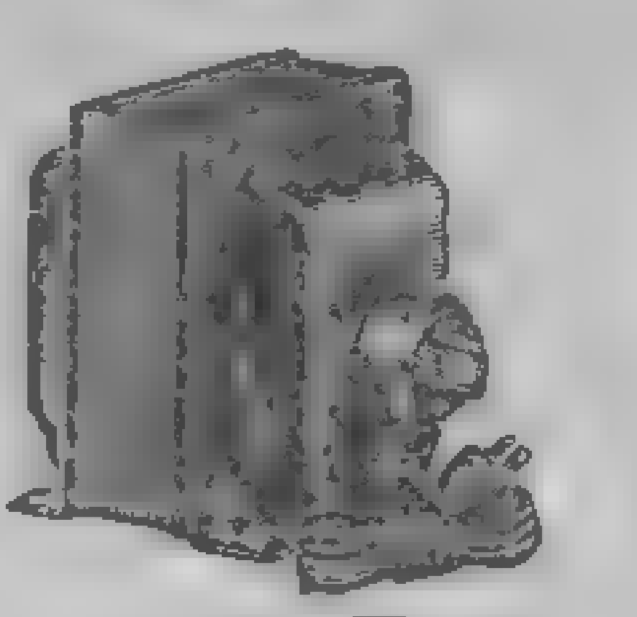
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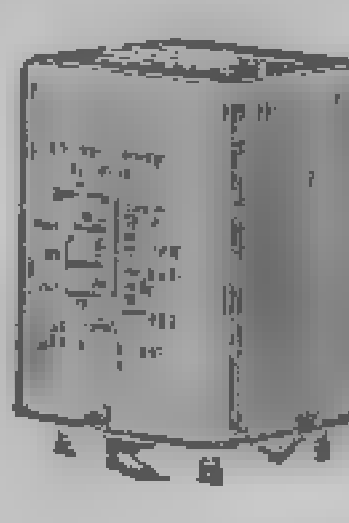
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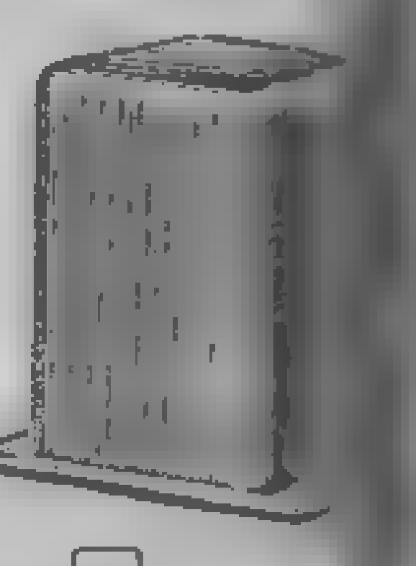
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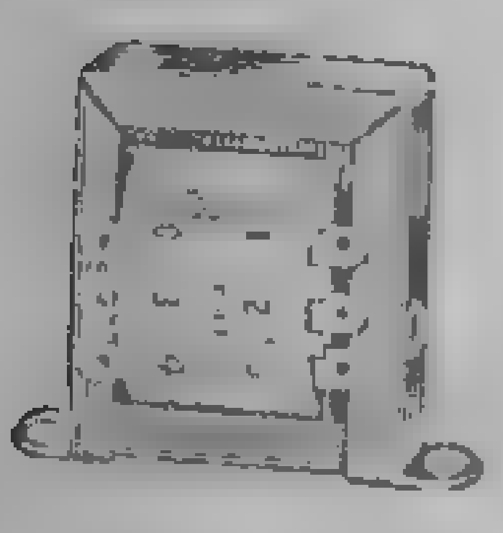
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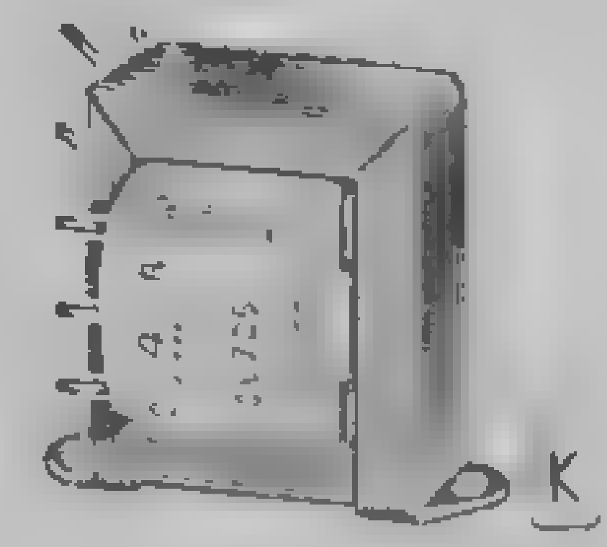
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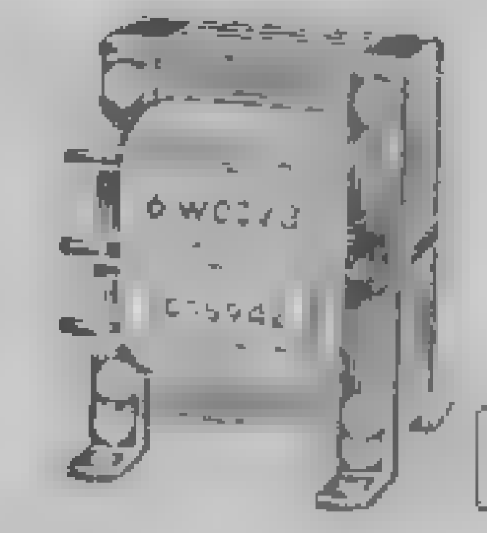

L

An excellent selection of economy-priced, high-quality Knight transfor Constructed of quality material and carefully assembled to fully meet Al rigid standards for performance and dependability of operation. Sele includes standard, universal and high fidelity audio output units; power filament transformers, filter chokes and line transformers. Recommende replacement applications and installation in new equipment. A fine sele in a low-cost line of transformers for use by radio-TV servicemen, Amat experimenters, students and industrial users.

STANDARD OUTPUT TRANSFORMERS

A For coupling plate of output tube to the speaker voice coil. Designed for class A amplifiers. Secondary impedance, 3.2 ohms, except *3.5 and †4 ohms. Shpg. wt., ¾ lb.

Stock No.	Primary Imp.	Primary Ma	Audio Watts	Size	NET EACH
62 G 064	5000	40	3	1¼x2⅛x1⅜″	1.07
62 G 063	2500	50	3	1¼x2⅛x1⅜″	1.07
62 G 093	8000	20	3	1¼x2⅛x1⅜″	1.00
62 G 065	2000	50	5	1⅜x2⅜x1⅜″	1.00
61 G 400	4000*	10	3	1¼x2⅛x1″	1.00
61 G 401	2000	50	3	1¼x2⅛x1¼″	1.02
61 G 402	2000†	60	5	1⅜x2⅜x1⅜″	1.07
61 G 403	5000†	40	5	1⅜x2⅜x1⅜″	1.07

AUDIO TRANSFORMERS

A Provide ratios of 1:3. Cores are ½x½″ Maximum primary DC, 10 ma. *For 7000-15,000 ohm plate impedances; †7000 20,000 Wt., ½ lb.

Stock No.	Description	Mtg. Ctrs.	NET EACH
61 G 415	*Single plate to push pull grid	2″	1.74
62 G 062	†Single plate to single grid	2″	1.47

FILAMENT TRANSFORMERS

A For a wide variety of applications Primaries, 117 v., 50 60 cycle AC. All are center-tapped, except †. *107 v. tap on primary. §Fig L.

Stock No.	V	Amps	Insul., RMS V	Size	Wt., Lbs.	NET EACH
62 G 028	5.0	6.0	2500	2⅜x3⅝x2¼″	1¾	3.03
61 G 416	6.3	0.6	1500	1⅜x2⅜x1⅝″	½	1.43
62 G 031	6.3	3.0	2500	2x3¼x2⅜″	1¾	2.46
61 G 417	§6.3	6.0	2500	3x2½x2¼″	2½	3.92
61 G 418	§*6.3	10.0	2500	3⅜x2 13/16x2⅞″	3¼	4.78
61 G 419	6.3	1.2	3000	1⅝x2 13/16x1⅞″	¾	1.51
62 G 030	6.3	1.0	1500	1⅝x2 13/16x1¾″	1¼	1.50
61 G 420	12.6	2.0	1500	2x3¼x2¼″	1½	2.49
61 G 421	†25.2	1.0	1500	2x3¼x2⅛″	1½	2.36

FILTER CHOKES

A Excellent for receivers, low power transmitters, etc. 1500 v. RMS insulation, except *3000 v. †Fig. L.

Stock No.	Hys.	Ma	Ohms	Mtg. Ctrs.	Wt., Lbs.	NET EACH
61 G 405	0.8	375	25	3⅛″	1½″	2.49
61 G 406	1.5	200	60	2⅜″	1″	1.30
61 G 407	3.5	50	200	2⅜″	¾″	1.18
62 G 135	5.5	50	330	2″	½″	.93
61 G 408	7.0	50	550	2″	½″	1.03
61 G 409	8.5*†	200	140	2⅛x2¼″	4″	5.40
62 G 136	8.5	50	400	2⅜″	1″	.98
62 G 137	16.0	50	550	2 13/16″	1½″	1.57
62 G 138	15.0	75	400	3⅛″	2″	2.09
62 G 139	10.5	110	220	3 5/16″	2½″	2.49

POWER TRANSFORMERS

A complete selection of highly efficient power supply transformers recommended for radio set replacement use, kit building, etc. Fully shielded; heavy-duty 5″ flexible coded leads. All plate windings center-tapped, except *half-wave type; for 6AX5, 6X4, 6X5 and similar 6.3 v. filament rectifiers and for selenium rectifier. All have CT 6.3 v. winding except†. All have 110-120 volt, 50-60 cycle primaries.

Stock No.	Fig.	Plate VCT	Plate Ma	5 V at	6.3 V at	Mtg. Centers	Wt., Lbs.	NET EACH
61 G 410	K	125*	15	....	0.6A†	2″	½	1.72
61 G 411	A	125*	50	....	2.0A†	3⅛″	1½	2.78
62 G 008	K	250	25	....	1.0A†	2⅜″	1	2.05
62 G 034	B	480	40	2A	2.0A	2x2½″	3	4.00
61 G 427	C	480	40	2A	2.0A	2x1 11/16″	2¾	4.00
61 G 412	C	520	90	2A	3.0A	2¼x2¼″	4	5.10
61 G 444	B	520	90	2A	3.0A	2 13/16x2¼″	4	5.10
61 G 413	C	650	40	2A	2.0A	2x1¾″	2½	4.16
62 G 041	B	650	40	2A	2.0A	2x2¼″	2½	4.16
62 G 042	B	650	70	3A	3.5A	2x2½″	4¼	4.34
61 G 428	C	650	70	3A	3.5A	2x2¾″	4¼	4.34
62 G 043	B	700	90	3A	3.5A	2¼x2 13/16″	4¼	5.75
61 G 429	C	700	90	3A	3.5A	2¼x2⅜″	4¼	5.75
62 G 044	B	700	120	3A	4.7A	2½x3⅛″	5¾	6.76
61 G 430	C	700	120	3A	4.7A	2½x2 11/16″	5¾	6.76
62 G 045	B	750	150	3A	5.0A	2½x3⅛″	6½	8.72
61 G 431	C	750	150	3A	5.0A	2½x3 1/16″	6½	8.72
62 G 033	B	800	200	3A	5.0A	3x3¾″	8	9.06
61 G 414	C	800	200	3A	5.0A	3x2 13/16″	8	9.06

70.7 AND 25-VOLT LINE-TO-VOICE-COIL TRANSFORM

Secondaries: 4, 8, 16 ohms, except *3.2-4, 6-8 ohms; †4-8 ohms. A 70.7 volt except § which are 25 volt. All are Fig. D except ‡ whic Fig. J. **Indicates extended frequency response.

Stock No.	Watt Taps	Watts	Mtg. Ctrs.	Wt., Lbs.	N E
61 G 436	2, 1, .5	†§2 Max.	1¾″	¼	
61 G 440	2, 1, .5	†2 Max.	1¾″	¼	
62 G 081	5, 2.5, 1.25, .62, .31	*5 Max.	2″	¾	
61 G 437	5, 2.5, 1.25, .625, .31	†§5 Max.	2⅜″	¾	
61 G 441	5, 2.5, 1.25, .625, .31	**5 Max.	2⅜″	¾	2
61 G 422	8, 4, 2, 1, 0.5	‡8 Max.	2″	¾	2
62 G 077	10, 5, 2.5, 1.25, .62	10 Max.	2⅜″	¾	2
61 G 438	10, 5, 2.5, 1.25, .625	§10 Max.	3⅛″	1¾	
62 G 078	18, 9, 4.5, 2.25, 1.12, .56	‡18 Max.	2⅜″	1¾	
61 G 439	18, 9, 4.5, 2.25, 1.12	§18 Max.	3 9/16″	2½	3
62 G 079	24, 12, 6, 3, 1.5, .75	24 Max	3⅛″	1¾	

STANDARD LINE-TO-VOICE-COIL TRANSFORMERS

D 500 ohm primary except *2000 1500 1000/500. †Fig. J.

Stock No.	Sec. Imp., Ohms	Audio Watts	Mounting Centers	Wt., Lbs.	N E
61 G 442	4-8	*4	2″	½	1.
61 G 423	6-8/3.2	5	2″	½	1.
61 G 425	6-8/3.2	*8	2⅜″	¾	2.
61 G 443	4-8	*12	2 3/16″	1¾	2
61 G 424	15 8 6 4	†25	2⅜″	1¾	2

UNIVERSAL OUTPUTS

D CT primary, except *single ended output 6 taps on sec Match single or push pull tubes to speaker voice coil †Fig .

Stock No.	Impedances	Watts	Mtg. Ctrs.	Wt., Lbs.
62 G 023	Pri., 2000-14,000 ohms. Sec., VC	4	2″	½
62 G 021	Pri., 2000 14,000 ohms Sec. VC	8	2¾″	¾
62 G 022	†Pri., 2000 14,000 ohms. Sec. VC	18	2⅜″	1¼
61 G 404	*Pri., 7000-10,000 ohms. Sec. VC	4	2″	½

230-TO-115 VOLT AUTOTRANSFORMERS

E Well-built step-down transformers for reducing 220-250 volts, cycles AC to 110-125 volts. For operating tape recorders, radic plifiers, household appliances, etc. Shielded construction. Smooth enamel finish. With 8-ft. cord and plug. Female outlet on case.

Stock No.	Watts	Size	Wt., Lbs.	NET E
62 G 510	80	3⅝x3x3¼″	3¼	5.
62 G 511	150	4x3⅜x3⅝″	4¾	7.
62 G 512	250	4⅝x3⅞x4¼″	7¾	9.
62 G 513	500	4⅝x3⅞x4¾″	11	13.
61 G 434	750	5½x4⅝x5″	13¾	16
61 G 432	1000	5½x4⅝x5¼″	14¾	20.
61 G 435	1500	6x4½x5⅝″	20	24.
61 G 433	2000	6x4½x6⅜″	25	27.

VARIABLE-VOLTAGE AND ISOLATION TRANSFORM

E **Isolation Transformers.** Reduce shock hazard by isolatin units, or equipment under test, from line. For 115 volts, 50-60 AC. With 6-ft. cord, plug and output receptacle.

Stock No.	Watts	Size H.W.D.	Wt., Lbs.	NET E
61 G 426	50	3⅝x3x3⅜″	3½	5.
62 G 086	100	4⅜x3⅝x4″	7	10.
62 G 087	250	4⅝x3⅞x4⅝″	12½	17.

F **Variable Voltage and Isolation Transformer.** Rated 15 Delivers 115 v. from 90 250 v., 50-60 cycle AC input. With 6 and plug. Mtg. centers, 3x3⅛″. Shpg. wt., 9 lbs.
62 G 080. NET......

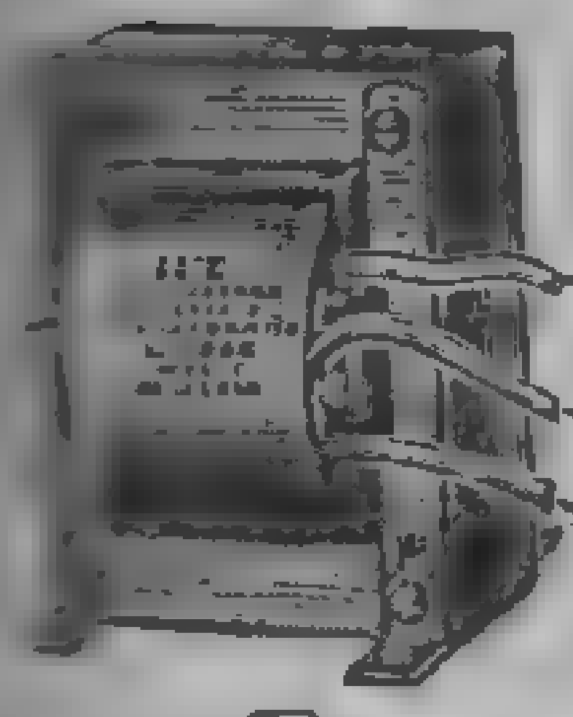
HIGH-FIDELITY PUSH-PULL OUTPUT TRANSFORME

For use in high-fidelity audio amplifiers. All have screen taps on winding for ultra-linear type operation and have a frequency r flat from 15 to 35,000 cps, except *which do not have screen t have a frequency response flat from 20 to 20,000 cps. All have 4, ohm secondaries †Maximum DC in each half of primary.

Stock No.	Fig.	Watts	P-P Imp.	†Ma	Size	Wt., Lbs.
62 G 082	G	12	8000	60	3¾x3x3¼″	2½
62 G 018	G	*18	8000	65	3¾x3x3¼″	3½
62 G 083	H	24	6600	75	4¼x3⅝x4½″	6½
62 G 019	H	30	6600	100	4¼x3⅝x4½″	7
62 G 024	C	12	8000	60	3⅛x2⅝x2¾″	2½
62 G 058	A	*18	8000	65	2⅝x4x2½″	2¼
62 G 054	C	24	6600	75	3⅞x3¼x3⅞″	6
62 G 059	C	30	6600	100	3⅞x3¼x4″	6

Triad and Superior Transformers

TRIAD TRANSFORMERS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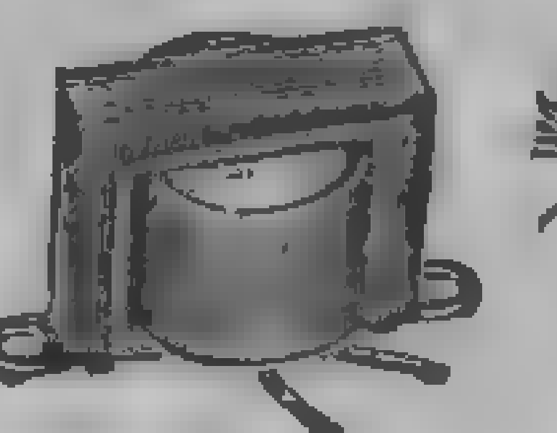
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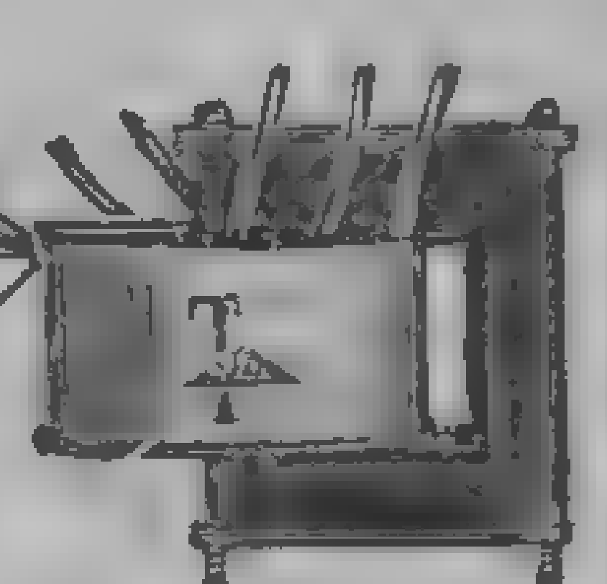
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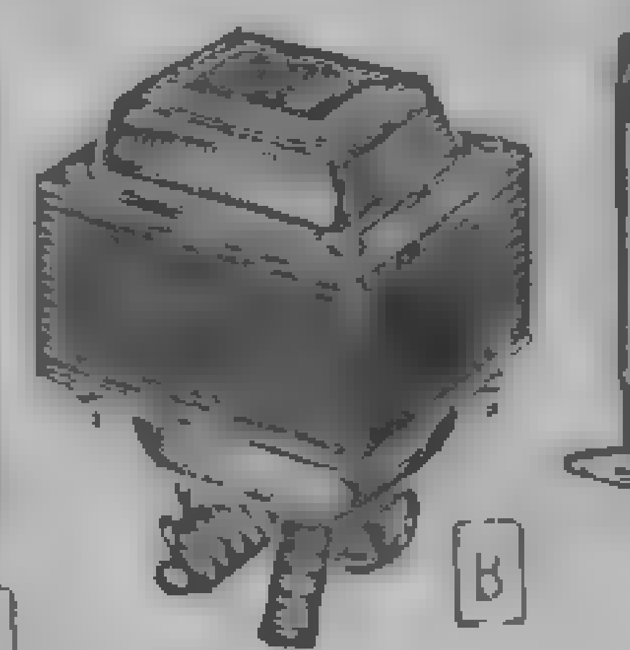
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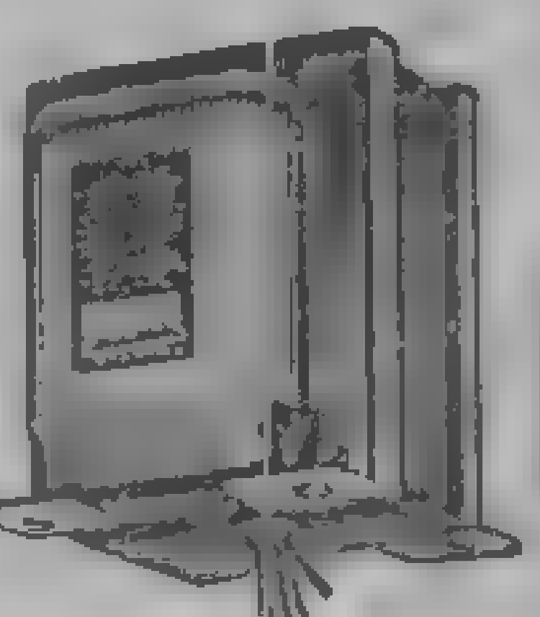
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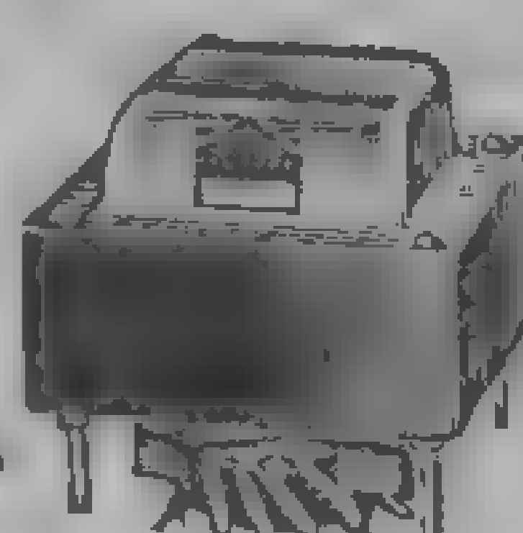
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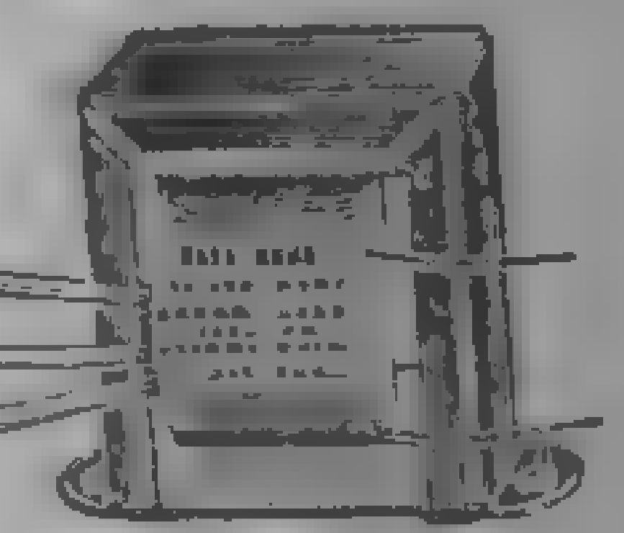
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FILAMENT TRANSFORMERS

eration from 115 v., 60 cycle AC.

No.	Type	Fig.	Sec. V.	Sec. Amp.	Ins. V.	Size (HWD)	Lbs.	NET
931	F-1X	X	2.5CT	3	1500	1 11/16x2 13/16x1⅞"	¾	2.34
932	F-3X	X	2.5CT	10	3000	2¼x3 13/16x2¼"	1¾	3.84
933	F-5U	U	2.5CT	10	7500	3x2½x2⅜"	2	5.64
934	F-6X	X	2.5CT	6	2500	1 15/16x3¼x2"	1¼	3.18
935	F-7X	X	5CT	3	1500	1 15/16x3¼x2"	1¼	3.48
936	F-8X	X	5CT	6	1500	2¼x3 13/16x2¼"	1¾	4.02
953	F-13X	X	6.3	.6	1500	1⅜x2¾x1⅜"	½	2.10
954	F-14X	X	6.3CT	1.2	1500	1 11/16x2 13/16x1⅞"	¾	2.22
955	F-16X	X	6.3CT	3	1500	1 15/16x3¼x2"	1¼	3.33
956	F-18A	A	6.3CT	6	1500	3 3/16x2⅝x2⅝"	2½	6.00
957	F-21A	A	6.3CT	10	1500	3 9/16x3x3¼"	3½	6.96
958	F-22A	A	6.3CT	20	2000	4x3¼x4 3/16"	7	10.20
959	F-25X	X	12.6CT	1.5	1500	1 15/16x3¼x2"	1¼	3.57
937	F-26X	X	12.6CT	2.5	1500	2 9/32x3 11/16x2⅝"	2¼	4.17
974	F-40X	X	24CT	1	1500	1 15/16x3¼x2"	1¼	3.39
938	F-41X	X	25.2CT	2.2	1500	2⅝x4 1/16x2½"	2¼	5.04
935	F-23U	U	10CT	7	1500	3⅜x2 13/16x3⅜"	4	7.05

DRIVER, INTERSTAGE, AND INPUT TRANSFORMERS

00 cps except *30-15,000; †70-7000; §50-10,000. ‡Spade-lug mtg. etter in Type No. identifies illustration. ♯Ohms, except as indicated.

	Mfr's Type	Application	♯Primary	Turns Ratio	Mtg. Ctrs.	Wt. Lbs	NET EACH
[illegible]	A-1X	line/SB mike to grid	100	31.4:1	1¾"	¼	1.98
[illegible]	A-3X	line/DB mike to grid	400 CT	15:8:1	1¾"	¼	2.16
[illegible]	A-4X	line to grid	500/200/ 67.5 CT	12:1	1¾"	¼	2.22
[illegible]	A-5X	SB mike-p.p. grids	100	84:1	2⅜"	½	2.97
[illegible]	A-6X	speaker v.c. to grid	8/3.2	79:1	1¾"	¼	2.22
[illegible]	A-7J‡	speaker v.c. to grid	3.2	124:1	1 3/16"	⅛	5.28
[illegible]	A-9J*	line/mike to grid	600/250/50	12:1	⅜"	¼	9.72
[illegible]	A-21X	SBmike/plate to grid	100 & 10,000		1¾"	¼	2.31
[illegible]	A-31X	plate to s/p p. grids	10,000	1:3	2"	½	2.25
[illegible]	A-33X†	plate to s/p p. grids	10,000	1:3	2 13/16"	1	3.06
[illegible]	A-81X	driver (30, 1H4)	15 ma. in Pri.	2.66:1, ½ sec.	1¾"	¼	2.13
[illegible]	A-83X†	driver (6F6, 42, 45)	40 ma. in Pri	1.33:1, ½ sec.	2⅜"	½	2.58
[illegible]	A-85X§	driver (6F6, 42, 45)	40 ma. in Pri.	2.66:1, ½ sec.	2 13/16"	1	3.00
[illegible]	A-89A§	p.p. plates to grids	100 ma. each side	3.1/1.8:1, ½ sc.	2x1⅞"	2¾	6.81

MODULATION TRANSFORMERS

No.	Type	Fig	Primary	Secondary	Watts	Size	Lbs.	NET
949	TY-66A	A	6 CT (5A)	3K, 4K, 6K	40	3⅞x3 9/32x3⅛"	4¼	9.09
950	TY-67A	A	6 CT (5A)	16, 8, 4	40	3⅞x3 9/32x3⅛"	4¼	9.33
938	M-1X	X	10,000 CT	5K, 8K, 10K	50	1 3/16x2⅛x1¼"	¾	2.82
939	M-3X	X	10,000 CT	3K, 5K, 8K	20	2¼x3 13/16x2⅝"	1½	4.59
952	M-4Z	Z	5,000 (Autof'r)	6.75K, 4	10	1 15/16x2⅜x1¼"	¾	3.00

POWER TRANSFORMERS

Last letter in Type indicates fig. above. *CT. For 115 v., 60 cycle AC.

Stock No.	Mfr's Type	Plate		Filaments				Mtg. Ctrs.	Wt Lbs	NET EACH
		Volts	Ma	Volts	Amps	Volts	Amps			
61 G 901	R-2C	135	15	......	......	6.3	.9	1¼"	1	3.99
64 G 936	R-3A	500*	20	......	......	6.3*	2	1¾x1¾"	1¾	5.58
64 G 976	R-4A	500*	40	......	......	6.3*	2	1 13/16x1⅞"	1¾	5.43
64 G 977	R-5A	600*	65	......	......	6.3*	2.7	2x1⅞"	2¼	6.00
61 G 900	R-6A	480*	50	5	2	6.3*	2	2x1⅞"	2¼	6.15
64 G 978	R-7A	600*	50	5	2	6.3*	2	2x1⅞"	2¾	6.48
61 G 902	R-8A	500*	75	5	2	6.3*	2.5	2x2⅜"	3	6.87
64 G 979	R-9A	600*	75	5	2	6.3*	3	2¼x2⅛"	3½	7.50
61 G 903	R-10A	525*	90	5	2	6.3*	5	2¼x2½"	4½	8.25
64 G 986	R-11A	700*	90	5	3	6.3*	3.5	2¼x2⅞"	4¼	8.49
61 G 904	R-12A	550*	110	5	2	6.3*	5	2½x2¼"	4½	8.73
64 G 987	R-14A	700*	125	5	3	6.3*	4.5	2½x2¾"	6	9.81
61 G 905	R-16A	700*	160	5	3	6.3*	5	2½x3¼"	7	11.16
61 G 906	R-18A	750*	175	5	3	6.3*	8	2¾x3¼"	8½	12.30
61 G 907	R-20A	700*	200	5	3	6.3*	8	2¾x3"	8½	13.20
61 G 908	R-21A	800*	200	5	3	6.3*	6	2¾x3¾"	9¼	13.68
61 G 909	R-29A	230*	40	...	......	6.3	1.5	1¾x1⅝"	1¾	5.34
61 G 910	R-30X	135	50	...	...	6.3	1.5	3⅛"	1½	4.35
61 G 911	R-54X	115	15	...	...	6.3	.6	2⅜"	1	3.57
61 G 912	R-71A	900*	250	5*	4	6.3*/6.3	2/4	3x3⅞"	12	16.74
61 G 914	R-73B	135	200	......	......	6.3*	5.5	2 13/16x2¼"	2¼	7.74
61 G 915	R-56A	130	20	0/15	.6/.6	22.5/30	.6/.6	1¾x2"	2	6.39
61 G 916	R-68A	800*	30	5	2	6.3/6.3	1.2/1.2	2x2⅜"	3	8.82
61 G 917	R-41C	880*	125	5	3	6.3	.6	3 7/16x2¼"	7½	16.62
61 G 918	R-43C	1250 1600	5 3	2.5/2.5 5/5/ 2.5/2.5	1.75/1.75 1/3/ 1/3	6.3/6.3	1/3	2½x2"	3½	9.87

TRANSISTOR POWER TRANSFORMERS

*Rectifier output. Primaries for 12 v. DC systems. Av. shpg. wt., 8 oz.

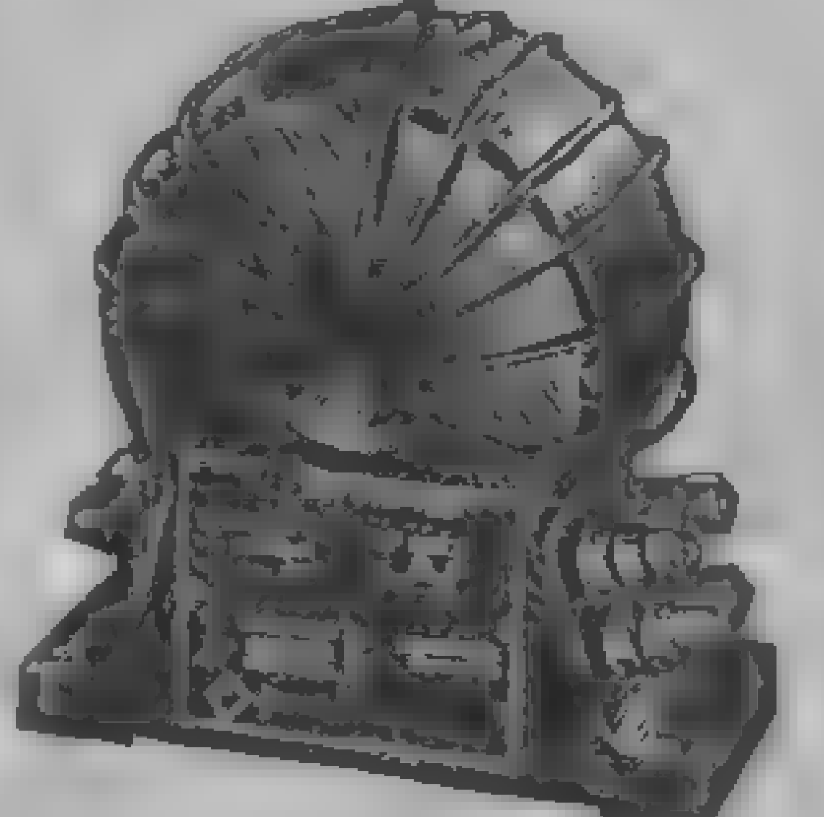
Stock No.	Type	Fig.	*DCV	Ma.	Size	NET
61 G 944	TY-68S	S	250	65	1¾x1¾x1 11/32"	6.18
61 G 945	TY-69S	S	300	100	1⅞x2⅜x1⅞"	8.01
61 G 946	TY-70S	S	325	150	2x2⅜x2 7/16"	8.07
61 G 947	TY-71S	S	375	200	2x2⅜x2 7/16"	9.18
61 G 948	TY-74S	S	600	200	2x4⅛x3"	9.99

HIGH-LEVEL OUTPUT TRANSFORMERS

Frequency response ±3 db, 20 20,000 cps. Secondaries 4, 8, 16 ohms. *except 8, 16, 32 ohms.

No.	Type	Fig.	Pri. Imp.	Watts	Size	Lbs.	NET
61 G 939	S-34X*	X	4000CT	7.5	2 9/32x3 11/16x2⅝"	1½	4.95
64 G 833	S-31A	A	8000CT	15	3⅛x2⅝x3⅜"	3½	8.58
61 G 940	S-142A	A	8000CT	15	3⅛x2⅝x3⅝"	3½	12.84
64 G 834	S-35A	A	5000CT	20	3⅛x2⅝x3⅝"	4	9.30

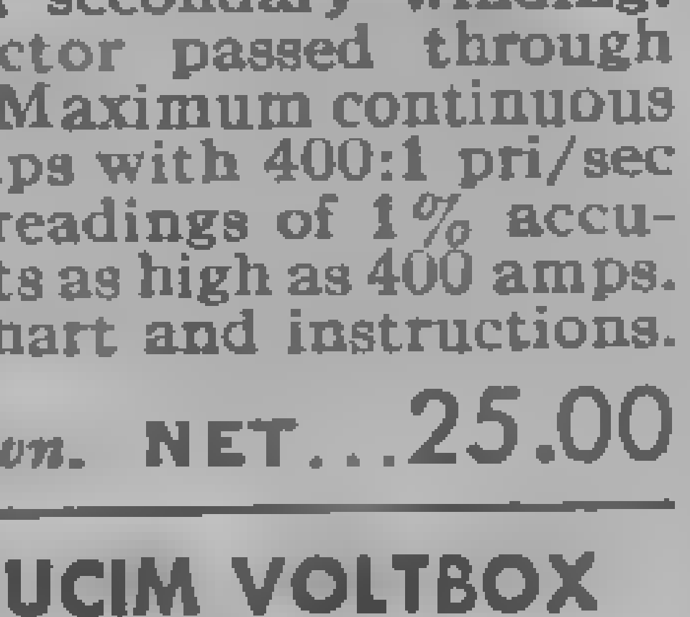
SUPERIOR "FLEXIFORMER"



Type TP150. Current transformer and multiple source of AC voltages in one versatile unit! For labs, classrooms, etc. Consists of a packaged transformer primary with plastic case molded over toroidal coil. User winds secondary to suit. Output, 150 VA max. Input is for 110-120 v., 50-60 cycle AC. When used as current transformer, unit serves as a secondary winding. Current carrying conductor passed through center serves as primary. Maximum continuous primary current, 400 amps with 400:1 pri/sec ratio. Permits ammeter readings of 1% accuracy at 60 cycles of currents as high as 400 amps. Supplied with reference chart and instructions. Shpg. wt., 5½ lbs.

62 G 599. *Only $2 Down.* **NET...25.00**

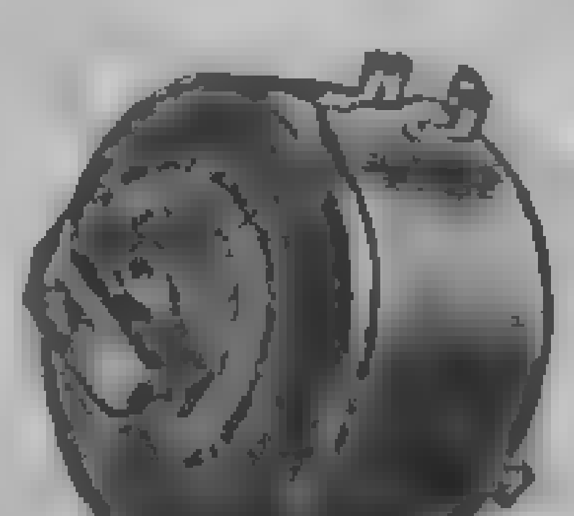
SUPERIOR MODEL UCIM VOLTBOX

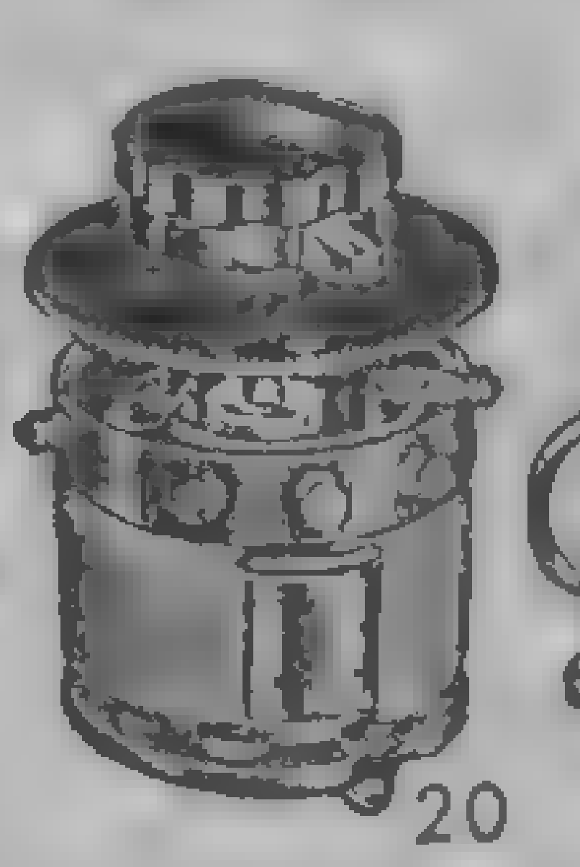


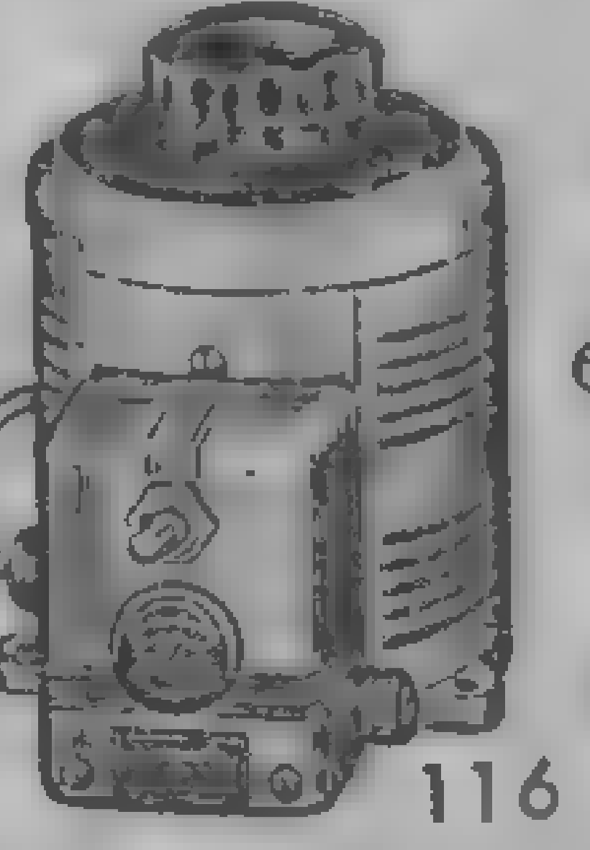
Provides AC source for variable AC voltage testing. Has variable voltage transformer, voltmeter, fuse, line switch, 2 five-way binding posts and 3 output receptacles. Rated at 5 amp. Input 120 v. 60 cycle AC. Output 0-140 volts. Size (HWD): 3x8½". Shpg. wt., 17 lbs.

62 GX 533. *Only $5 Down.* **NET.....65.00**

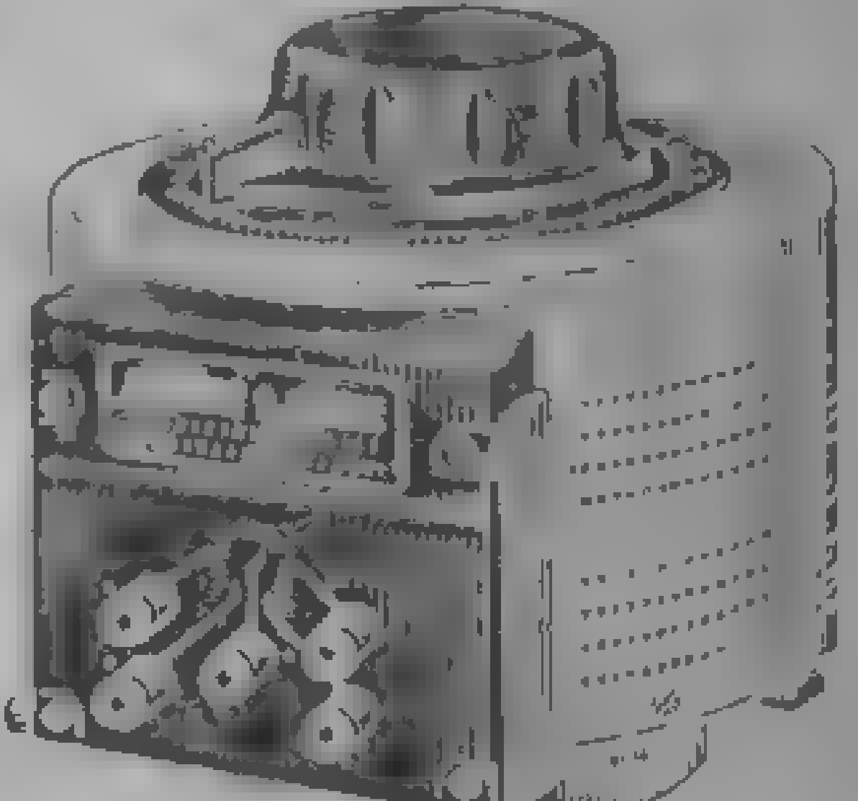
SUPERIOR VARIABLE TRANSFORMERS


10B

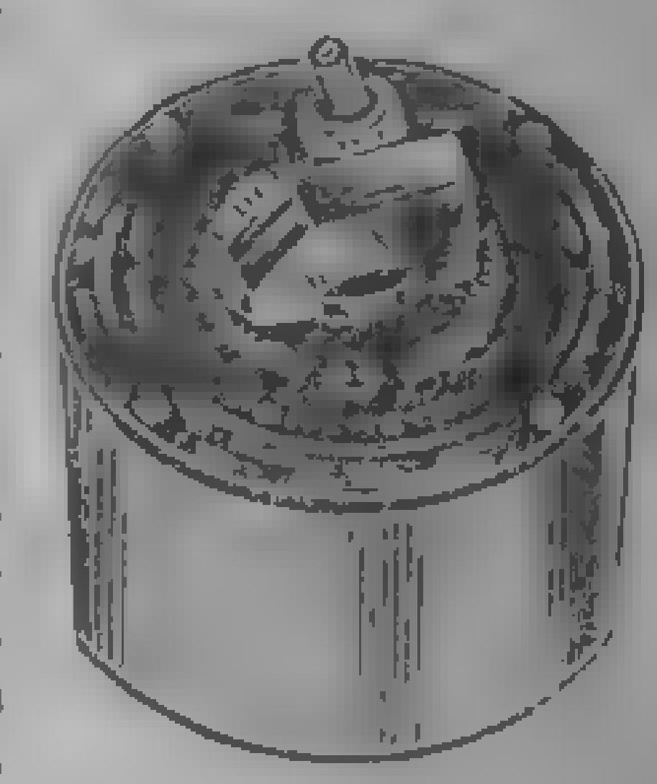

20


116

116U


136

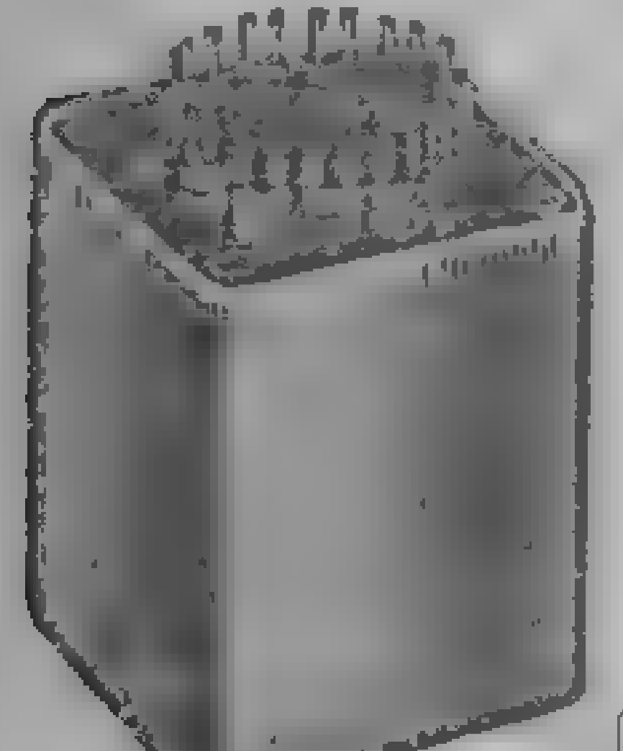
Powerstat variable autotransformers of toroidal core design with movable brush tap which rotates to deliver a continuously adjustable output voltage from AC power lines. Quality voltage controls that feature excellent regulation, conservative ratings, zero waveform distortion, rugged construction, and smooth control. Deliver adjustable output voltage from AC line—output variable from zero to above input line voltage. Negligible voltage change from no load to full load. Maximum current ratings apply over full range of output voltage. Types 10B, 20, and 116U have an "L" terminal which allows connecting in the field to limit output voltage to applied voltage. Mountings: P indicates panel; U indicates general utility. Type 136 is for bench or wall mounting; has terminals for both input and output. Rated for 50° C. temperature rise under full load. All for 110-120 v. AC inputs. Frequency range is 50-60 cycles, except *60 cycles only. Sizes shown on types 10B, 20, and 116U are distance back of panel and diameter; for types 116, 136, and 2PF10, sizes are overall height and diameter. Types 116 and 2PF10 have on-off switch, line cord and plug, fuse and output receptacle.

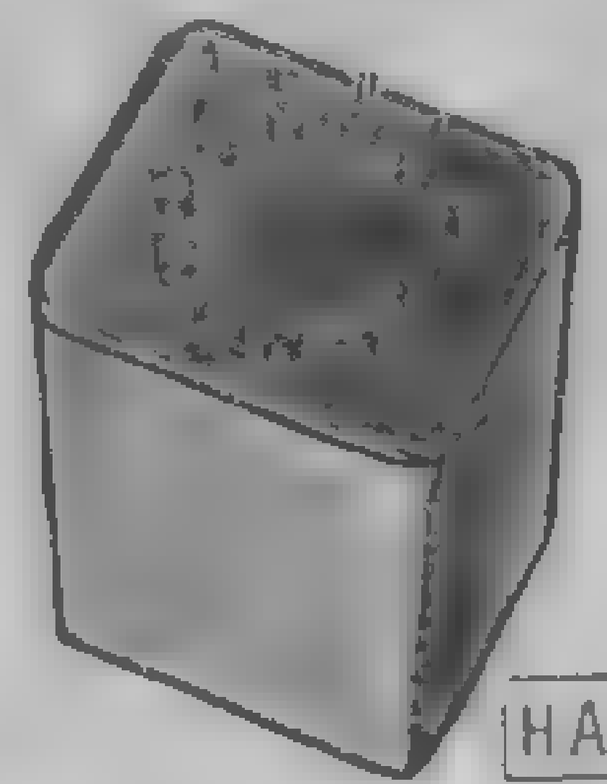

2PF10

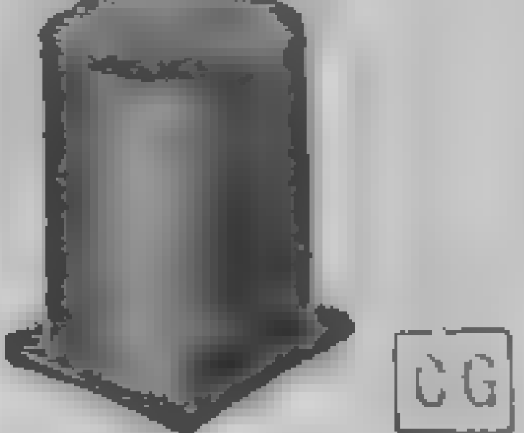
Stock No.	Mfr's Type	OUTPUT			Mounting	Size	Wt., Lbs.	NET EACH
		Volts	Amps	KVA				
62 G 575	2PF10*	0-132	1.0	0.132	U	3½x3½"	3½	16.50
62 G 536	10B*	0-132	1.75	0.165	P	2 1/16x2 13/16"	2½	8.50
62 G 531	20*	0-140	3.0	0.42	P	3 11/16x3 11/16"	6	12.50
62 G 525	116	0-140	7.5	1.0	U	6½x4⅝"	12	24.00
62 G 524	116U	0-140	7.5	1.0	P	5x4⅝"	11	18.00
62 GU 543	136	0-140	20.0	2.8	U	6 1/16x7¾"	25	50.00

UTC, Ohmite and Sola Transformers

UTC TRANSFORMERS


A


HA


CG

A ULTRA-COMPACT HIGH-FIDELITY AUDIOS

Max. level, +15 dbm, except † +30. *Multiple shield. Response, A-10, A-12, A-39, ±2 db, 20 20,000 cps; A-11, ±2 db, 50-20,000 cps; A-16, A-18, A-19, A 25, A-36, A 37, A-38, ±2 db, 40-20,000 cps; A-34, A-35, ±2 db, 30 20,000 cps; A-20, ±2 db, 10 50,000 cps; A 24, A 26, +2 db, 20-40,000 cps; A-21, ±2 db, 30-30,000 cps; A-15, A-22, A-23, 2 db, 40-10,000 cps. 2x1½x1½" case Av. shpg. wt., ¾ lbs.

Stock No.	Mfr's Type	Pri. Imp., Ohms	Sec. Imp., Ohms	NET EACH
62 G 820	A-10	50, 125-150, 200-250, 333, 500-600	50K	12.94
62 G 821	A-11*	50, 200, 500	50K P.P.	11.76
62 G 822	A-12	Same as A-10	80K 2 sect.	11.76
62 G 864	A-15†	10K-2.5K	500-2K	9.70
62 G 824	A-16	15K	60K 2:1	9.70
62 G 825	A-18	15K (Split)	80K P.P. 2.3:1	11.76
62 G 826	A-19	15K—8 ma DC	80K P.P. 2.3:1	11.76
62 G 827	A-20	Same as A-10	Same as Pri.	14.11
62 G 828	A-21*	50, 200-250, 500-600	Same as Pri	11.76
62 G 868	A-22†	500	125-500, split	9.70
62 G 873	A-23†	500	4 16, split	9.70
62 G 777	A-24	15K	As A-10 pri	12.64
62 G 778	A 25	15K—8 ma DC	As A-10 pri.	11.76
62 G 779	A 26	30K P. to P.	As A-10 pri	12.94
61 G 794	A-34	25,000–6250 split	500–125 split	10.00
61 G 795	A-35	10,000 2500 split	500 125 split	9.70
61 G 796	A-36	500–125 split	150–37.5 split	9.41
61 G 797	A-37	500–125 split	50–12.5 split	9.41
61 G 798	A-38	100–25 split	40–10 split	9.11
61 G 799	A-39*	600–150 split	2000–500 split	10.88
63 G 142	A-40	115 v. 60 cycles to two 6.3 v. CT —.2A Secs		9.70
63 G 143	A-41	240 mhy. at .2A, 6 ohms DC; 60 mhy. at .4A, 1.5 ohms DC		6.17
62 G 874	A-33	Mumetal shield; for any of above		2.65

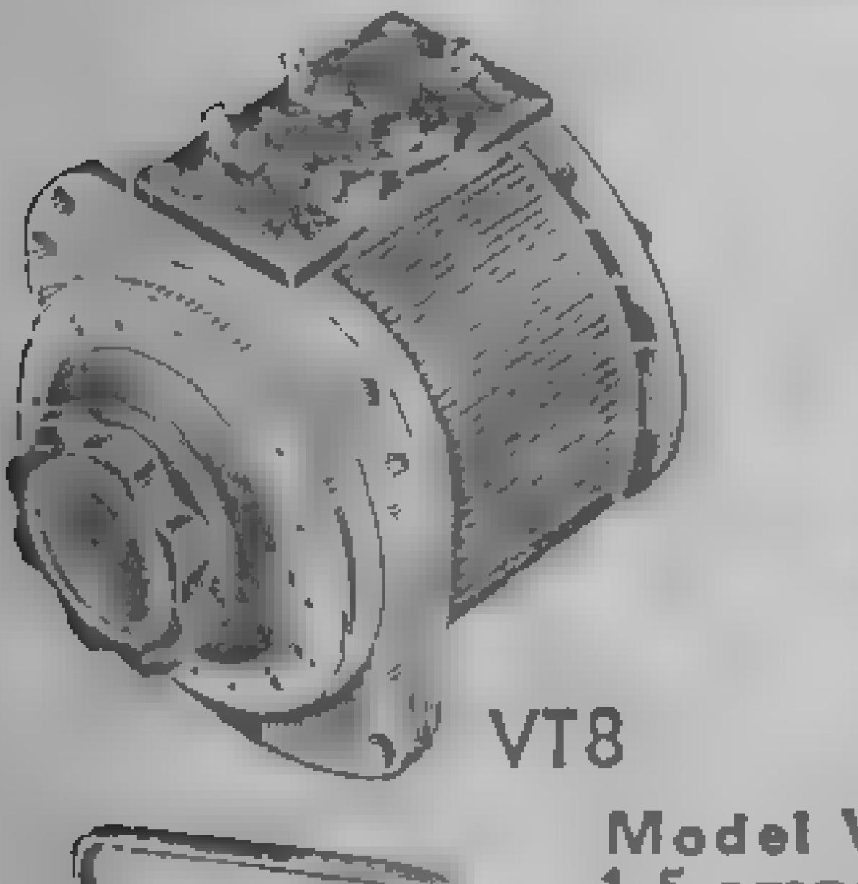
HA NEW OSCILLOSCOPE TRANSFORMER

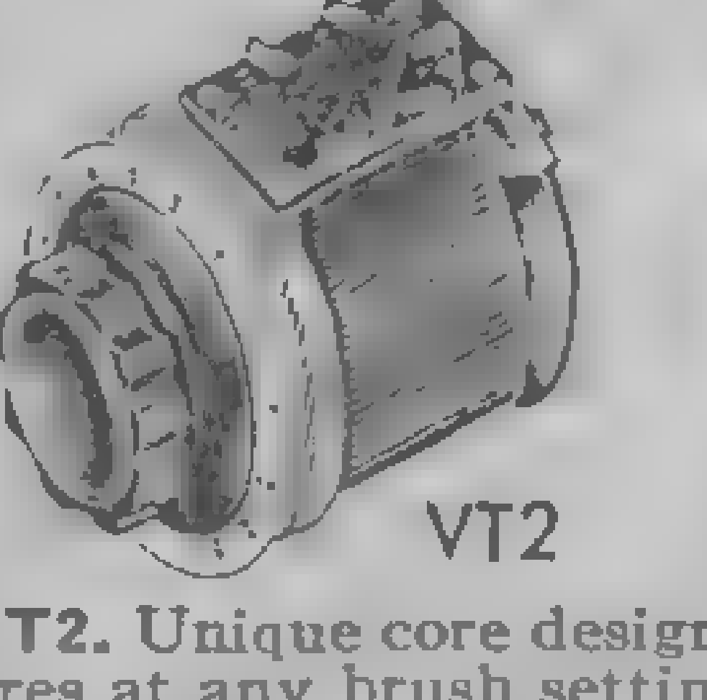
Type H-198. Shielded oscilloscope transformer with secondary output 800, 1600 or 2400 volts AC Provides 1000, 2000 or 3000 volts DC at 5 ma. 1.25 volt filament rated 1.2 amps connected to one end of HV winding. 6.3 volt filament rated .6 amps. Insulation rated 5.2 KV. Size: 2⅝x3¹⁄₁₆x4¼"; mtg. ctrs., 2¹⁹⁄₆₄x1⁵⁵⁄₆₄". Shpg. wt., 4½ lbs.
61 G 793. NET..............................26.46

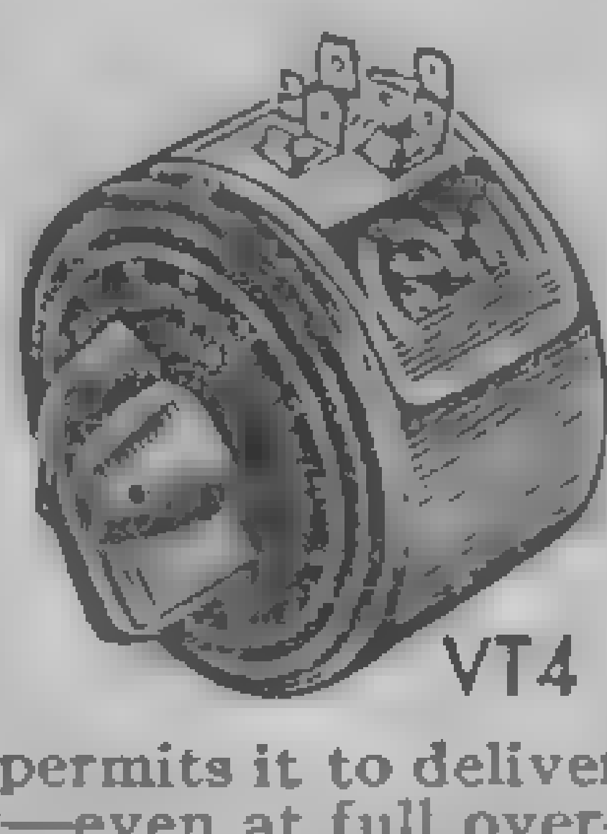
CG SWINGING INPUT CHOKE

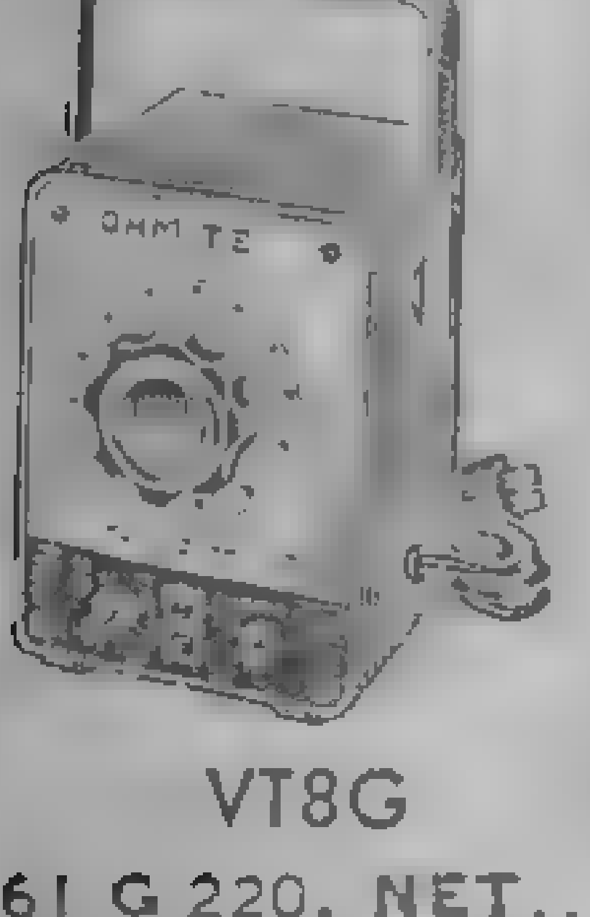
Type CG-105. Improves voltage regulation in DC power supplies. Inductance increases as load decreases—varies from 5 henrys at 350 ma DC maximum rating to 25 henrys at 35 ma Has DC resistance of 90 ohms. 5000 v. test. Ht, 5½"; cutout dia, 4". Shpg wt., 15½ lbs.
62 G 227. NET..............................14.70

OHMITE VARIABLE TRANSFORMERS


VT8


VT2


VT4



VT8G

Model VT2. Unique core design permits it to deliver 1.5 amperes at any brush setting—even at full overvoltage. Rugged internal stop eliminates possibility of damage when torque is applied at rotation limits. Input voltage 120 v., 60 cycle. Output voltage 0-132/0-120. Maximum amps, 1.5. Angle of rotation 320°. Reversible direct reading dial. Size: 2¹³⁄₁₆x2¹⁄₁₆". Shpg. wt., 2½ lbs.
61 G 219. NET..............................8.50

Model VT2N. As above, but 0-120 v., 1.8 amp.
62 G 131. NET..............................9.00

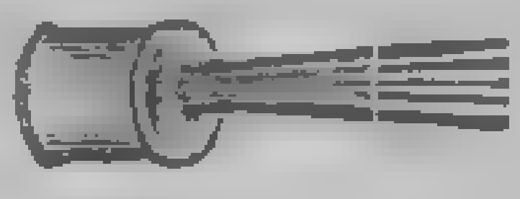
Model VT4. Delivers 3.5 amperes at any brush setting. Designed for mounting on panel or table. Input voltage 120 v, 60 cycles. Output voltage 0-140/0-120. Maximum amps, 3.5. Angle of rotation, 324°. Size, 4⁵⁄₃₂x3½". Shpg. wt., 5¼ lbs.
61 G 220. NET..............................12.50

Model VT4N. As above, but 0-120 v., 4.75 amps.
62 G 132. NET..............................13.00

Model VT8. Has all the features of VT4 including base plate that permits 3-or-4 hole mounting. Delivers 7.5 ampere maximum output. Mounts on tables or panels. Input, 120 v., 60 cycles. Output v., 0-140/0-120. Max. amps, 7.5. Rotation, 324°. 4⅞x4⅜". 10¼ lbs.
61 G 221. NET..............................18.00

Model VT8-G. As above, but in deluxe carrying case with over-voltage selection switch, line cord, outlet, circuit breaker. 14¼ lbs.
62 G 133. NET..............................28.50

"DO-TS" TRANSISTOR TRANSFORMERS



Deci-Ouncer miniature transistor transformers feat
low distortion, excellent response. Moisture-proof ca
Ideal for printed circuits. ⁵⁄₁₆x¹³⁄₃₂" long. Shpg. wt., 1

Stock No.	Mfr's Type	Application	Primary Ohms	Secondary Ohms	NE EAC
62G686	DO-T1	Interstage	20K-30K	800-1200	5.8
62G687	DO-T2	Output	500-600	50-60	5.
62G688	DO-T3	Output	1K-1.2K	50-60	5.
62G689	DO-T4	Output	600	3.2	5.
62G690	DO-T5	Output	1.2K	3.2	5.2
62G691	DO-T6	Output	10K	3.2	5.
62G692	DO-T7	Input	200K	1K	6.4
62G693	DO-T8	Reactor	3.5 hys @ 2 ma DC		4.7
62G694	DO-T9	Out Driv.	10K-12.5K	500-600	6.
62G695	DO-T10	Driver	10K-12.5K	1.2K-1.5K	6.
62G696	DO-T11	Driver	10K-12K	2K-2.5K	6.4
62G697	DO-T12	S/PP Output	150-200	12-16	5.
62G698	DO-T13	S/PP Output	300-400	12-16	5.
62G699	DO-T14	S/PP Output	600-800	12-16	5.
62G876	DO-T15	S/PP Output	800-1070	12-16	5.
62G877	DO-T16	S/PP Output	1K-1.33K	12-16	5.
62G878	DO-T17	S/PP Output	1.5K-2K	12-16	5.8
63G087	DO-T18	S/PP Output	7.5K-10K	12-16	6.
63G088	DO-T19	Output	300	600	5.8
63G089	DO-T20	Output	500	600	5.8
63G090	DO-T21	Output	900	600	5.8
63G091	DO-T22	Output	1.5K	600	5.8
63G092	DO-T23	Interstage	20K-30K	800-1.2K	6.
63G093	DO-T24	Input	200K	1K	7.
63G094	DO-T25	Interstage	10K-12K	1.5K-1.8K	7.
63G095	DO-T26	Reactor 6 hys @ 2 ma DC			5.5
63G096	DO-T27	Reactor 1.25 hys @ 2 ma DC			4.
61G752	DO-T28	Reactor .3 hys @ 4 ma DC; 15 hys @ 20 ma DC			4.
61G753	DO-T29	S, PP Output	120-150 CT	3.2 4	5.
61G754	DO T30	S/PP Output	320 400 CT	3.2 4	5.
61G755	DO T31	S/PP Output	640 800 CT	3.2 4	5.8
61G756	DO-T32	S/PP Output	800-1K CT	3.2-4	5.
61G757	DO-T33	S/PP Output	1.06K-1.33K CT	3.2-4	5.8
61G758	DO-T34	S/PP Output	1.6K-2K CT	3.2-4	5.8
61G759	DO-T35	S/PP Output	8K-10K CT	3.2-4	6.
61G760	DO-T36	Interstage	10K-12K CT	10K-12K CT	7.
63G284	DO-T37	Interstage	2K-2.5K CT	8K-10K split	7.6
63G293	DO-T38	Interstage	10K-12K CT	2K-2.4K split	7.6
63G294	DO-T39	Interstage	20K-30K CT	1K-1.5K split	7.6
63G295	DO-T40	Interstage	40K-50K CT	400-500 split	8.
63G296	DO-T41	Output	400-500 CT	400-500 split	7.
63G297	DO-T42	Interstage	400-500 CT	120-150 split	7.
63G298	DO-T43	Interstage	400-500 CT	40-50 split	7.
63G299	DO-T44	Interstage	80-100 CT	32-40 split	7.
63G097	DO-TSH	Shield, for any of above			.

DI-T TRANSFORMERS

Weigh 0.05 oz., ⁵⁄₁₆" dia. by ¼" long. Hermetic
sealed; meet MIL-T-27A. For printed circuit—sol
melting plastic covered leads. Leads withstand 10 lb. pull. Shpg. wt., 1

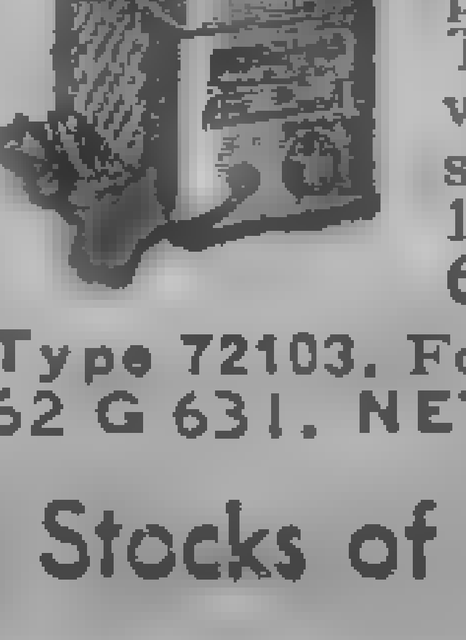
Stock No.	Mfr's Type	Application	Primary Ohms	Secondary Ohms	NE EA
61G743	DI-T1	Interstage	20K-30K	800-1.2K	5.
63G106	DI-T2	Output	500-600	50-60	5.
63G107	DI-T3	Output	1K-1.2K	50-60	5.2
61G744	DI-T5	Output	1.2K	3.2	5.2
63G108	DI-T8	Reactor 2.5 hys @ 2 ma DC, .9 hy @ 4 ma DC			4.7
63G109	DI-T9	Out. Driv.	10K-12.5K	500-600	6.4
63G110	DI-T10	Driver	10K-12.5K	1.2K-1.5K	6.4
63G111	DI-T11	Driver	10K-12K	2K-2.5K	6.4
63G112	DI-T19	Output	300	600	5.8
63G113	DI-T20	Output	500	600	5.8
61G745	DI-T21	Output to line	900 CT	600	5.8
63G114	DI-T22	Output	1.5K	600	5.8
63G137	DI-T23	Interstage	20K-30K	800-1.2K	6.7
61G746	DI-T25	Interstage	10K-12K CT	1.5K-1.8K CT	7.0
61G747	DI-T26	Reactor 4.5 hys @ 2 ma DC, 1.2 hys @ 4 ma DC			5.5
61G748	DI-T27	Reactor .9 hy @ 2 ma DC, .5 hy @ 6 ma DC			4.7
61G749	DI-T28	Reactor .1 hy @ 4 ma DC, .08 hy @ 10 ma DC			4.7
61G750	DI-T36	Interstage	10K-12K CT	10K-12K CT	7.3
61G751	DI-TSH	Shield for any of above			.8

VARIMATCH MODULATION UNITS

The UTC Varimatch transformer eliminates the power loss and high d
tortion caused by imprecise matching of RF load to a class B modulat
Through use of a combination of tapped windings, unit affords
extremely wide range in impedance matching. Vacuum impregnated
sealed against moisture. Primary imp., from 500 to 20,000 ohms; seco
ary imp., from 30,000 to 300 ohms. Maximum audio ratings: CVM-0,
w., CVM-1, 30 w.; CVM-2, 60 w. *Maximum watts. Shpg. wt.: CVM
3½ lbs.; CVM-1, 6½ lbs.; CVM-2, 11 lbs.

Stock No.	Type	Class C Input*	Size	NET
63 G 069	CVM-0	25	3x3¾"	10.2
63 G 070	CVM-1	60	3¾x4½"	13.5
63 G 071	CVM-2	125	4½x5½"	17.6

SOLA TV VOLTAGE REGULATORS



Type 72104. Protects costly components against viole
voltage surges. Will supply correct voltage input for
reception television receiver is capable of delivering wh
poor reception is caused by fluctuating voltage. For a
TV set with power consumption between 165 and
watts. Delivers ±3% stabilized voltage. No wiring nec
sary. Turns on and off with set. 8¹⁵⁄₁₆x4¹⁵⁄₃₂x7¹⁄₃₂". For
130 v., 60 cycle AC. Shpg. wt., 27 lbs.
62 GU 667. NET..............................37.

Type 72103. For 110 to 175-watt sets. Shpg. wt., 19 lbs.
62 G 631. NET..............................34.

UTC Transformers

OUNCER AUDIO UNITS

ly 1 ounce—for all compact applications. Response stics are: ±1 db 30-20,000 cps, except 0-14, 0-15, carrying DC, which are for voice from 150 to 4,000 -20,000 cps; †100-20,000 cps. Maximum operating b. Sealed in aluminum housings. ⅞" dia., 1³⁄₁₆" high, 1¹⁄₁₆" dia., 1½" high. Mount by two 2-56 screws on 1¹⁄₁₆" pposite terminals. Shpg. wt., 4 oz.

No.	Type	Primary Impedance	Sec. Imp.	NET
780	0-1	50, 200-250, 500-600	50,000	7.64
781	0-2	50, 200-250, 500-600	50,000 CT	7.64
782	0-3	7.5-30	50,000	7.35
783	0-4	15,000	60,000	6.47
784	0-5	15,000 DC in Pri.	60,000	6.47
785	0-6	15,000	95,000 CT	7.35
786	0-7	15,000 DC in Pri.	95,000 CT	7.35
787	0-8	15,000	50, 200-250, 500-600	7.64
788	0-9	15,000 DC in Pri.		7.64
789	0-10	30,000 plate to plate		8.23
790	0-12	50, 200-250		7.64
793	0-13	Reactor: 300 hys. at 0 DC; 6000 ohms.		6.17
791	0-14	200	½ megohm	7.35
792	0-15	15,000	1 megohm	7.35
794	0-16§	250 CT	50,000	10.00
493	0-18†	10,000/2500	2000/500	7.64
494	0-19†	10,000/2500	4000/1000	7.64
495	0-20†	1500 CT	500/125	6.17
496	0-21†	2000 CT; 4000 CT	8; 16	5.29
761	0-22†	400 CT, 500 CT	3.2-4	5.29
762	0-23	Reactor: 7 hys. at 3 ma DC; 230 ohms		5.00
763	0-24	Reactor: 1.6 hys. at 3 ma DC; 25 ohms		5.00
764	0-25*	600/150	2000/500	7.94
765	0-26†	10,000 CT	10,000 CT	7.94
766	0-27†	10,000 CT	500/125	8.23
767	0-28†	50,000 CT	500/125	8.23
768	0-29†	100,000 CT	500/125	8.53
769	0-30†	500/125	500/125	7.94
770	0-31†	500/125	150/37.5	7.94
771	0-32†	500/125	50/12.5	7.94
772	0-33†	100/25	40/10	7.94
492	0-17	Mumetal Shield; fits any Ouncer unit		1.47

B AND SUB-SUBOUNCER TRANSFORMERS

miniature equipment. Frequency response, ±3 db) cps. Sub-ouncer size, ¹¹⁄₁₆x¹³⁄₁₆x1⅞". Wt., ½ oz. ouncer, ⁷⁄₁₆x¾x⅝" Wt. ⅓ oz. Fixed imp. ratio; 8:1, †10:1, §20:1, #25:1, **50:1, §§100:1, ††1250:1. 2675 ohms DC resistance: SSO 5, 4400 ohms. 2 oz.

SUB-OUNCER TRANSFORMERS

No.	Type	Use	Pri. Imp.	Ma.	Sec. Imp.	NET
G 210	††SO-1	Input	200, 50	0	250K, 62.5K	3.53
G 211	SO-2	Audio 1:3	10,000	0.25	90K	3.23
G 212	**SO-3	Pl to line	10K, 25K	3, 1.5	200, 500	3.23
G 213	SO 4	Output	30,000	1	50	3.23
G 214	SO-5	Reactor	50 hys. @	1*		2.94
G 215	SO-6	Output	100,000	0.5	60	3.82
G 216	SO-7	Interstage	20K, 30K	0.5	800, 1200	2.94
G 217	SO 8	Transistor to PP sec	10K	1	2000 CT	3.53
G 218	SO-9	PP Transistor to VC	500 CT	0	3.2	3.53
G 497	SO-10	Transistor to VC	2K CT 4K CT	4 2	8 16	3.53
G 773	SO-11	Transistor Interstage	400,500CT	8	400/500	4.12
G 774	SO-12	Transistor Interstage	400,500CT	8	120, 150	4.12
G 775	SO-13	Transistor Interstage	400,500CT	8	40/50	4.12
G 776	SO-14	Transistor Interstage	80, 100 CT	16	32/40	4.12

SUB-SUBOUNCER TRANSFORMERS

No.	Type	Use	Pri. Imp.	Ma.	Sec. Imp.	NET
G 236	††SSO-1	Input	200, 50	0	250K 62.5K	4.41
G 237	SSO-2	Interstage 1:3	10,000	0-.25	90K	4.70
G 238	**SSO-3	Pl. to line	10K, 25K	3, 1.5	200, 200	4.12
G 239	SSO-4	Output	30,000	1	50	3.82
G 240	SSO-5	Reactor	50 hys @	1*		3.82
G 241	SSO-6	Output	100,000	0.5	60	4.12
G 235	#SSO-7	Transistor	20K, 30K	0.5	800, 1200	3.23
G 229	SSO-8	Transistor to PP sec.	10K	1	2000 CT	3.82
G 234	SSO-9	Transistor to VC	10K	2	16	2.94
G 246	SSO-10	Transistor to VC	10K	2	3.2	2.94
G 247	†SSO 11	Transistor Output	500 600	3.5 3.5	50 60	2.94
62 G 248	§SSO-12	Transistor Output	1000 1200	3 3	50 60	2.94
G 249	SSO-13	Crystal to Transistor	200K	0	1000	4.41
G 498	#SSO-14	Transistor Interstage	10K CT 25K CT	2 1	200 CT 500 CT	4.12
G 499	#SSO-15	Transistor Interstage	20K CT 30K CT	1 1	800 CT 1200 CT	4.12
G 777	SSO-16	Output	1200, 1500	3	3.2, 4	2.94
G 778	SSO-17	Output	10K,12.5K	2	500,600CT	3.23
G 779	SSO-18	Output	7.5K, 9.4K CT	4	3.2, 4	3.23
G 780	SSO-19	Output	500 CT	10	600 CT	3.23
G 781	SSO-20	Output	1.5K CT	7	600 CT	3.23
G 782	SSO-21	Crystal Chopper	200K CT	0	1000 CT	4.70
61 G 783	‡‡SSO-22	Interstage	12K, 10K CT	4	1500, 1800 CT	3.82
61 G 784	SSO-23	Reactor: 8 hys. at 2 ma DC; 4 hys. at 5 ma DC, 650 ohms				2.94
61 G 785	SSO-24	Reactor: 3.5 hys. at 2 ma DC; 1.5 hys. at 5 ma DC, 160 ohms				2.94
61 G 786	‡SSO-25	Transistor Interstage	10K, 12K CT	1	10K, 12K CT	5.00
61 G 787	§§SSO-26	Transistor Interstage	40K, 50K CT	0.5	400/500	5.00

CASE DIMENSIONS

Case	Height	Width	Depth	Shpg. Wt.
G 1	1⅞"	2¹¹⁄₁₆"	1¾"	1 lb.
G-2	2⁵⁄₁₆"	3⅜"	1¹⁵⁄₁₆"	1½ lbs.
G-3	2½"	3¾"	2⅝"	2 lbs.
G-4	2¹⁵⁄₁₆"	4⅛"	2⁵⁄₁₆"	3 lbs.
G-5	3¾"	3⅛"	4½"	4½ lbs.
G-7	4⅝"	4⅝"	5½"	8 lbs.
G-8	4⅝"	5⅜"	5⅜"	12 lbs.
G-9	5⅞"	5⅜"	6¾"	21 lbs.
G-10	5⅞"	6⅛"	6⅝"	24 lbs.
G-11	5⅞"	6½"	7⅜"	31 lbs.
G-12	10¼"	7⅜"	9¼"	52 lbs.

LINE-TO-SPEAKER TRANSFORMERS

Stock No.	Type	Watts	Primary	Sec.	Case	NET
62 G 769	S-12	15	500, 2000 4000	2, 4, 8, 15	G-2	5.29
62 G 770	S-13	30			G-4	7.64

UNIVERSAL OUTPUTS—TO LINE AND VOICE COIL

Secondary impedances: 500, 15, 8, 2 ohms.

Stock No.	Mfr's Type	Primary Impedance	Watts	Case Type	NET EACH
62 G 764	S-14	2500, 4000, 7000, 10,000	10	G-2	6.47
62 G 765	S 15	PP tubes: 4000, 5000, 10,000	12	G-2	7.06
62 G 766	S-16	PP 3000, 6000, 9000-10,000	30	G-4	8.23

FILTER, SWINGING AND AUDIO CHOKES

Stock No.	Type	Henrys	Ma	Ohms	Insul.	Case	NET
62 G 776	S 23	300	5	5000	1500 V.	G-2	4.41
62 G 725	S-24	500 CT	3	6000	1500 V.	G-2	5.00
62 G 726	S-25	30	30	800	1500 V.	G-2	3.82
62 G 727	S-26	12	60	250	1500 V.	G-2	3.82
62 G 728	S 27	25	75	350	1500 V.	G-4	5.00
62 G 729	S-28	20	100	350	1500 V.	G-4	6.17
62 G 730	S 29	6	175	90	1500 V.	G-4	5.00
62 G 731	S-30	4/20	175	90	1500 V.	G-4	5.00
62 G 732	S-31	6	225	100	2700 V.	G-5	6.76
62 G 733	S-32	4/20	225	100	2700 V.	G-5	6.76
62 G 751	S-33	8	300	100	4000 V.	G-7	9.11
62 G 734	S-34	4/20	300	100	4000 V.	G-7	9.41
62 G 735	S 35	8	400	60	5000 V.	G-8	11.76
62 G 736	S-36	4/20	400	60	5000 V.	G-8	11.76
62 G 737	S 37	8	550	60	6000 V.	G-8	14.70
62 G 738	S 38	4/20	550	60	6000 V.	G-8	14.70
61 G 788	S-80	100, 10 mhy.	1.75A	.5	500 V.	G-1	3.82
61 G 789	S-81	100 8 mhy, 25/2 mhy	2.5A, 5A	.6, .15	1500 V.	G-3	5.88

PLATE TRANSFORMERS—115 V., 50-60 CYCLES

Stock No.	Type	Sec. VCT	DC Ma	Case	NET
62 GU 744	S-44	1150/1050	500	G-9	25.28
62 G 745	S-45	1800/1500	200	G-8	20.58
62 GU 746	S-46	2000/1500	300	G-9	23.52
62 GU 748	S-47	3000/2500/2000	300	G-10	32.34
62 GU 749	S-48	3000/2500/2000	500	G-11	38.22
62 GU 750	S-49	4200/3600/3000	300	G-11	35.28
62 GU 700	S-50	6000/5000	300	G-12	58.80

UNIVERSAL MODULATION TRANSFORMERS

Stock No.	Type	Audio Power	Case	NET
62 G 771	S-18	12 watts	G-3	7.06
62 G 772	S-19	30 watts	G-4	9.11
62 G 773	S-20	55 watts	G-5	14.70
62 GU 775	S-22	250 watts	G-9	32.34

SINGLE-SECONDARY FILAMENT TRANSFORMERS

All primaries tapped at 105, 115 volts, 50-60 cycles. *Tapped sec.

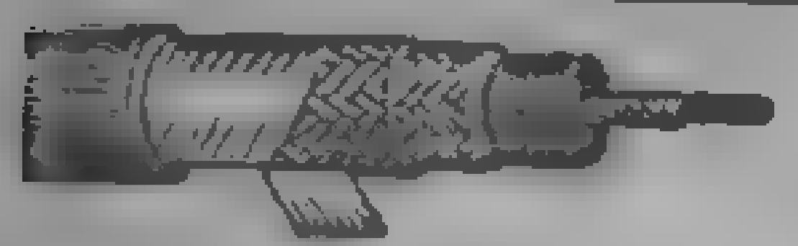
Stock No.	Type	Secondary (CT)	Ins. V.	Case	NET
62 G 703	S-53	2.5V @ 10A	1500	G-3	6.17
62 G 704	S-54	5V @ 4A	2500	G-3	5.59
62 G 705	S-55	6.3V @ 3A	1500	G-3	5.29
62 G 707	S-57	2.5V @ 10A	10000	G-5	8.82
62 G 708	S-58	2.5V @ 20A	10000	G-5	9.70
62 G 709	S-59	5V @ 13A	5000	G-5	9.11
62 G 710	S-60	5V @ 22A	10000	G-7	12.94
62 G 711	S-61*	7.5, 6.3V @ 10A	3000	G-5	10.00
62 G 712	S-62	10V @ 10A	3000	G-5	9.11
62 G 713	S-63*	14, 12, 11V @ 10A	5000	G-7	12.94

MULTIPLE-SECONDARY FILAMENT TRANSFORMERS

Primary tapped 105, 115 volts, 50-60 cycles. Insulation, 3000 v., except S-71, 10,000 v. and S-72, 5000 v. All in G-5 case except *G-7 case.

Stock No.	Type	Fil. 1 CT	Fil. 2 CT	Fil. 3 CT	NET
62 G 717	S-67	5 V @ 6 A	6.3 V @ 5 A	....	10.00
62 G 720	S-70	6.3 V @ 5 A	6.3 V @ 5 A	....	10.00
62 G 721	S-71*	2.5 V @ 6 A	2.5 V @ 6 A	2.5 V @ 12 A	14.70
62 G 722	S-72	5 V @ 3 A	5 V @ 6 A	5 V @ 6 A	11.17

Belden Cable and Wire



SHIELDED MICROPHONE CABLE

SINGLE CONDUCTOR—FOR HIGH-IMPEDANCE MIKES

No. 25, tinned, stranded conductor; 3x33 copper and 4x33 copperweld wire. Covered with cellulose acetate yarn braid, polyethylene insulation, tinned copper shield and chrome plastic jacket. *Rubber insulation and black rubber jacket. **Lengths under 100 ft. available only in spool sizes listed below.**

Mfr's Type	O. D.	Wt., 100 ft.
8401	.200″	2½ lbs.
8410*	.245″	4 lbs.
8411	.144″	1¾ lbs.

Mfr's Type	15 ft. Spool		25 ft. Spool		50 ft. Spool		100 ft. Spool		Over 100 ft.	
	No.	NET	No.	NET	No.	NET	No.	NET	No.	Per 100′
8401	47 T 561	.85	47 T 562	1.18	47 T 563	2.30	47 T 560	4.21	47 W 564	4.21
8410*	47 T 447	1.32	47 T 448	2.06	47 T 449	3.82	47 T 446	7.20	47 W 444	7.20
8411	47 T 601	.70	47 T 602	.99	47 T 603	1.71	47 T 600	3.09	47 W 604	3.09

TWO-CONDUCTOR—FOR LOW-IMPEDANCE MIKES

Shielded cable. 8422 is No. 22 stranded (16x34) tinned copper, polyethylene insulation, chrome plastic jacket. 8412 is No. 20 stranded (26x34) cotton wrap, rubber ins., black rubber jacket. 8428 is heavy-duty studio cable, No. 18 stranded (41x34), cotton wrap, black neoprene jacket. 8413 and 8420 are miniature cable, No. 24 stranded (45x40) tinned cadmium bronze. 8413 has rubber ins. and black rubber jacket. 8420 has polyethylene ins. and chrome-vinyl jacket. **Lengths under 100 ft. available only in spool sizes below.**

Mfr's Type	O. D.	Wt., 100 ft.
8428	.295″	6¼ lbs
8412	.268″	5½ lbs.
8422	.231″	4 lbs.
8413	.185″	2½ lbs.
8420	.178″	2¼ lbs

Mfr's Type	15 ft. Spool		25 ft. Spool		50 ft. Spool		100 ft. Spool		Over 100 ft.	
	No.	NET	No.	NET	No.	NET	No.	NET	No.	Per 100′
8428	47 T 465	1.71	47 T 466	2.79	47 T 467	5.29	47 T 454	10.29	47 W 468	10.29
8412	47 T 457	1.50	47 T 458	2.30	47 T 459	4.21	47 T 453	8.08	47 W 464	8.08
8422	47 T 451	1.13	47 T 452	1.71	47 T 455	3.18	47 T 450	5.73	47 W 456	5.73
8413	47 T 642	1.91	47 T 643	2.89	47 T 644	5.29	47 T 645	10.29	47 W 646	10.29
8420	47 T 631	1.47	47 T 632	2.20	47 T 633	4.07	47 T 634	7.82	47 W 635	7.82

MULTIPLE-CONDUCTOR MIKE AND POWER CABLE

For microphone and interconnecting power cable requirements. No. 20 stranded (26x34), tinned copper conductor, and color-coded conductors. Types 8423, 8424, 8425, 8426, 8427, and 8418 have cotton wrap, rubber insulation, rayon braid, tinned copper braid shield, and black rubber outer jacket. Types 8403 and 8404 have polyethylene insulation, rayon, tinned copper braid shield, and chrome vinyl plastic jacket. Types 8403, 8404, 8423, and 8424 for all low-impedance mikes; all others for general interconnecting power cable uses. **Lengths under 100 ft. available only in spool sizes listed below.**

Mfr's Type	O.D.	Wt., 100 ft.
8403	.247″	5 lbs.
8404	.255″	5½ lbs
8423	.277″	5¾ lbs
8424	.295″	6¾ lbs
8425	.323″	7¾ lbs.
8426	.349″	9 lbs.
8427	.360″	10 lbs
8418	.386″	11 lbs.

Mfr's Type No.	Conductors	Mmf per foot	15 ft. Spool		50 ft. Spool		100 ft. Spool		Over 100 ft.	
			No.	NET	No.	NET	No.	NET	No.	Per 100′
8423	3	85	47 T 461	1.76	47 T 462	4.70	47 T 460	9.11	47 W 463	9.11
8403	3	45	47 T 554	1.42	47 T 555	3.53	47 T 557	6.61	47 W 558	6.61
8404	4	45	47 T 559	1.47	47 T 565	3.97	47 T 566	7.50	47 W 567	7.50
8424	4	95	47 T 471	1.91	47 T 472	5.54	47 T 470	10.39	47 W 473	10.39
8425	5	80	47 T 481	2.20	47 T 482	6.57	47 T 480	12.94	47 W 483	12.94
8426	6	78	47 T 491	2.65	47 T 492	8.04	47 T 490	15.43	47 W 493	15.43
8427	7	75	47 T 507	2.89	47 T 508	8.67	47 T 510	16.90	47 W 509	16.90
8418	8	75	48 T 834	2.89	48 T 835	8.82	48 T 836	17.64	48 W 837	17.64

UNSHIELDED TWO-CONDUCTOR WEATHERPROOF CABLE

For intercoms, speaker extensions, etc. 8205 is No. 20 stranded (10x30), vinyl plastic insulation, chrome vinyl jacket; 8204 is No. 18 (16x30), rubber insulation, white cotton braid. **Only in lengths shown.**

8205	.190″	1½ lbs.
8204	.220″	3 lbs.

Type	25 ft. Spool		100 ft. Spool		Over 100 ft.	
	Stock No.	NET	Stock No.	NET	Stock No.	PER 100′
8205	47 T 861	.81	47 T 860	2.45	47 W 862	2.45
8204	47 T 640	1.25	47 T 639	3.67	47 W 641	3.67

2-CONDUCTOR RUBBER SERVICE CORDS

Two-conductor stranded bare copper wire with cotton fillers. Highly flexible. Rubber insulation is 1/32″ on type SJ, and 1/64″ on SV. All are color-coded for easy identification. 8452 and 8478 are No. 18 stranded (41x34). 8472, No. 16 stranded (65x34). *Indicates type SV, †indicates SJ. U.L. Approved. **Lengths under 100 feet available only in spool sizes listed below.**

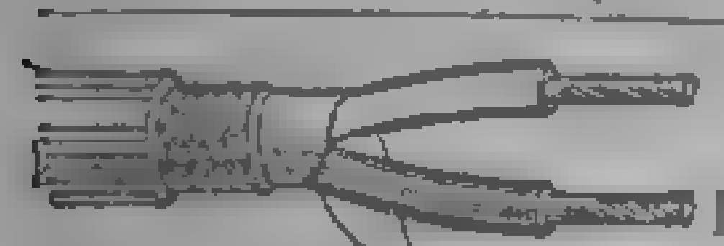
Mfr's Type	O. D.	25 ft. Spool		50 ft. Spool		100 ft. Spool		Over 100 ft.		Lbs., 100 ft.
		No.	NET	No.	NET	No.	NET	No.	Per 100′	
8452*	.245″	47 T 411	1.47	47 T 412	2.45	47 T 410	4.38	47 W 413	4.38	4
8478†	.299″	47 T 401	1.62	47 T 402	2.89	47 T 400	5.29	47 W 404	5.29	5¼
8472†	.325″	47 T 406	1.86	47 T 407	3.67	47 T 403	7.01	47 W 408	7.01	6½

MULTIPLE-CONDUCTOR WIRE

Excellent for 3, 4, and 5-conductor wire extension speakers, public address systems, test equipment, remote control circuits, press-to-talk intercom circuits, etc. Uniform quality. Tinned-copper, flexible strands; cotton wrap; rubber insulation; color-coded conductors; black rubber jacket. Av. shpg. wt., per 100-ft. spool, 5¼ lbs. **Lengths under 100 ft. available only in spool sizes listed below.**

Type	O.D.
8453	.265″
8454	.265″
8455	.280″

Mfr's Type	Cond.	Wire Size	15 ft. Spool		50 ft. Spool		100 ft. Spool		Over 100 ft.	
			No.	NET	No.	NET	No.	NET	No.	Per 100′
8453	3	18 (41x34)	47 T 421	1.18	47 T 422	3.09	47 T 420	5.88	47 W 423	5.88
8454	4	18 (41x34)	47 T 431	1.42	47 T 432	3.67	47 T 430	7.06	47 W 433	7.06
8455	5	3-20(26x34) 2-18(41x34)	47 T 441	1.47	47 T 442	3.97	47 T 440	7.50	47 W 443	7.50

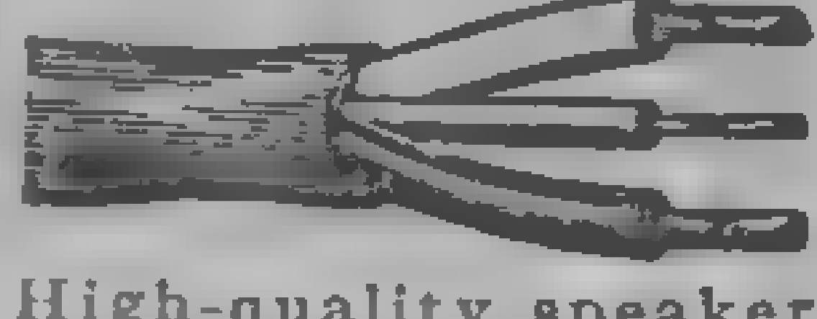


SHIELDED PA AND SOUND SYSTEM CABLE

For long runs in speaker installations. 8208 and 8209 are 2-cond. 8206, 1-cond.; 8735, 3-cond. All have No. 18 stranded copper conductor (except 8735), cotton or paper wrap, rubber insulation (except 8735), and copper braid shield. 8735 is No. 22 stranded (7x30) and has plastic insulation. 8209 in weatherproof cotton outer jacket; 8208, 8735 plastic; 8206 in copper braid. **Lengths under 100 ft. available only in spool sizes below.**

Mfr's Type	O. D.	15 ft. Spool		50 ft. Spool		100 ft. Spool		Over 100 ft.		Lbs., 100 ft.
		No.	NET	No.	NET	No.	NET	No.	Per 100′	
8206	.156″	47 T 831	.73	47 T 832	1.99	47 T 830	3.53	47 W 833	3.53	2
8208	.270″	47 T 852	1.15	47 T 853	3.18	47 T 851	5.83	47 W 854	5.83	4
8209	.258″	47 T 847	1.15	47 T 848	3.18	47 T 850	5.83	47 W 849	5.83	4
8735	.199″	48 T 872	.85	48 T 873	2.25	48 T 876	4.21	48 W 874	4.21	3

JUKE BOX CABLE

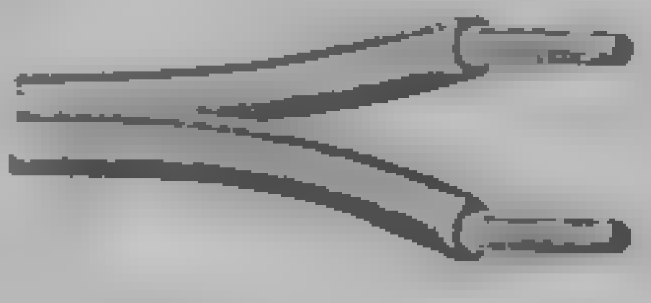


Mfr's Type	O.D
8783	.250″
8785	.211″x
8786	.211″x
8787	.330″

High-quality speaker and control cable for all juke box applications. All have vinyl-plastic inner insulation; ch
vinyl plastic outer jacket. For use as juke
control cable. 8783 is 3-cond. color-coded
No. 20 (10x30), 2—No. 16 (26x30). Type
oval is 5-cond. color-coded, No. 22 stra
(7x30) tinned copper with copper braid
over 3 conductors, twisted pair unshie
8786 oval is 6-cond. color-coded, 2—N
(7x30), 4—No. 24 (7x32) tinned copper
shield over 4 conductors; twisted pai
shielded. 8787 is 10-cond. color coded, 2 pa
4—No. 24 (7x32) tinned copper braid
over 4 conductors, 2—No. 22 (7x30) unshie

Stock No.	Mfr's Type	Wt., 100 ft.	NET Per ft.	NE Per 1
48 W 867	8783	4 lbs.	5½¢	4.4
48 W 869	8785	4 lbs.	6¢	5.1
48 W 864	8786	4 lbs.	7¢	5.6
48 W 827	8787	7 lbs.	23¢	18.

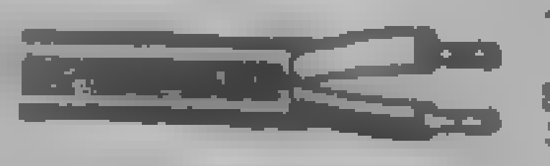
TYPE 8782 JUKE BOX SPEAKER CA



Has 2 parallel cond
of No. 24 stranded (7
copper wire, one
other tinned. Wet
vinyl plastic insula
enclosed by outer j
of chrome vinyl plastic. .058x.115″ O.D.
wt., 100 ft., 10 oz. **Only in lengths sh**

48 T 848. 25-ft. Spool. NET. 5
48 T 828. 50-ft. Spool. NET
48 T 829. 100-ft. Spool. NET.
48 W 868. Over 100′, PER 100′. .....

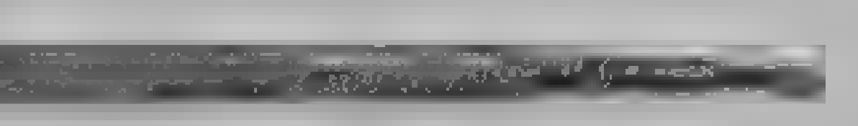
DUPLEX LIGHTING CABLE



Weatherproof 2-condu
stranded copper wire. C
jacket is chrome vinyl pl
1 brown and 1 red conductor parallel in
oval sheathing. 8677 is No. 16 AWG (19
O.D., .164″x.276″. 8675 is No. 14 AWG (19
O.D., .189″x.326″. 8673 is No. 12 AWG (19
O.D., .214″x.384″. Av. wt., 100 ft., 5 lbs.

Stock No.	Type	Per ft.	Per 100
47 W 405	8677	6½¢	5.2
47 W 415	8675	8¢	6.7
47 W 425	8673	12¢	9.5

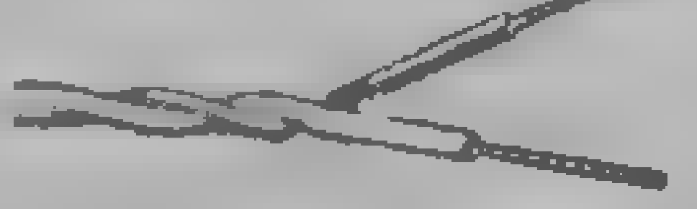
TYPE 8885 SHIELDED GRID WIRE



No. 20 single stranded (10x30) tinned co
.015″ rubber insulation. Cellulose acetate
braid, fungus-resistant lacquer coating, ti
copper braid shield. Break-down voltage,
volts. O.D., .117″. Shpg. wt., 100 ft., 1¼
Only in lengths shown.

47 T 791. 15-ft. Spool. NET..........6
47 T 792. 25-ft. Spool. NET.
47 T 790. 100-ft. Spool. NET.
47 W 793. Over 100 ft., PER 100 FT.

PHONO PICKUP ARM CABLE



Type 8430. Feat
exceptional flexib
No. 32 stranded (7
copper conductor. V
insulated. Red
black twisted p
O.D., .050″. **Only in lengths shown.**

47 T 614. 10-ft. Spool. Wt., 4 oz. NET 5
47 T 615. 25-ft. Spool. Wt., 5 oz. NET .
47 T 616. 250-ft. Spool. Wt., 8 oz. NET .4

Type 8431. No. 24 stranded (16x36) ti
copper, rubber covered, tinned copper sh
brown cotton. Single conductor. Extre
flexible. O.D., .095″. Wt., 100 ft., 1 lb. **Only
lengths shown.**

47 T 611. 10-ft. Spool. NET..........5
47 T 612. 25-ft. Spool. NET...........
47 T 610. 100-ft. Spool. NET.......... 3
47 W 613. Over 100 ft., PER 100 FT..3

Type 8429. For stereo heads. Extremely l
and flexible. Two No. 32 stranded (7x40) c
per conductors. Vinyl insulated. Tinned sh
Red and black twisted pair. O.D., .057″. O
in lengths shown.

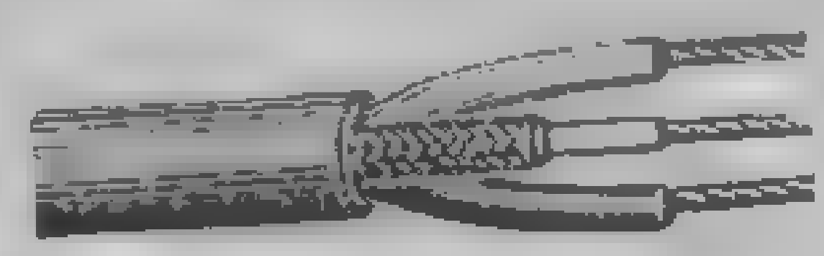
47 T 636. 10-ft. Spool. Wt., 2 oz. NET 6
47 T 637. 25-ft. Spool. Wt., 5 oz. NET 1
47 T 638. 250-ft. Spool. Wt., 14 oz. NET 7

Type 8419. New, for stereo. As above,
three conductor. O.D., .063″.

47 T 647. 10-ft. Spool. Wt., 3 oz. NET 7
47 T 648. 25-ft. Spool. Wt., 6 oz. NET
47 T 649. 250-ft. Spool. Wt., 13 oz. NET

Belden Wire and Cable

4-CONDUCTOR INTERCOM CABLE



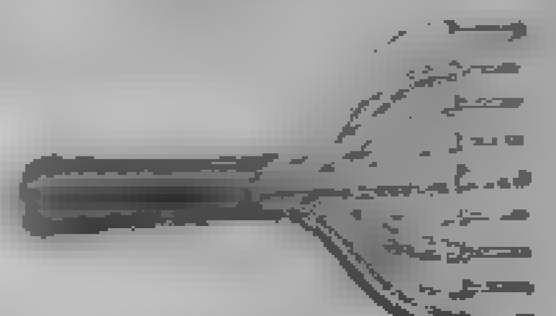
8734. No. 22 stranded (7x30) with insulation. 3 1 tinned shield, 2 unshielded. Chrome vinyl jacket overall. 0.194" O.D. Shpg. wt., 2¼ lbs.
875. PER FOOT..............4½c
or more, PER 100 FT...........3.67

8763. Same as Type 8734 except 2 con- shielded, and 1 conductor unshielded. 0 ft., 3¼ lbs.
840. PER FOOT..............5c
or more, PER 100 FT...........4.36

8732. No. 22 tinned, stranded copper with polyethylene insulation. 4 con- 1 pair tinned copper braid shield, 1 shielded Chrome vinyl plastic jacket. 188"x.296" O D. Wt., 100 ft., 3 lbs.
897. PER FOOT..............5½c
or more, PER 100 FT...........4.41

VINYL-COVERED PLASTIC-INSULATED CABLE

Mfr's Type	O.D.	Wt., 100 ft.
*8443	.150"	2 lbs.
*8444	.168"	2¼ lbs.
*8445	.180"	2½ lbs.
†8446	.222"	4 lbs.
†8447	.246"	4½ lbs.
†8448	.251"	4¾ lbs.
†8449	.261"	5 lbs.



For permanent installation of speakers, control and intercom circuits, and other applications requiring highly durable, lightweight cable. Conductors are tinned copper, flexible, stranded wire, with color-coded, plastic insulation; chrome vinyl plastic jacket overall. *All conductors are No 22 stranded (7x30). †Have two conductors of No. 18 stranded (16x30); the others are No. 22 stranded. Cables are waterproof, oil-resistant, weather-resistant, tear-resistant, lightweight, and easily stripped. **Lengths under 100 ft. available only in spool sizes listed below.**

Mfr's Type	Cond.	15 ft. Spool Stock No.	15 ft. Spool NET EACH	25 ft. Spool Stock No.	25 ft. Spool NET EACH	100 ft. Spool Stock No.	100 ft. Spool NET EACH	Over 100 ft. Stock No.	Over 100 ft. NET Per 100'
*8443	3	....	....	47 T 361	.81	47 T 360	2.43	47 W 362	2.43
*8444	4	....	....	47 T 371	.96	47 T 370	2.94	47 W 372	2.94
*8445	5	....	....	47 T 381	1.14	47 T 380	3.63	47 W 382	3.63
†8446	6	47 T 311	1.03	....	....	47 T 310	5.29	47 W 312	5.29
†8447	7	47 T 321	1.13	....	....	47 T 320	6.03	47 W 322	6.03
†8448	8	47 T 331	1.18	....	....	47 T 330	6.27	47 W 332	6.27
†8449	9	47 T 341	1.27	....	....	47 T 340	7.01	47 W 342	7.01

SHIELDED P.A. AND SOUND SYSTEM CABLE

of gauges, insulations, shieldings and for public address and intercom use ve tinned copper conductors except 8799, eled copper. *Indicates polyethylene in- ted conductors, aluminum "Mylar" d shield, stranded tinned copper ground Chrome vinyl jacket. §Spiral-wrapped tinned shield ‡Braided shield as jacket. †Vinyl insulated conductors. 8432 has rubber ted conductors with cotton braid. 8799 has cotton wrap, braid. No anded conductors: 8761, 8771 (7x30). No. 20 stranded: 8432 (10x 762, 8772 (7x28). No. 18 stranded: 8760, 8770 (16x30); 8789, 8790, 7x26). No. 18 solid: 8799. No. 16 stranded: 8779, 8780 (19x29).

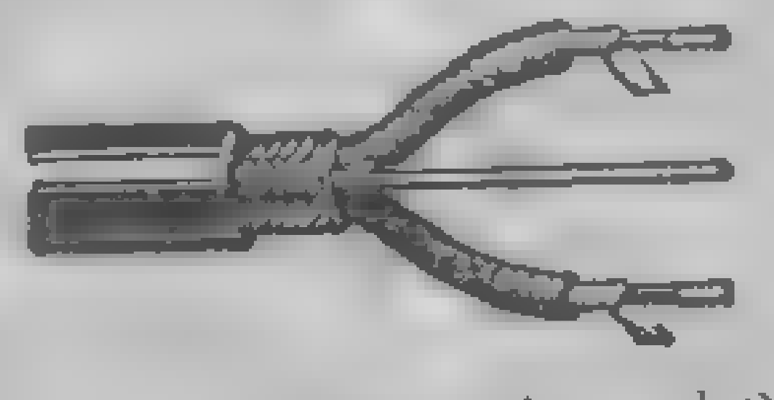
Stock No.	Mfr's Type	Cond.	O.D.	Lbs., 100 ft.	PER FOOT	100 Ft. For
W 884	8432‡	2	.225"	3½	7½¢	6.27
W 753	8760*#	2	.222"	3	5¢	3.79
W 754	8761*#	2	.167"	1¾	3¢	2.47
W 809	8762*#	2	.184"	3	4¢	3.38
W 755	8770*#	3	.236"	3¾	6¢	4.63
W 756	8771*#	3	.175"	2	3½¢	2.94
W 757	8772*#	3	.200"	3	4½¢	3.67
W 814	8779†‡	2	.225"	4½	6¢	5.14
W 815	8780†#§	2	.266"	5	7¢	5.59
W 865	8789†‡	2	.205"	3	5¢	4.21
W 803	8790†#§	2	.231"	4	5¢	4.36
W 804	8791†#§	3	.236"	4¼	6¢	5.29
W 885	8799‡	2	.165"	3	5¢	4.41

UNSHIELDED P.A. AND SOUND SYSTEM CABLE

PA, intercom, speaker extension, alarm systems, etc High insula- resistance and precision cabling assure low noise circuits free from talk. Vinyl insulated conductors, untinned except §, †. All have jackets of chrome vinyl plastic except 8481, 8482, 8483, 8460 and which are twisted lead types. *Solid copper conductors. †Stranded , § stranded (19x29).

Stock No.	Mfr's Type	Cond.	Wire Size	O.D.	Lbs., 100 ft.	PER FOOT	100 Ft. For
W 758	8481*	2	22	.112"	1	1½¢	1.25
W 878	8482*	2	19	.115"	1½	2¢	1.56
W 879	8483*	3	19	.132"	1¾	2½¢	1.91
W 805	8486*	2	19	.162"	2	2½¢	2.06
W 806	8487*	3	19	.180"	2½	3c	2.60
W 816	8460†	2	18	.175"	1	3c	2.20
W 817	8461†	2	18	.226"	3	4c	3.09
W 818	8470§	2	16	.195"	2¾	3½c	2.79
W 819	8471§	2	16	.256"	4	5c	3.92

2-CONDUCTOR BROADCAST AUDIO CABLE

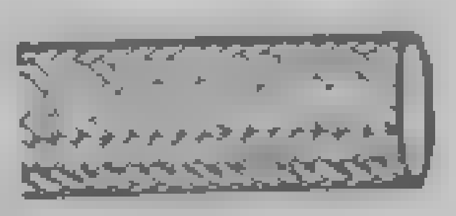


C type 8436 has Celanese wrap, braid. CBS es 8437, 8441 have vinyl insulated conduc . Standard type 8440 has enameled, cotton pped, braided conductors. Miniature cables 8450, 8451 have polypropylene insulated con ductors, spiral-wrapped aluminum-"Mylar" shield. Others have spiral-wrapped tinned shield except *braided tinned shield. All have tinned drain wire; also lack vinyl jacket except †chrome vinyl jacket. All No. 22 AWG conductors.

Stock No.	Mfr's Type	Stranding	O. D.	Lbs. 100 ft.	PER FOOT	100 Ft. For
48 W 859	8436	Solid	.180"	2	5½¢	4.65
48 W 886	8437*	Solid	.200"	3½	4½¢	3.77
48 W 889	8440†	16x34	.185"	3	5½¢	4.51
49 W 841	8441*	Solid	.210"	3	5½¢	4.41
49 W 373	8450	Solid	.118"	1½	3¢	2.20
49 W 374	8451	7x30	.135"	1¾	3½¢	2.94

COPPER BRAID SHIELDING AND BONDING CABLE

Type	I. D.	Stranding
660	⅛"	96x34
668	11/64"	120x34
663	¼"	160x34
661	⅜"	192x34
669	½"	336x34
662	25/32"	576x34



Flexible, braided and tinned copper for shielding conductors and cables. Useful for forming TVI-proof, metal-to-metal bonding. Braided in tubular form for easy slip-on installation over wiring. Av. shpg wt., per 50 ft., 1½ lbs. **Lengths under 50 ft. available only in 10 ft. spools.**

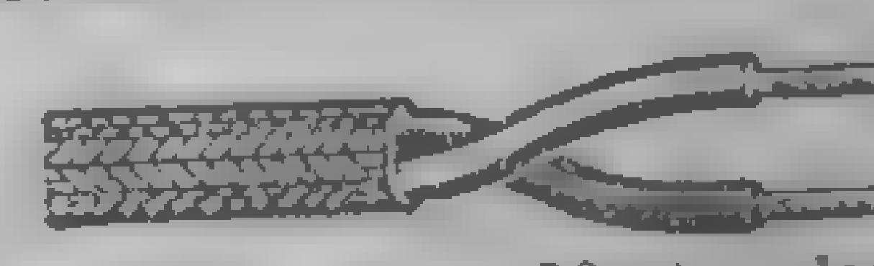
Mfr's Type	10 ft. Spool Stock No.	10 ft. Spool NET	50 ft. Spool Stock No.	50 ft. Spool NET	100 ft. or more Stock No.	100 ft. or more Per 100'
8660	49 T 351	.50	49 T 350	1.47	49 W 352	2.65
8668	49 T 356	.68	49 T 355	2.02	49 W 357	3.53
8661	49 T 361	.67	49 T 360	2.30	49 W 362	4.12
8669	49 T 366	1.18	49 T 365	5.39	49 W 367	9.76
8662	49 T 381	1.55	49 T 380	6.91	49 W 382	13.52
8663	49 T 842	.59	49 T 843	1.86	49 W 844	3.23

PAIRED VINYL-COVERED CABLE

For intercom and telephone wiring No. 22 solid tinned copper; color-coded vinyl plastic insulation. Conductors are cabled in twisted pairs; chrome vinyl plastic overall. Provide a quiet circuit, free from crosstalk. Vinyl plastic insulation for high dielectric strength and the best physical properties such as free stripping, small diameter and tear resistance.

Stock No.	Mfr's Type	Conductors	O.D.	Lbs. 100 ft.	PER FOOT	100' or more, PER 100'
48 W 890	8740	2	.150"	1¼	2¢	1.76
48 W 891	8741	4	.201"	2½	3½¢	2.89
48 W 892	8742	6	.240"	3½	5¢	3.82
48 W 759	8757	8	.255"	4	5¢	4.26
48 W 893	8743	12	.305"	4¾	7¢	5.88
48 W 894	8744	18	.354"	6½	9½¢	7.94
48 W 898	8753	22	.384"	8	13¢	10.73
49 W 845	8754	26	.409"	11	15¢	12.15
48 W 895	8745	30	.420"	10	16¢	13.67
49 W 846	8755	38	.480"	15	23¢	19.11
49 W 847	8756	46	.510"	17¼	28¢	22.78
48 W 896	8746	51	.550"	17	30¢	24.99
48 W 776	8751	102	.745"	33	94¢	80.85

2-CONDUCTOR SHIELDED INTERCOM CABLE



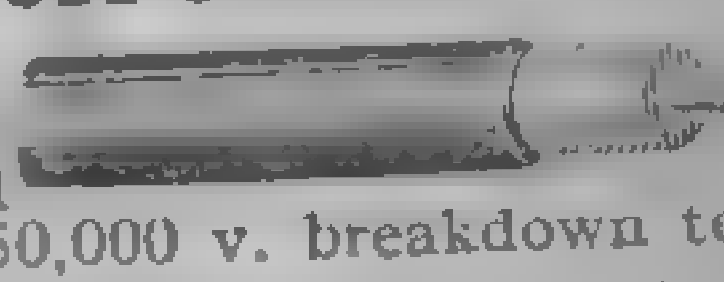
All have vinyl plastic insulation, jackets; except 8738, 8758 have copper braid jackets Tinned conductors *Tinned copper spiral-wrapped shield. Black/red coding. 8737 is No. 22 stranded (7x30); 8758, 8759 are No. 20 stranded (7x28); 8738, 8739 are No. 22 solid.

Stock No.	Mfr's Type	O.D.	Lbs., 100 ft.	PER FOOT	100' or more, PER 100'
48 W 877	8737*	.170"	2¼	4¢	3.53
48 W 882	8738	.130"	2	3¢	2.50
48 W 801	8758	.165"	2½	3½¢	2.94
48 W 802	8759*	.195"	2¾	5¢	3.67
48 W 883	8739*	.160"	2¼	3½¢	2.89

TYPE 8434 STRAIN GAUGE CABLE

Small-diameter, light weight cable for mike, power supply cables, etc. Each No. 25 (7x33) conductor has 4 Copperweld strands for improved tensile strength, polyethylene insulation for consistent low capacitance. Inner pair under aluminum-"Mylar" shield, with outer pair and ground wire under another overall aluminum-"Mylar" shield, chrome vinyl jacket. O.D., .169". Shpg. wt., 100 ft., 1½ lbs.
49 W 890. NET PER FT...5½¢ 100' or More, PER 100'....4.56

TYPE 8868 CATHODE-RAY TUBE CABLE



High dielectric strength, corona resistance and minimum surface leakage. No. 22 (7x30) tinned copper; polyethylene insulated with red vinyl jacket. .065" insulation; 25,000 v. working, 50,000 v. breakdown test. O.D. .150". Shpg. wt., 100 ft., 1¾ lbs.
47 T 897. 25-ft. Spool. NET..........................73c
47 T 896. 100-ft. Spool. NET..........................1.86

RG HIGH-FREQUENCY CABLE

All cables have low-loss, flexible, polyethylene plastic inner jacket, covered with copper braid shield. All have black vinyl plastic outer jacket overall, except RG-9/U has gray plastic jacket and silver-coated copper shielding. Impervious to acids, alkalis, oils and gasoline. RG-8/U and RG-9/U are medium-sized video and communications cable. RG-11/U is medium-size 75-ohm video and communications cable. RG-58/U is ideal for radio-frequency transmission, video applications, test equipment, etc. *Solid copper; others stranded. See connector section for cable connector listings.

Stock No.	RG No.	Mfrs Type	Imp.	Mmf ft	O. D.	Lbs. 100 ft.	PER FT.	100 Ft. For
49 W 891	5A/U	8264	50	28.5	.328"	9.2	30¢	24.94
47 W 511	8/U	8237	52	29.5	.405"	12	15¢	12.15
49 W 892	8A/U	8267	50	28.5	.405"	11¼	18¢	15.14
47 W 512	9/U	8242	51	30.0	.420"	13¾	34¢	29.40
47 W 513	11/U	8238	75	20.5	.405"	11	13¢	10.98
49 W 893	11A/U	8261	75	20.5	.405"	10	17¢	14.26
47 W 516	58/U	8240*	53.5	28.5	.193"	3½	8½¢	4.85
47 W 517	58A/U	8259	50	28.5	.195"	3½	8¢	4.95
49 W 895	58C/U	8262	50	28.5	.195"	3	7¢	5.88
47 W 552	59/U	8241*	73	21	.240"	4½	9½¢	5.68
49 W 896	59B/U	8263	75	20.5	.242"	4	8¢	6.61
47 W 518	62/U	8254*	93	13.5	.238"	4	7½¢	6.03

Belden Cable and Wire

TYPE MIL-W-76A SRIR THERMOPLASTIC HOOK-UP WIRE

A general-purpose, heavy-duty, thermoplastic-insulated hook-up wire for critical electronic applications. Insulation is rated at 1000 volts rms. Made to conform to stringent government specifications. Features extremely high dielectric strength, excellent stability at high temperatures and extremely low moisture absorption. Has high flame and fungi resistance. Vinyl thermoplastic insulation (.017" thick) is virtually impervious to damage from solvents. All are tinned copper conductors. **Available in: black, brown, red, orange, yellow, green, blue, violet, gray and white (except 8520 and 8527, not available in violet or gray). Specify choice.** Av. shpg. wt. 25-ft. spool, 6 oz.; 100-ft. spool, 1 lb.; 1000-ft. spool, 5½ lbs.

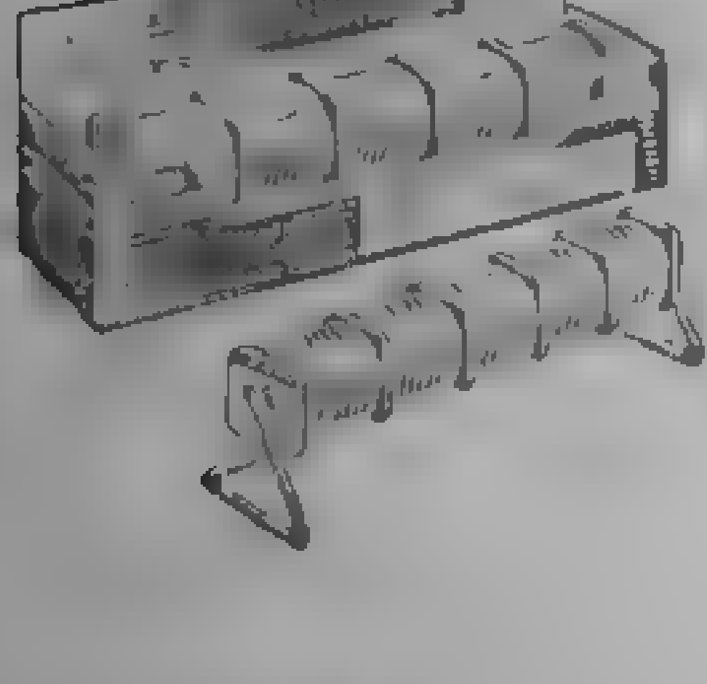
25-FOOT SPOOLS—SPECIFY COLOR

Stock No.	Mfr's Type	Size	Strands	O. D.	NET EACH
47 TT 214	8530	22	Solid	.059"	35¢
47 TT 215	8524	22	7x30	.064"	38¢
47 TT 216	8529	20	Solid	.066"	43¢
47 TT 217	8523	20	10x30	.072"	47¢
47 TT 109	8522	18	16x30	.081"	47¢

100 AND 1000-FOOT SPOOLS—SPECIFY COLOR

Mfr's Type	Size	Strands	O. D.	100' SPOOL		1000' SPOOL	
				No.	EACH	No.	EACH
8530	22	Solid	.059"	47 TT 218	.73	47 TT 222	4.41
8524	22	7x30	.064"	47 TT 219	.91	47 TT 223	5.73
8529	20	Solid	.066"	47 TT 220	.94	47 TT 224	5.29
8523	20	10x30	.072"	47 TT 221	1.03	47 TT 225	7.01
8522	18	16x30	.081"	47 TT 110	1.21	47 TT 111	8.92
8528	18	Solid	.074"	47 TT 112	1.13	47 TT 113	7.35
8521	16	19x29	.096"	47 TT 114	1.55	47 TT 115	11.61
8520	14	19x27	.111"	47 TT 116	1.96	47 TT 117	15.83
8527	12	19x25	.130"	47 TT 118	2.62	47 TT 119	22.34

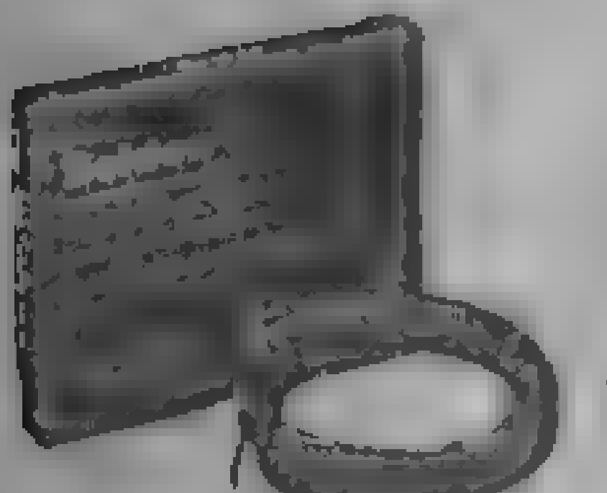
ASSORTED WIRE KITS



Type 8822. Contains ten 25-ft. spools of Type 8529 hook-up wire and a convenient dispenser rack. Colors: black, blue, green, red, white, yellow, orange, brown, gray, and violet. Shpg. wt., 2½ lbs.
47 T 226. NET......................**4.31**

Type 8824. Contains eight 25-ft. spools of Type 8523 hook-up wire and a dispenser rack. Colors: black, blue, green, red, white, yellow, orange, brown. Shpg. wt., 2¼ lbs.
47 T 227. NET......................**3.76**

POPULAR ANTENNA WIRE



High conductivity copper antenna wire. Ideal for all receiving and transmitting antenna requirements. Maximum tensile strength assures minimum stretch. *Formvar insulation protects wire from corrosion. Av. shpg. wt., per 100-ft. coil, 1 lb. **Supplied only in spool lengths shown below.**

STRANDED BARE COPPER

Type 8000—7x22			Type 8002—7x24		
Stock No.	Spool	NET	Stock No.	Spool	NET
47 T 680	50 ft.	.88	47 T 654	50 ft.	.67
47 T 681	75 ft.	1.18	47 T 655	75 ft.	.81
47 T 682	100 ft.	1.55	47 T 656	100 ft.	1.03
47 T 683	1,000 ft.	14.36	47 T 657	1,000 ft.	9.55

SOLID *FORMAR-INSULATED COPPER

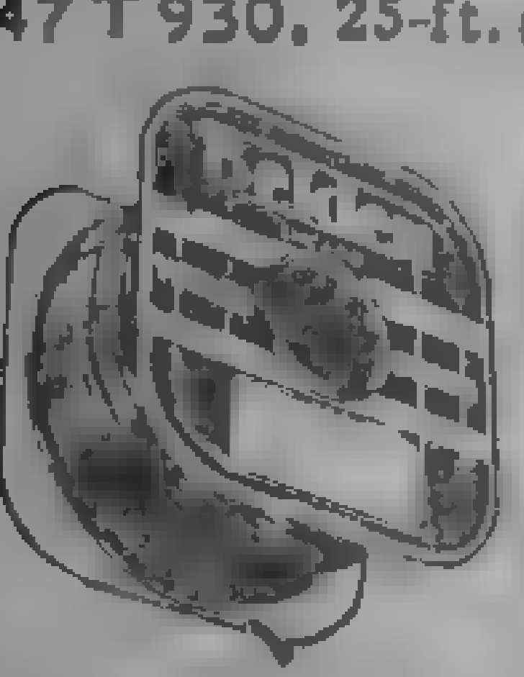
Type 8008 No. 12			Type 8009 No. 14		
47 T 670	100 ft.	2.50	47 T 740	100 ft.	1.70
47 T 735	200 ft.	4.56	47 T 742	200 ft.	3.23
47 T 736	500 ft.	10.68	47 T 741	500 ft.	7.20

INDOOR AERIAL WIRE

Type 8014. Extra flexible. No. 25 stranded (13x36), tinned copper conductor, with chrome vinyl plastic insulation. O.D., .044". Shpg. wts.: 25-ft. spool, 2 oz.; 500-ft. spool, 2 lbs.

47 T 930. 25-ft. spool. **NET 37c. 47 T 933.** 500-ft. spool. **NET 2.65**

NYLCLAD HEAVY MAGNET WIRE



Type HNC. This heavy-duty Nylclad copper magnet wire combines the most desirable features of Formvar wire with the toughness and solvent resistance of nylon enamel. Unexcelled for difficult and exacting windings of any type. Outstanding features: Withstands winding abuse and forming operations; resists solvent action of all types of thinners; resists softening and brittleness at extreme temperatures; infinite moisture resistance.

½ lb. Spool				1 lb. Spool			
Stock No.	Size	Feet	NET	Stock No.	Size	Feet	NET
48 T 036	14	40	.64	48 T 086	14	80	1.15
48 T 037	16	63	.64	48 T 087	16	126	1.15
48 T 038	18	100	.64	48 T 088	18	199	1.18
48 T 039	20	157	.65	48 T 089	20	315	1.22
48 T 040	22	250	.68	48 T 090	22	501	1.28
48 T 041	24	396	.71	48 T 091	24	793	1.35
48 T 042	26	630	.76	48 T 092	26	1260	1.49
48 T 043	28	995	.84	48 T 093	28	1990	1.62
48 T 044	30	1570	.93	48 T 094	30	3140	1.81
48 T 045	32	2440	1.02	48 T 095	32	4880	1.99
48 T 046	34	3930	1.17	48 T 096	34	7860	2.28
48 T 047	36	6200	1.43	48 T 097	36	12400	2.86
48 T 048	38	9700	1.78	48 T 098	38	19400	3.61
48 T 049	40	16050	2.65	48 T 099	40	32100	5.37

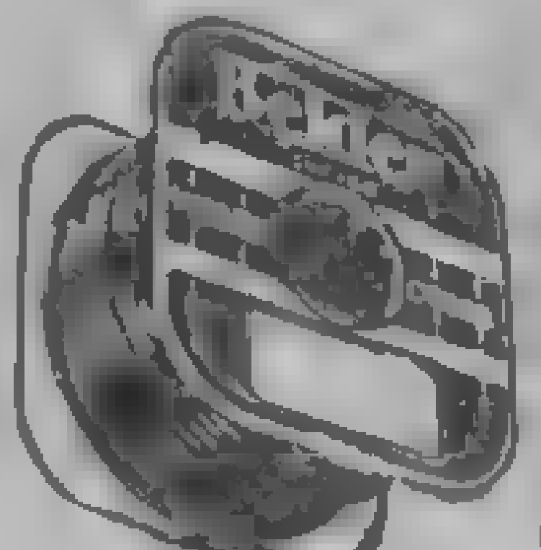
HIGH-TEMPERATURE THERMOPLASTIC HOOK-UP WIRE

Type B Mil-W-16878-C. For general use in temperatures of up to 212 degrees F. and with voltages up t 600 volts rms. Vinyl thermoplastic insulation (.010" resists damage from solvents. Conductors are strande tinned copper. Supplied on durable spools for mo convenient storage and use. A color designation such a "wh/black" indicates white body color and black striping. **Available in 9 colors: wh/black, wh/brown wh/red, wh/orange, wh/yellow, wh/green, wh blue, wh/violet, wh/gray.** Av. shpg. wt.: 100-f spool, ½ lb.; 1000-ft. spool, 4¾ lbs. **Available only in lengths show below.**

100 AND 1000-FOOT SPOOLS—SPECIFY COLOR

Mfr's Type	Size	Strands	O.D.	100' Spool		1000' Spool	
				No.	EACH	No.	EACH
8501	18	7x26	.068"	47 TT 260	1.47	47 TT 264	11.1
8502	20	7x28	.058"	47 TT 261	1.29	47 TT 265	9.51
8503	22	7x30	.050"	47 TT 262	1.25	47 TT 266	8.8
8504	24	7x32	.044"	47 TT 263	1.21	47 TT 267	7.94

CELLULOSE ACETATE HOOK-UP WIRE



Single, tinned copper conductor, with heavy cellulos acetate yarn wrap and cellulose yarn braid. Ideal fo RF circuits where low-loss properties are required. Ha fungus and flame resistant lacquer coating. 1000 v. AC breakdown voltage. DC insulation resistance is 20 megs/ft. Type 8943 is 10x30, type 8947 is 16x30, typ 8942 is 26x30, type 8938 is 41x30. Type 8941 has .07 O.D., Type 8943 has .076" O.D., Type 8945 has .08 O.D., Type 8947 has .087" O.D., Type 8942 has .09 O.D., Type 8938 has .115" O.D. Av. shpg. wt. per 100 ft.: no. 20, ½ lb no. 18, ½ lb.; no. 16, 1 lb.; no. 14, 1½ lb. **Only in lengths shown.**

TYPE 8941—20 SOLID

Spool	Red	Black	Blue	Green	Yellow	EACH
25 Ft.	48 T 331	48 T 330	48 T 332	48 T 333	48 T 334	.62
100 Ft.	47 T 920	47 T 921	47 T 922	47 T 923	47 T 924	1.59
1000 Ft.	48 T 351	48 T 350	48 T 352	48 T 353	48 T 354	11.7

TYPE 8943—20 STRANDED

25 Ft.	48 T 361	48 T 360	48 T 362	48 T 363	48 T 364	.62
100 Ft.	47 T 940	47 T 941	47 T 942	47 T 943	47 T 944	1.6
1000 Ft.	48 T 381	48 T 380	48 T 382	48 T 383	48 T 384	12.4

TYPE 8945—18 SOLID

47 T 900. Red.
47 T 901. Black.
47 T 902. Blue.
47 T 903. Green.
47 T 904. Yellow.

100-Ft. Spools **NET EACH 1.70**

TYPE 8947—18 STRANDED

47 T 910. Red
47 T 911. Black.
47 T 912. Blue.
47 T 913. Green.
47 T 914. Yellow.

100-Ft. Spoo **NET EACH 1.84**

TYPE 8942—16 STRANDED

47 T 916. Black.
47 T 917. Red.
47 T 918. Green.

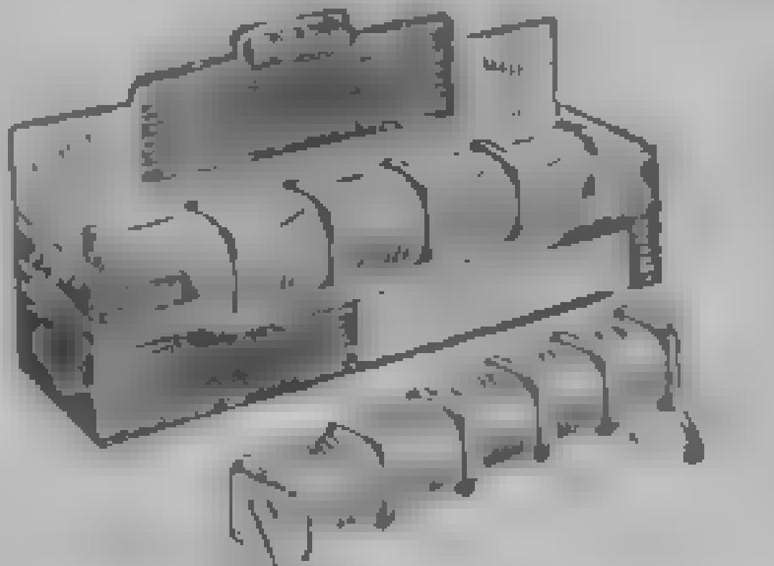
100-Ft. Spools **NET EACH 2.16**

TYPE 8938—14 STRANDED

47 T 935. Red.
47 T 936. Black.

100-Ft. Spool **NET EACH 2.89**

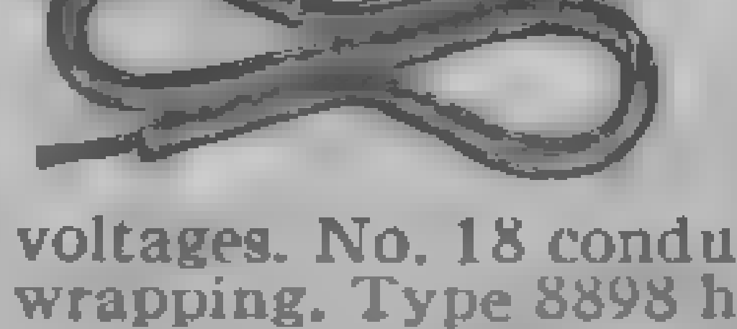
ASSORTED WIRE KITS



Type 8818. Handy kit contains eight 25-ft. spools of Type 8941 solid hook-up and lead wire in colors. With convenient dispenser. Color black, blue, green, red, white, yellow, orange, and brown. Shpg. wt., 2 lbs.
47 T 228. NET......................**4.94**

Type 8820. Contains eight 25-ft. spools of Type 8943 stranded hook-up wire and dispenser Same colors as above. Wt., 2 lbs.
47 T 229. NET **4.9**

TEST PROD WIRE



Rubber-covered lead designed for use with tes equipment where a limp, flexible conductor i necessary. Made to withstand extremely hig voltages. No. 18 conductor is 65x36 stranded tinned copper with cotto wrapping. Type 8898 has .230" O.D. and .088" rubber insulation. 10,00 v. working voltage, 29,000 v. puncture voltage. Type 8899 has .144" O.D. and .045" rubber insulation. 5000 v. working voltage, 20,000 v. puncture voltage. Shpg. wt. per 100 ft.: 8898, 4 lbs.; 8899, 2 lbs. **Lengths under 100 ft. are available only in 10 and 25-ft. spools.**

TYPE 8898				TYPE 8899			
Stock No.	Color	Length	Ea.	Stock No.	Color	Length	Ea.
47 T 811	Red	10 ft. spool	.71	48 T 911	Red	10 ft. spool	.47
47 T 801	Black	10 ft. spool	.71	48 T 901	Black	10 ft. spool	.47
47 T 812	Red	25 ft. spool	1.25	48 T 912	Red	25 ft. spool	.81
47 T 802	Black	25 ft. spool	1.25	48 T 902	Black	25 ft. spool	.81
47 T 810	Red	100 ft. spool	3.53	48 T 910	Red	100 ft. spool	2.35
47 T 800	Black	100 ft. spool	3.53	48 T 900	Black	100 ft. spool	2.35
47 W 813 47 W 803	Red Black	Over 100'. PER 100'	3.53	48 W 913 48 W 903	Red Black	Over 100' PER 100'	2.35

LITZ WIRE

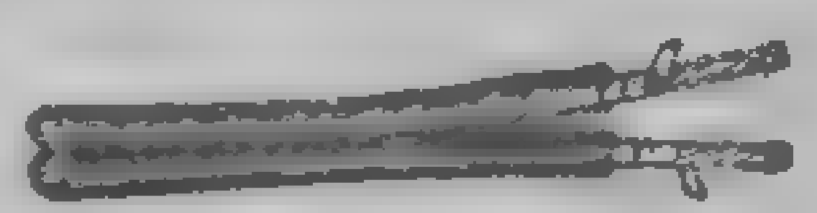
Type 8817. 5x44 stranded copper Cel-enamel insulated with one nylon wrap. Specifically made for rewinding antenna primaries, hand-winding RF coils, IF coils, and similar radio frequency applications. Outside diameter: .008". 100-ft. spool. Shpg. wt., 2 oz.
48 T 981. NET......................................**29c**

RUBBER-COVERED LEAD-IN

Type 8200. Flexible No. 18 tinned copper wire, stranded (7x27), with .040" live rubber insulation. Overall diameter, .126". Av. shpg. wt., 100-ft. spool, 1½ lbs.

47 T 746. 500-ft. Spool **NET 6.32. 47 T 745.** 100-ft. Spool. **NET 1.62**

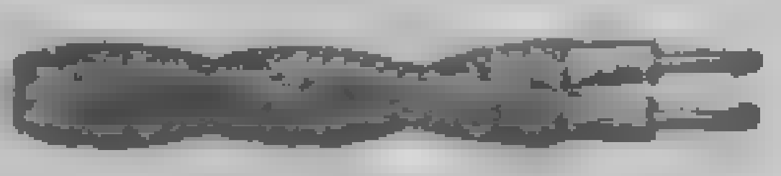
POSJ AND POT TYPE LAMP CORD



stranded copper wire. POSJ has onductors and heavy rubber jacket. s vinyl insulation. Shpg. wt., 3 lbs. ft. **Lengths under 100 feet are e only in 25-ft. coil.**

Color	25 ft. Coil		100 ft. Coil		Over 100 ft.	
	Stk. No.	NET	Stk. No.	NET	Stk. No.	PER 100′
Brown	48 T 761	73¢	48 T 760	2.70	48 W 763	2.70
Black	48 T 771	73¢	48 T 770	2.70	48 W 773	2.70
Gray	48 T 781	73¢	48 T 782	2.70	48 W 783	2.70
Brown	48 T 765	63¢	48 T 764	2.33	48 W 766	2.33
White	48 T 768	63¢	48 T 769	2.33	48 W 767	2.33
Gray	48 T 784	63¢	48 T 785	2.33	48 W 786	2.33

TELEPHONE WIRE



ductor Interior. For interior th telephones, intercoms, etc. solid, tinned copper wire. ¼″ on and glazed cotton braid. wt., 100 ft., 2½ lbs.

910. PER FOOT..4¢. 100 ft. or More, PER 100 FT..3.73

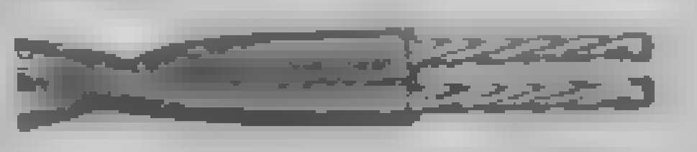
ductor Exterior. No. 22 solid tinned copper wire. Each conductor ber insulation; overall black, weatherproof braid. Shpg. wt., 100 bs.

926. PER FOOT..4¢. 100 ft. or More, PER 100 FT..3.38

ductor Exterior. As above, but 3-cond. Wt., 100′, 4 lbs.

925. PER FOOT.5½¢. 100 ft. or More, PER 100 FT..5.08

TWISTED-PAIR ANTENNA LEAD-IN



uality, twisted-pair antenna lead-in wire. ed especially for use with noise-reducing, t-type receiving antennas. Close imped- atch assures efficient signal transfer. Consists of two flexible No. anded-wire conductors with tough, long-life rubber insulation. k. Weatherproof; does not crumble or dry out during prolonged Shpg. wt., 100 ft., 3 lbs.

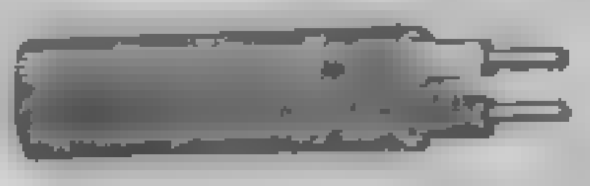
850. PER FOOT....3c 100 ft. or More, PER 100 FT.2.56

ROME FLEXALL CABLE

metallic sheathed waterproof and stant cable—designed specifically nal in the earth. Has 2 No. 14 re conductors insulated with Type TW thermoplastic. An all glass rap covers both conductors and a synthenol plastic sheath covers ire cable. Ideal for outside lighting and speaker systems. Excellent trical feeders and branch circuits from house to garage or barn as to post or yard lights. Eliminates overhead wiring. Capacity ps. Rated at 600 volts. U.L. Approved. Size, 200x 350″. Shpg. wt., 7¼ lbs.

594. PER FOOT..9c 100 ft. or More, PER 100 FT..8.52

ROME ROFLEX CABLE



ductor cable for indoor or outdoor use. ly suited for long speaker lines as well as for rical feeders or branch circuits in power wiring. Excellent for ing temporary or permanent extension power line installations for rs, power tools, etc. Color-coded No. 14 solid wire conductors have able, heat resistant, thermoplastic insulation with plastic sheath ering entire cable. Current capacity is 15 amp. Rated at 600 volts. Approved. Sizes, .230x.410″. Shpg. wt., 100 ft., 7 lbs.

W 549. PER FOOT..7c 100 ft. or More, PER 100 FT..6.23

STEREO PICKUP ARM CABLES

h-quality phono pickup arm cables of ex- ional flexibility. For record changers and tables. No. 32 stranded (7x40) copper con- tor with .009″ vinyl plastic insulation. O. .055″. Extremely light in weight, cables have minimum effect on lus tracking force and lateral arm movement. Types 1479, 1406, 1407, 1410 have braided tinned copper shield for minimizing the possibil- of hum pickup. Av. shpg. wt.: 10 ft., 4 oz.; 25 ft., 6 oz.; 250 ft., 1 lb.

UNSHIELDED WIRE

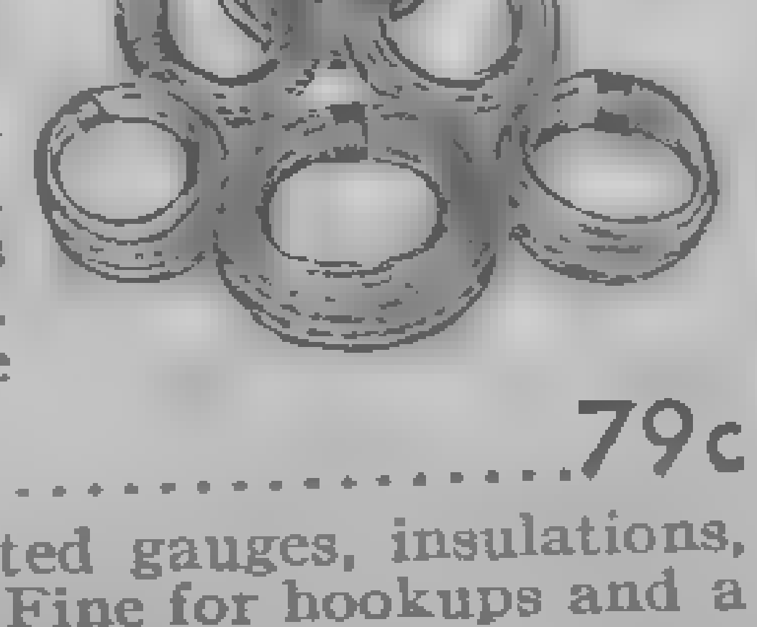
r's Type	Cond.	10-Ft. Coil		25-Ft. Coil		250-Ft. Coil	
		Stock No.	NET	Stock No.	NET	Stock No.	NET
1478	2	48 T 523	.32	48 T 524	.44	48 T 525	3.00
1401	3	48 T 526	.38	48 T 527	.90	48 T 528	8.25
1402	4	48 T 529	.53	48 T 533	1.20	48 T 534	11.25

SHIELDED WIRE

dividually shielded conductors.

1479	2	48 T 535	.45	48 T 536	.83	48 T 537	6.00
1406	3	48 T 538	.60	48 T 539	1.28	48 T 543	12.00
1407	4	48 T 544	.68	48 T 545	1.50	48 T 546	13.50
1410	2*	48 T 547	.60	48 T 548	1.35	48 T 549	12.75

ASSORTED HOOK-UP WIRE



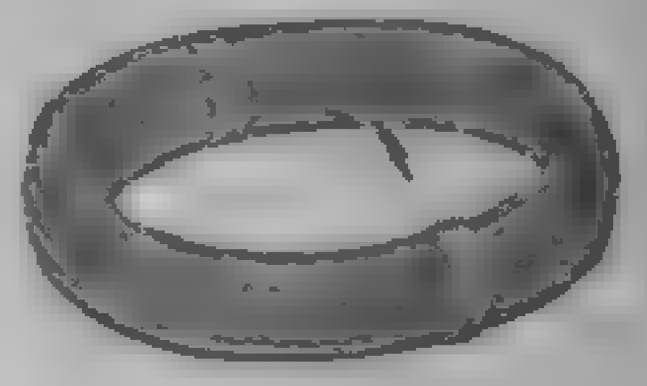
x 25-ft. Coils. High efficiency, stranded opper wire—some tinned, some untinned. Ideal r use where high conductivity with negligible s is essential. Unusually flexible and durable. assorted gauges, colors and insulation. De- gned for the chassis and sub-chassis wiring radio and television receivers and transmitters s well as all other types of electronic equipment. specially suited where resistance to moisture nd heat is required. Shpg. wt., 1 lb.

49 T 344. NET PER PKG. 79c

Five 100-ft. Coils. Kit includes wire in assorted gauges, insulations, olors. Stranded copper—tinned and untinned. Fine for hookups and a ide variety of other applications. Shpg. wt., 2½ lbs.

49 T 345. NET PER PKG. 2.25

THERMOPLASTIC HOOK-UP WIRE



U.L. Approved. Voltage breakdown test, 10,000 volts. Oil and acid resistant. Withstands temperatures up to 80° C. Suitable for high-voltage circuits where low loss and proper insulation is essential. Shpg. wt., per 25 ft. spool, 4 oz.

20 SOLID

48 T 455. Black.
48 T 456. Red.
48 T 457. Blue.
48 T 458. Green.
48 T 459. Yellow.

25 FOOT SPOOL 29c EACH

20 STRANDED

48 T 460. Black.
48 T 461. Red.
48 T 462. Blue.
48 T 463. Green.
48 T 464. Yellow.

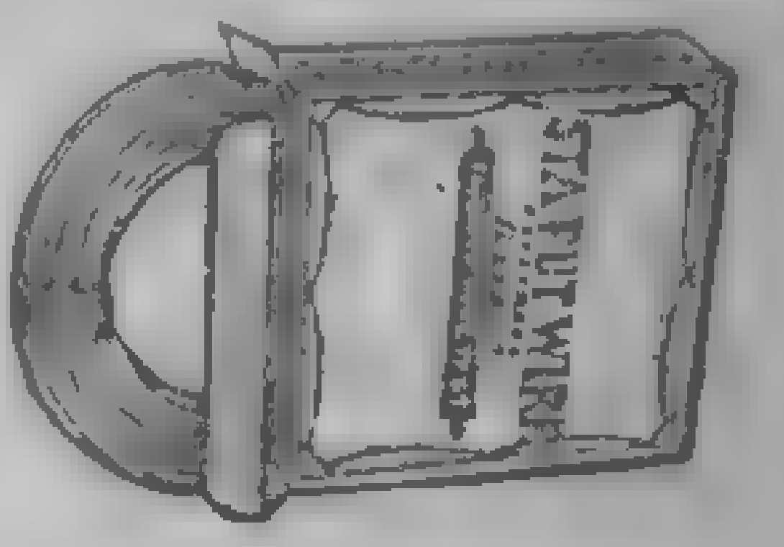
26 FOOT SPOOL 34c EACH

STRANDED HOOK-UP WIRE

No. 18 tinned soft drawn copper wire. Cotton wrap and colored rubber insulation overall. Excellent for general wiring in radio-TV chassis, switchboards, etc. Shpg. wt., 25 ft., 5 oz.

Spool	Black	Red	Blue	Green	White	EACH
25 ft.	48 T 200	48 T 201	48 T 202	48 T 203	48 T 205	48¢

PUSH-BACK HOOK-UP WIRE



Highest quality tinned push-back hook-up wire, No. 20. Only evenly-drawn pure copper wire is used. Insulation easily pushed back for convenient wiring. Available in both solid and stranded type. Unusually flexible and durable. Double-cotton covered with paraffin-treated damp-proof braid. 5 different colors. Shpg. wts.: 25 ft., 4 oz.; 100 ft., 1 lb.

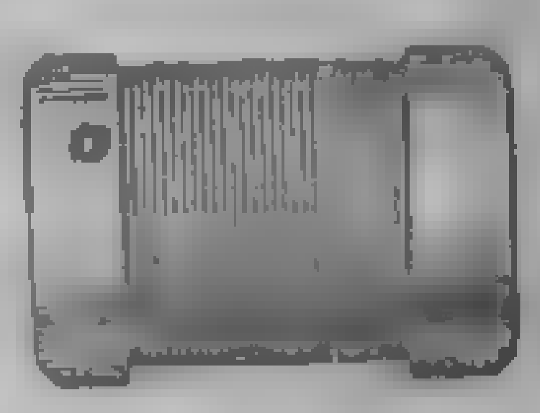
STRANDED TYPE, 10x30

Spool	Red	Black	Yellow	Blue	Green	EACH
25 ft.	48 T 442	48 T 440	48 T 444	48 T 441	48 T 443	.36
100 ft.	48 T 447	48 T 445	48 T 449	48 T 446	48 T 448	1.29

SOLID TYPE

Spool	Red	Black	Yellow	Blue	Green	EACH
25 ft.	48 T 472	48 T 470	48 T 474	48 T 471	48 T 473	.34
100 ft.	48 T 477	48 T 475	48 T 479	48 T 476	48 T 478	1.26

HIGH-GRADE MAGNET WIRE ON SPOOLS



Insulated, soft-drawn copper wire of highest quality. Specially manufactured for all types of coil winding applications—transformers, RF coils, chokes, etc. All sizes indicated below are standard B&S gauge. Shpg. wts.: ½-lb. spool, 14 oz.; 1-lb. spool, 1½ lbs.

PLAIN ENAMELED ½ LB. SPOOLS

Stock No.	Size	Feet	NET	Stock No.	Size	Feet	NET
48 T 100	14	38	.60	48 T 111	26	640	.71
48 T 102	16	63	.60	48 T 112	28	1013	.75
48 T 104	18	101	.62	48 T 113	30	1602	.83
48 T 106	20	159	.62	48 T 114	32	2543	.84
48 T 108	22	253	.65	48 T 115	34	4042	.92
48 T 109	24	402	.65	48 T 116	36	6410	.92

SINGLE COTTON ENAMELED 1 LB. SPOOLS

48 T 020	14	78	1.44	48 T 028	22	490	1.91
48 T 022	16	124	1.50	48 T 029	24	772	1.95
48 T 023	17	156	1.56	48 T 030	25	936	2.07
48 T 024	18	198	1.62	48 T 031	26	1209	2.19
48 T 025	19	248	1.70	48 T 032	28	1876	2.63
48 T 026	20	312	1.79	48 T 033	30	2780	3.08

HEAVY FORMVAR MAGNET WIRE IN 1-POUND SPOOLS

Copper magnet wire covered with Formvar; tough, sturdy, abrasion-resisting film. Stable dielectric is maintained under the cumulative drying and aging effects of heat; does not fail after two hours at 105° C. Impervious to the deteriorating effects of petroleum solvents; resists acid and alkali. Takes up less winding space. Infinite resistance to moisture. Ideal for servicemen, experimenters, Amateurs, etc. Replaces enamel, paper, cotton, silk, and double cotton and double silk wire.. Shpg. wt., per spool, 1½ lbs.

Stock No.	Size	Feet	NET	Stock No.	Size	Feet	NET
48 T 180	14	78	1.13	48 T 187	28	1999	1.59
48 T 137	15	99	1.13	48 T 144	29	2780	1.77
48 T 181	16	124	1.13	48 T 188	30	3200	1.79
48 T 138	17	156	1.14	48 T 145	31	4410	2.03
48 T 182	18	198	1.14	48 T 189	32	4900	2.04
48 T 139	19	246	1.19	48 T 146	33	6441	2.16
48 T 183	20	313	1.20	48 T 190	34	7950	2.19
48 T 140	21	397	1.26	48 T 147	35	9002	2.51
48 T 184	22	501	1.26	48 T 191	36	12,800	2.54
48 T 141	23	628	1.34	48 T 148	37	15,898	3.45
48 T 185	24	798	1.34	48 T 192	38	20,000	3.51
48 T 142	25	941	1.43	48 T 149	39	25,188	5.37
48 T 186	26	1200	1.46	48 T 193	40	31,700	5.45
48 T 143	27	1583	1.56				

TINNED SOLID COPPER WIRE

Fine quality, soft-drawn copper wire, tinned for easy soldering. Excellent for circuit wiring. Av. shpg. wt.: *3 lbs., †5 lbs.

*100-FT. COILS

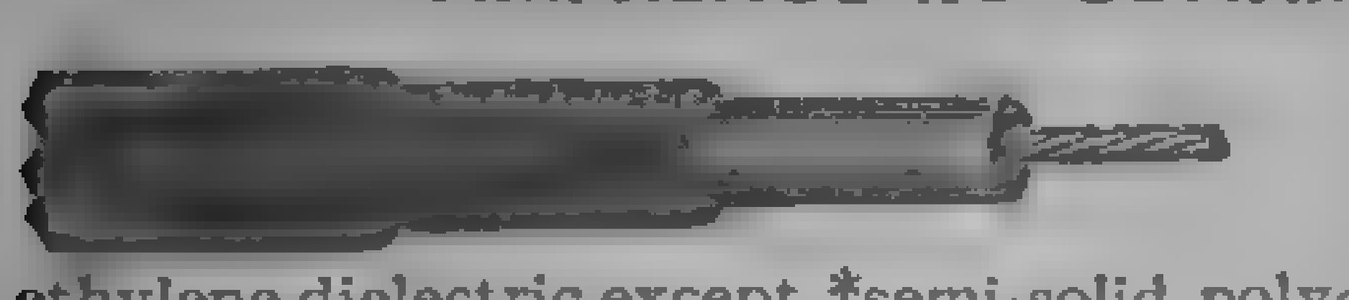
Stock No.	Gauge	NET	Stock No.	Gauge	NET
47 T 523	16	1.05	47 T 530	12	1.98
47 T 520	14	1.43	47 T 540	10	4.28

†1000-FT. SPOOLS

47 T 525	24	2.55	47 T 533	20	4.13
47 T 527	22	3.38	47 T 535	18	6.75

Coaxial Cable, Cords and Tubing

AMPHENOL RG COAXIAL CABLE



Low-loss coaxial cable for RF applications. All meet rigid military and commercial specs. Have vinyl jacket and polyethylene dielectric except *semi-solid polyethylene dielectric and †teflon dielectric. Teflon types operate at temperature ranges from −74 to +200° C., making them ideal for aircraft and guided missile applications. All are highly resistant to weather, acid, alkalis, and gasoline.

Stock No.	RG No.	Imp., Ohms	Mmf Per Ft.	O.D.	Lbs., 100′	1-99 Ft., PER FT.	100-499 Ft., PER FT.	500-999 Ft., PER FT.
49 W 631	6A/U	75	20	.332″	8	.213	.195	.176
49 W 632	5B/U	50	28.5	.328″	8¼	.307	.281	.253
49 W 460	8/U	52	29.5	.405″	12	.128	.119	.119
49 W 315	8A/U	52	29.5	.405″	12	.142	.132	.132
49 W 470	11/U	75	20.5	.405″	12	.119	.110	.110
49 W 317	11A/U	75	20.5	.405″	12	.132	.123	.123
49 W 633	14A/U	52	29.5	.545″	20½	.337	.308	.278
49 W 306	17/U	52	29.5	.870″	47	.637	.583	.525
49 W 318	17A/U	52	29.5	.870″	47	.664	.608	.548
49 W 634	19A/U	52	29.5	1.120″	60	1.119	1.03	.923
49 W 465	22/U	95	16	.405″	12	.173	.158	.143
49 W 637	55B/U	53.5	28.5	.206″	3½	.109	.101	.091
49 W 485	58/U	53.5	28.5	.195″	3	.053	.049	.049
49 W 487	58A/U	50	28.5	.195″	3	.053	.049	.049
49 W 319	58C/U	50	28.5	.195″	3	.058	.054	.054
49 W 490	59/U	73	21	.242″	4½	.055	.051	.051
49 W 638	59B/U	75	21	.242″	4	.063	.059	.059
49 W 488	62/U	93	13.5	.242″	4½	.058	.054	.054
49 W 321	62A/U	93	13.5	.242″	4½	.067	.062	.062
49 W 312	63/U	125	10	.405″	12	.142	.130	.130
49 W 639	71B/U*	93	13.5	.250″	4¼	.111	.101	.101
49 W 635	108A/U	78	23.5	.235″	3½	.089	.082	.074
49 W 323	114/U	185	6.5	.405″	12	.155	.141	.141
49 W 324	122/U	50	29.3	.160″	2½	.063	.058	.052
49 W 473	174/U	50	30	.100″	2	.052	.048	.048

Stock No.	RG No.	Imp., Ohms	Mmf Per Ft.	O.D.	Lbs., 100′	1-99 Ft., PER FT.	100-249 Ft., PER FT.
49 W 636	115A/U†	50	29.5	.415″	18	2.080	1.870
49 W 640	178A/U†	50	29	.075″	1	.240	.220
49 W 641	179A/U	75	19.5	.105″	1	.275	.247
49 W 642	180/U†	93	15.5	.141″	1½	.430	.390
49 W 643	210/U†	93	13.5	.242″	4	1.170	1.050

"SUB-MINAX" MINIATURIZED COAXIAL CABLE

Type 21-597. Identical to full-size coaxial cable. Has polyethylene dielectric, vinyl jacket, braided copper shield, and stranded copperweld inner conductor. 7x.0056″ construction. Imp., 75 ohms; capacitance, 20 mmf per ft. .150″ O.D. Shpg. wt., 100′, 1½ lbs.

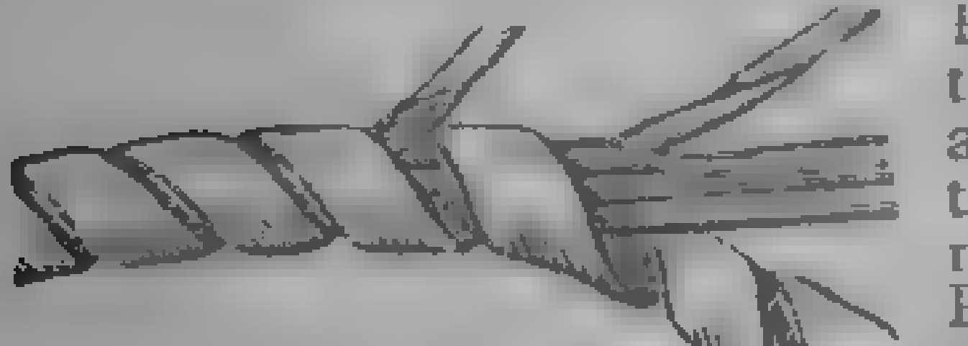
49 W 472. 100-499 Ft., PER FT....053 1-99 Ft., PER FT....058

POLYFOAM COAX AND MICROPHONE CABLE

Type 21-146 is microphone cable with polyethylene dielectric. Types 621-100, 621-111 and 621-715 are similar to types RG11/U, RG8/U and RG59/U respectively, but have polyfoam dielectric.

Stock No.	Mfr's Type	Imp., Ohms	Mmf Per Ft.	O.D.	Lbs., 100′	1-99 Ft., PER FT.	100-499 Ft., PER FT.
49 W 313	21-146	45	35	.155″	2	.049	.045
49 W 337	621-100	75	16.5	.405″	8	.144	.132
49 W 339	621-715	73	17	.195″	2	.050	.045
49 W 644	621-111	50	26.5	.405″	10.4	.156	.143

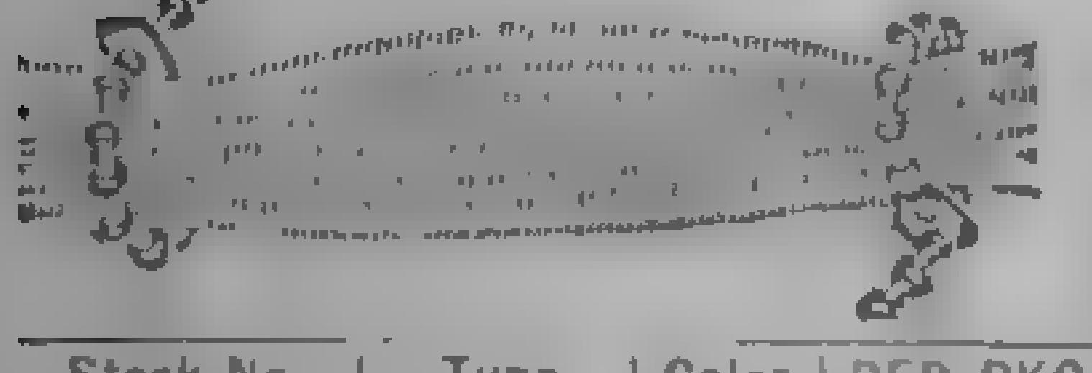
HELI-TUBE SPIRAL-CUT PLASTIC WRAPPING



Flexible, highly durable polyethylene plastic wrapping. Provides neat appearance and protection for wire harnesses from ⅛″ to 3½″ in diameter. Spiral-cut design permits instant location of individual wires Extremely easy to wind or unwind. Shpg wt., per 100 ft., 1¼ lbs

Stock No.	For Harness Dia.	Description	PER FT.
71 W 543	¼″ to 1¾″	Clear	8¢
71 W 346	⅛″ to ½″	Clear	4¢
71 W 347	¼″ to 1¾″	Fire Resistant	12¢
71 W 348	½″ to 3½″	Clear	16¢

GENERAL-CEMENT CABLE TIES



Made of high dielectric polyethylene with 45 lb. breaking point. Designed to withstand temperatures of up to +120° F. Each is 4¼″ long. Will make neat, compact harnesses as large as one inch in diameter. Shpg. wt., 2 oz. **50 per pkg.**

Stock No.	Type	Color	PER PKG.	Stock No.	Type	Color	PER PKG.
49 T 142	34-432	Red	61¢	49 T 144	34-436	Yellow	61¢
49 T 143	34-440	Blue	61¢				

WIRE MARKERS

Flat Stran Code markers provide efficient wire and cable identification. Consist of 33 numeral markers (⅜x1½″) per card in numerical sequence from 1 through 33. On cloth or .003″ soft aluminum. Pressure sensitive adhesive. Heat resistant. Card size: cloth, 2x9″; aluminum, ⅜x1½″. Shpg. wt., 3 oz.

49 T 898. Cloth. **10-49, EACH**.......21¢ **1-9, PER CARD**..23c
49 T 899. Aluminum **10-49, EACH** . 19¢ **1-9, PER CARD**...21¢

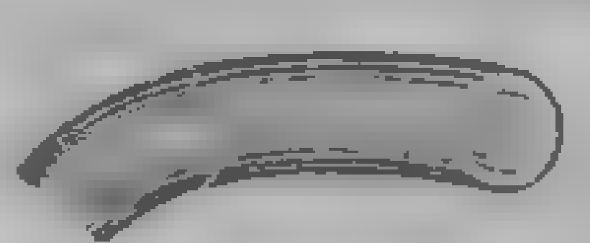
CABLE LACING CORD

Waxed linen twine for cable harness lacing. Hard-twist gray 8-cord; 50-lb. test. 1-lb. spool, 450 yds.; ½-lb. spool, 225 yds. Wts.: 1-lb. spool, 1¼ lbs.; ½-lb. spool, ¾ lb.

49 T 245. 1-lb. Spool. **NET**...... 3.18
49 T 246. ½-lb. Spool. **NET**.......... 1.68

ALPHLEX PVC-105 PLASTIC TUBING

Specify Color—In 25-Ft. Lengths



A wide selection of extruded plastic tubing for prot tionof wire and cable from effects of heat, oil, corros fungi, and abrasion. Has excellent versatility and durability. Extreme high dielectric strength remains unaffected by increasing temperatur resists temperatures from −30°C to 105°C. Conforms to military spe fications MIL-631C, ASTM-D876, and ASTM-D922. Rated at v, mil; resistance of over 1 million megohms. Tensile strength is 2 PSI. *Size indicates wire size tubing is designed to accept. Sizes 24 22 have .012″ wall thickness; all other sizes have .016″ wall thickne Available in nine popular colors: **clear, black, red, yellow, gre blue, brown, white, and orange.** Specify color. Av. shpg. wt., 25 feet, 2 oz.

*Size	Nom. I.D.	Stock No.	NET	*Size	Nom. I.D.	Stock No.	N
24	.022″	71 TT 300	76¢	16	.053″	71 TT 304	
22	.027″	71 TT 301	76¢	14	.066″	71 TT 305	
20	.034″	71 TT 302	78¢	12	.085″	71 TT 306	
18	.042″	71 TT 303	79¢				

Same tubing as described above. Size 10 has .016″ wall thickness; other sizes have .020″ wall thickness. **Available in choice of six pop lar colors: clear, black, red, yellow, green, and white—spec color.** Av. shpg. wt., 25 ft., 3 oz.

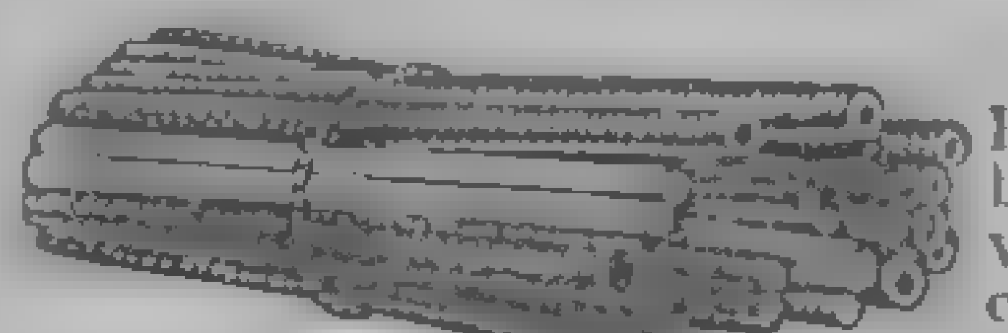
10	.106″	71 TT 314	.98	4	.208″	71 TT 317	1.
8	.133″	71 TT 315	1.21	2	.263″	71 TT 318	1
6	.166″	71 TT 316	1.38				

Wall thicknesses, size 0, .020″; *.025″; †.030″; §.035″; ‡.040″; 1½″, .04 **Choice of clear or black—specify.** Av. shpg. wt., 25 ft., 1½ lbs.

0	.330″	71 TT 324	1.91	⅞″§	.875″	71 TT 330	6.
5/16″*	.312″	71 TT 325	2.20	1″§	1.000″	71 TT 331	6.
⅜″*	.375″	71 TT 326	2.47	1¼″‡	1.250″	71 TT 332	9.
½″*	.500″	71 TT 327	2.97	1⅜″‡	1.375″	71 TT 333	10.
⅝″†	.625″	71 TT 328	4.12	1½″	1.500″	71 TT 334	12.
¾″§	.750″	71 TT 329	5.54				

VARNISHED SPAGHETTI TUBING

ASSORTED 8″ LENGTHS



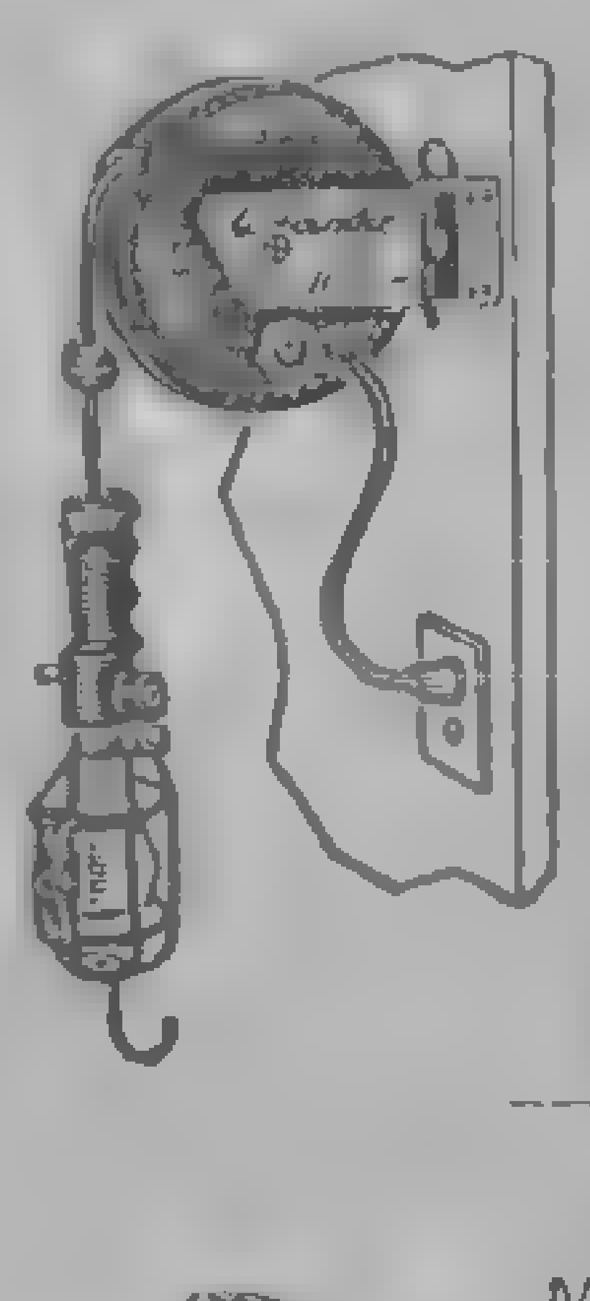
Highly popular with experimenters builders. An assortment of 26 pieces vinyl & cambric spaghetti tubing in vari colors and diameters. Shpg. wt., 3 oz.

49 T 220. 26-Piece Assortment. NET... 2

SELECTION OF 36″ LENGTHS

5 lengths to a package 4,000 v dielectric Av. shpg. wt , 2 oz

For Wire Size	Stock No.				Per Pkg.	5 or M Pkgs Per P
	Black	Yellow	Red	Green		
20	49 T 164	49 T 165	49 T 166	49 T 167	53¢	48
18	49 T 169	49 T 170	49 T 171	49 T 172	57¢	52
16	49 T 174	49 T 175	49 T 176	49 T 177	58¢	53
14	49 T 179	49 T 180	49 T 181	49 T 182	64¢	58
12	49 T 184	49 T 185	49 T 186	49 T 187	68¢	62
10	49 T 189	49 T 190	49 T 191	49 T 192	75¢	68



CORDOMATIC DROP-LIGHT REELS

Unique, self-winding drop-light. Provides light w you want it. Ideal for garage, service shop, or h workshop. Cord rolls up, out of the way, when l is no longer needed. All are equipped with No. 18 conductor cord, covered with tough, neoprene in lation. Have rugged, crack-proof handle with co venient built-in outlet and toggle switch. Chro plated reflector has sturdy, swing-open bulb gu Steel housing has universal mounting bracket mounting drop-light in any convenient location. l bulb. U.L. Approved.

Stock No.	Type	Ft.	Lbs.	NE
46 NX 976	700	20	7	14.
46 NX 977	800	30	8	18.
46 NX 978	900	40	9	22.

ELECTRICORD "REDY-REEL"

Model 5C2216-100R. Durable power cord on c venient, wind up reel assembly an extremely us electrical accessory Cord is easily extended to po outlet or it can be plugged into outlet and "walked o with reel. Appliance plugs into socket on reel. St cord tangle, saves time and prolongs life of cord. Id for use with power tools, electric garden implemen lawn mowers and in garages. Contains 100 ft. of No. 2-conductor cord, covered with tough red vinyl ins tion. Has stand made of ⅜″ steel rod, cadmium-pla for durability; reel is heavy steel. Shpg. wt., 11 lbs.

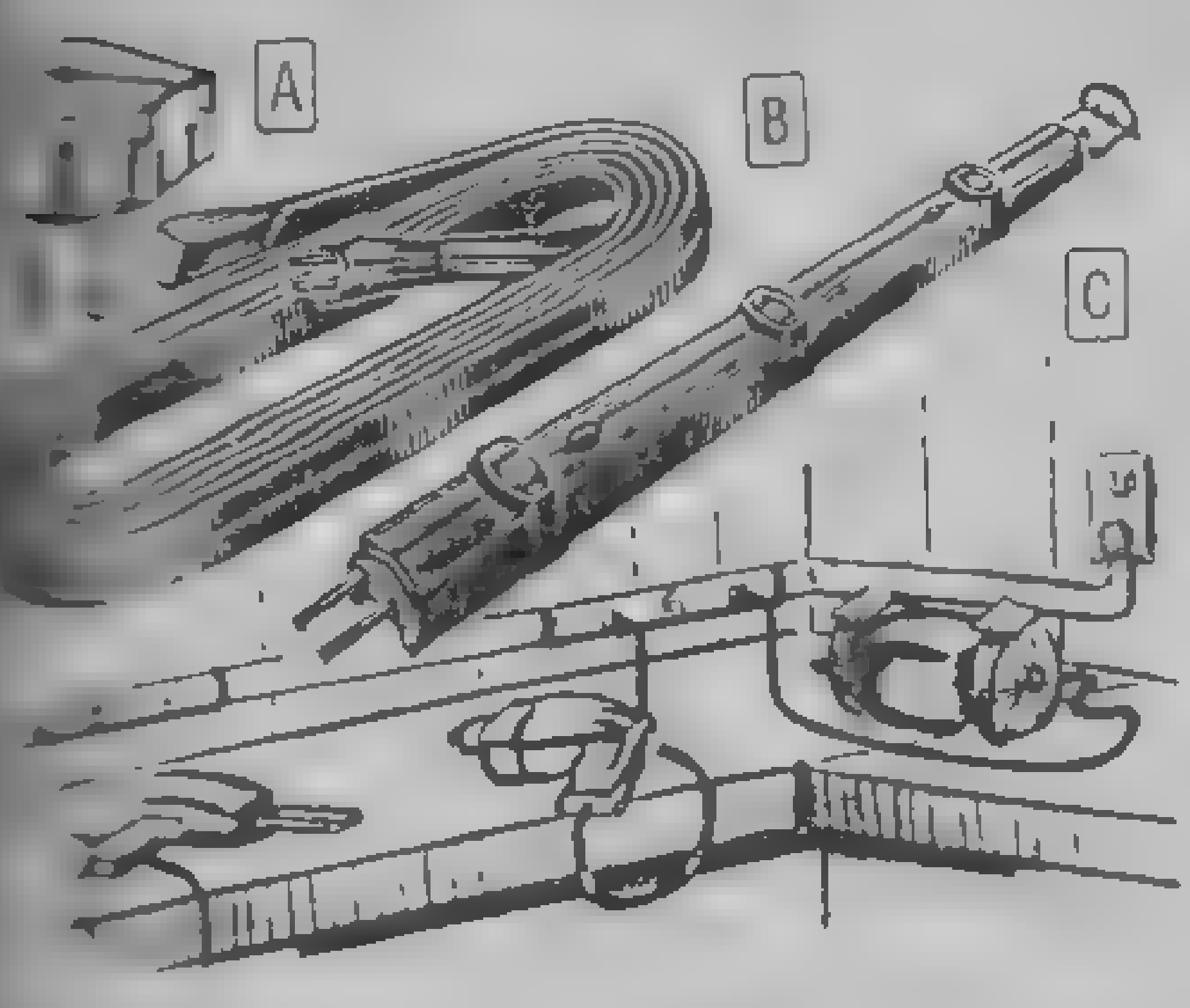
50 NX 301. NET. .... 8.

WIRE CONNECTORS

Solderless wire connectors. Simply strip t wire ends, push into connector and screw down. No tools needed. Wires cannot be pu out. Made of the finest grade of phenolic. U Approved. Av. shpg. wts.: Pkg. of 25, 5 Pkg. of 100, 1¼ lbs.

Wire Size	Stock No.	Pkg. of 25	Stock No.	Pkg. of 1
16-18	52 N 874	.24	52 N 870	.89
14-18	52 N 875	.39	52 N 871	1.21
12-18	52 N 876	.46	52 N 872	1.38
10-18	52 N 877	.89	52 N 873	2.83

"SNAP-IT" INTER-LINK ELECTRIC OUTLET KITS



..., easy way to add safe, extra outlets ...re at home, shop or factory. Simply ...ivel cap (Fig. A) into existing outlet ... it by plugging flexible link (Fig. B) ...vel cap—then plug outlet link (Fig. C) ...xible link. Flexible link and outlet ...low wall contour and fasten with nails. 15 amps at 125 v. AC. U.L. Approved.

5-Ft. Kit. Consists of swivel cap (Fig. ...t. flexible link (Fig. B) and 3-outlet link Shpg. wt. 1¾ lbs.
450. NET 2.45

-12-Ft. Kit. Consists of swivel cap (Fig. ...t. flexible link (Fig. B) 3-outlet link ... Shpg. wt. 2½ lbs.
451. NET 3.92

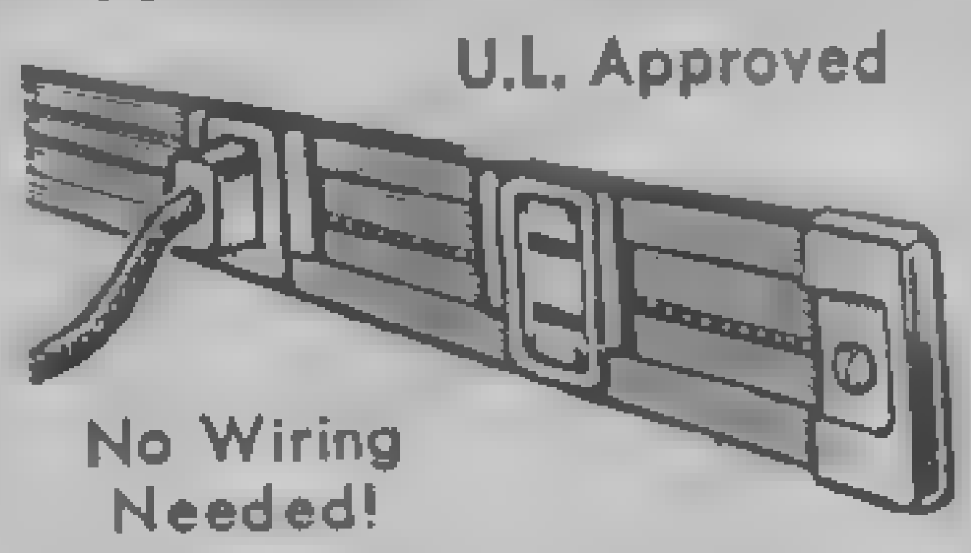
-Outlet Link. 1 lb.
N 452. NET .... .81

ACCESSORIES FOR EXTENSION USE

No.	Type	Description	Wt.	NET
453	161	Inter-Link Link	5 oz.	.73
454	164	Inter-Link Swivel Cap Plug-In	2 oz.	.41
455	183	Inter-Link 3-Ft. Flexible Link	½ lb.	.73
456	185	Inter-Link 5-Ft. Flexible Link	¾ lb.	1.22
457	191	Inter-Link 11-Ft. Flexible Link	1¼ lbs.	2.69

TROSTRIP FLEXIBLE OUTLET KIT

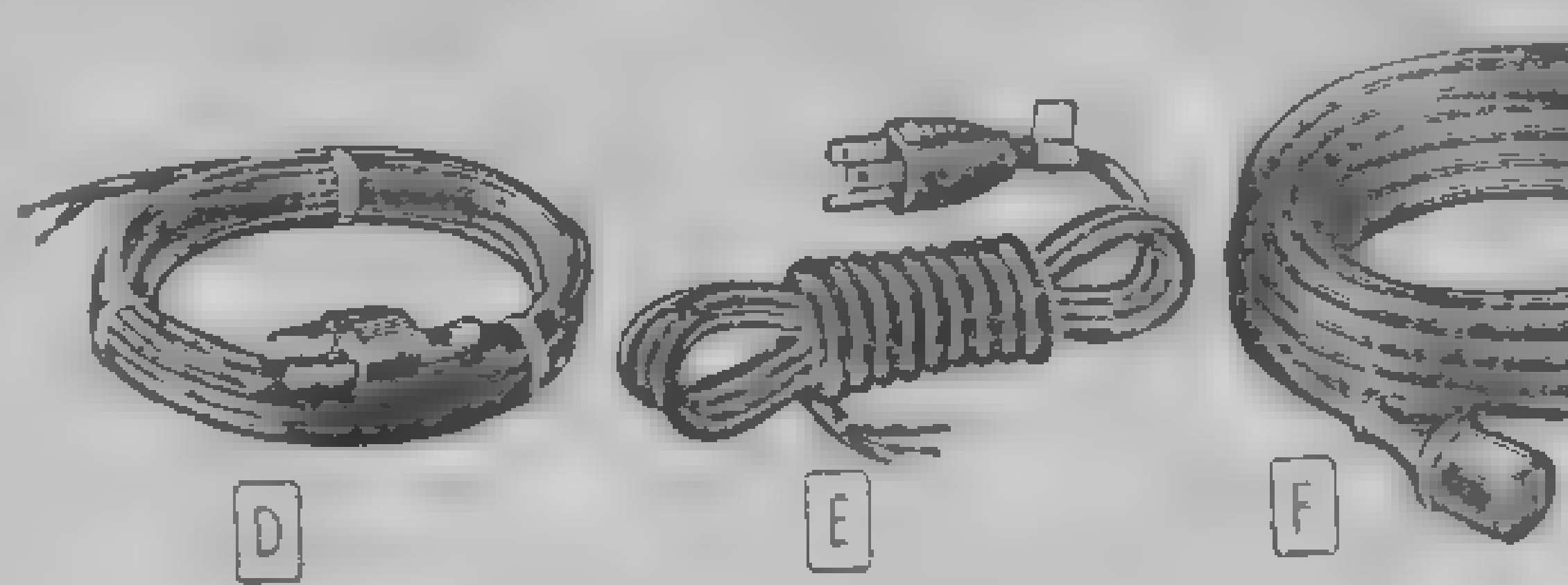
U.L. Approved

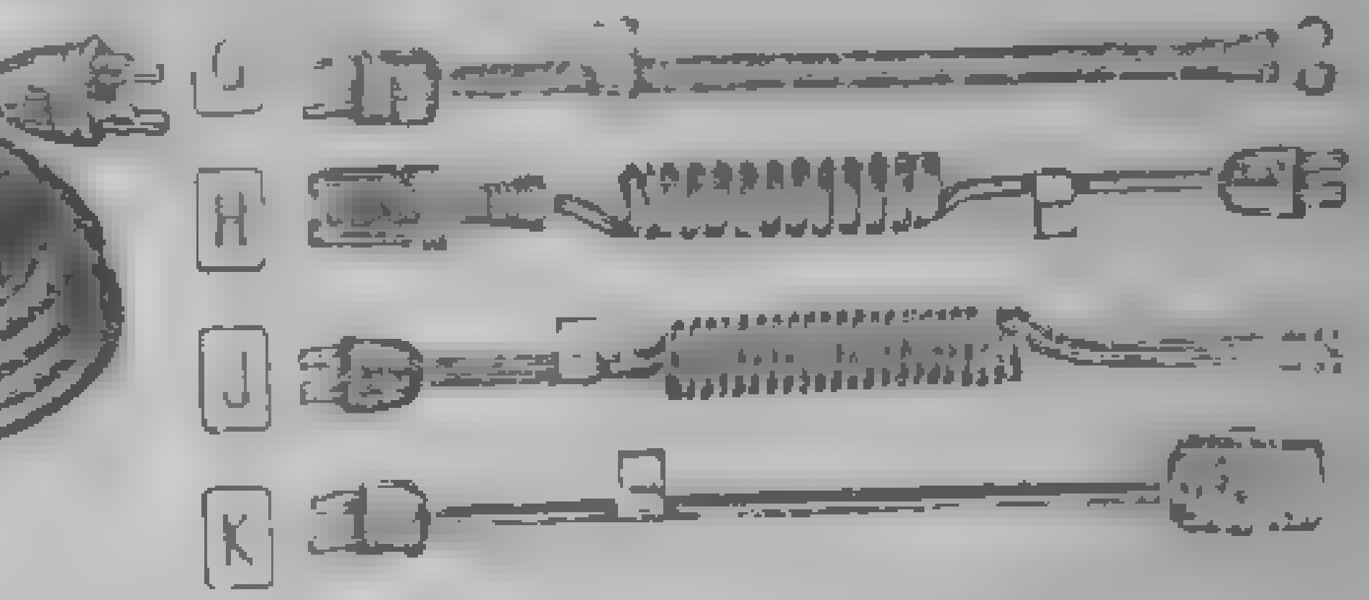


...ue 4-ft. ...ical strip ... instal- ...n base- . wall, ...bench, etc. ...des 3 out- ...hich may ...ved to any ...t along Has 12″ cord with plug for feeding power ... regular wall outlet to the strip. Rated 15 ... at 125 v. AC. Shpg. wt., 1½ lbs.
NX 696. NET 2.62

Outlets. For above. Shpg. wt., 3 oz.
N 697. NET EACH .... 37¢

BELDEN GRIP-PRONG REPLACEMENT CORDS





LIGHT-DUTY CORDS

D **Type 17126S. SP-1 6-Foot Replacement Cord.** No. 18 wire. Brown rubber-covered cord. Extra-flexible. Unbreakable plastic plug on one end; other end stripped. Grip prongs expand and grip sides of slot. Ideal cord for electric clocks, lamps, fans, radio sets and other small electrical appliances and implements. U.L. Approved. Shpg. wt. 6 oz.
49 T 211. NET 33c

Type 17129S. SP-1. As above, but 9 feet. Shpg. wt., 8 oz.
49 T 236. NET 41c

Type 17330S. SJ 10-Foot Replacement Cord. No. 16 wire. For use on washing machines, workshop tools, etc. U.L. Approved. Shpg. wt., ¾ lb.
49 T 213. NET 80c

Type 17308S. SJ 8-Foot Replacement Cord. No. 18 wire. Black rubber cord. U.L. Approved. Shpg. wt., ½ lb.
49 T 215. NET 57c

Type 17206S. SV 6-Ft. Replacement Cord. No. 18 wire. For use on small appliances. Gray rubber. Cord-holder plug. U.L. Approved. Shpg. wt. ½ lb.
49 T 212. NET 47c

E **Type 17408S. SJ 8-Foot Appliance Grounding Cord.** No. 18 wire. Used for electric power tools and appliances. Has 3 conductor cord with 3-prong plug. U.L. Approved. Shpg. wt., ½ lb
49 T 219. NET 78c

F HEAVY-DUTY CORDS

Extra-flexible cord with molded vinyl cord-holder plug and plastic connector. Types 17395S and 17397S are ideal for electric lawn mowers, yard extensions. Cover: *gray rubber, †black rubber, §red vinyl. U.L. Approved.

Stock No.	Mfr's Type	Length	Gauge	Lbs.	NET
49 T 214	17270C*	20′	SV 18	1	1.08
49 T 216	17361S†	10′	SJ 16	1	.86
49TX217	17395S§	50′	SJT 16	3¼	3.68
49TX218	17397S§	100′	SJT 16	6½	7.37

CORDS FOR HEATER-TYPE APPLIANCES

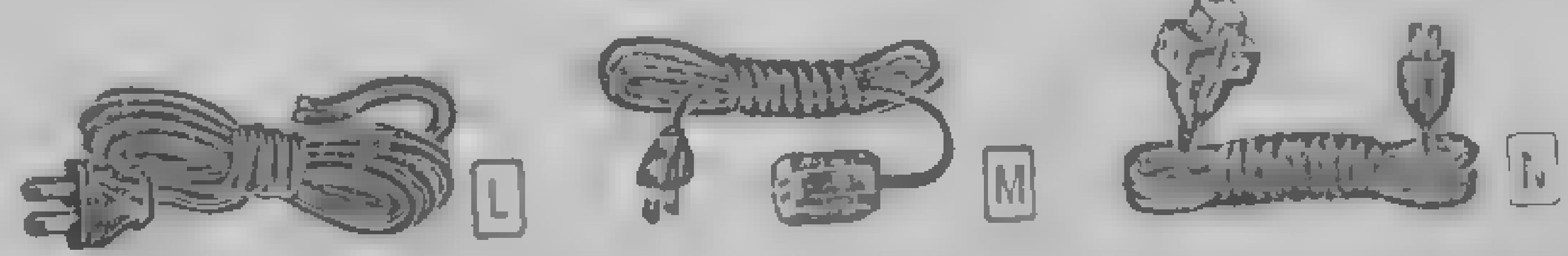
Replacement line cords for 125 volt heater-type appliances. All have molded-rubber wall plugs. All are neoprene covered and self-coiling (extend to 6 feet) except *asbestos cotton wrapping and 7 feet long. Types without appliance plugs have terminals for screws. †on appliance plug. Av. shpg. wt., ½ lb.

Stock No.	Type	Fig.	†Pin Spacing	Amps	NET
49 T 539	17886S	H	½″, slotted	10	1.04
49 T 540	17887S	H	1 1/16″, w/o slot	10	1.07
49 T 541	17888S	H	1 1/16″	15	1.13
49 T 542	17836S	J	None	10	.88
49 T 221	*17727S	G	None	15	.71

K CUBE TAP EXTENSION CORDS

Brown vinyl covered cord with vinyl plug and molded 3-way connector. 18 gauge, 2-conductor wire (41x34). SPT rated U.L. Approved.

Stock No.	Type	Length	Shpg. Wt.	NET
49 T 543	17156S	6′	¼ lb.	.41
49 T 544	17159S	9′	½ lb.	.47
49 T 545	17162S	12′	1 lb.	.53
49 T 546	17165S	15′	1¼ lbs.	.60



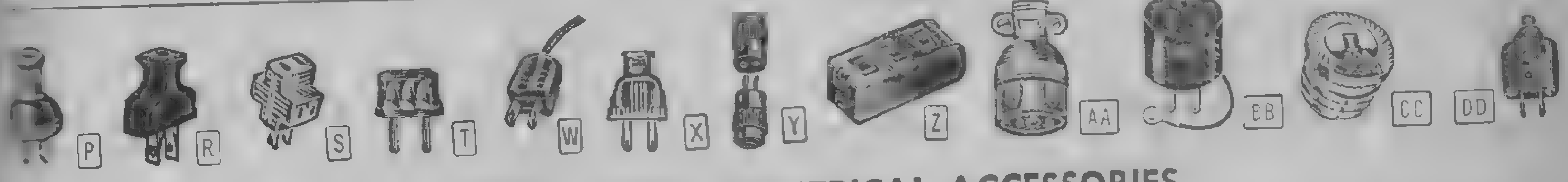
REPLACEMENT CORD VALUES

L **6-Ft. Replacement Cord Set.** Heavy, plastic insulated cord firmly secured in sturdy molded plug on one end; other end stripped. Brown. Shpg. wt., 5 oz.
49 T 230. 10 or More, EA..19¢. EA.... 21c

M **Cube Tap Extension.** 3-way extension tap. Rated at 15 amps 125 volts; 10 amps 250 volts. With 6-foot cord and bakelite plug cap. Shpg. wt., 7 oz.
52 N 605. 10 or More, EA..33¢. EA... 37c

N **Rubber Cube Tap Extension.** An all-rubber, solderless, 3-way extension cord set. Consists of 9-ft. cord, unbreakable cube tap and plug. No. 18 wire. Spring-action contacts in cube receptacle provide positive connection with plugs. Shpg. wt., 8 oz.
52 N 608. EACH 59c

6-Ft. Extension. Same as above, but with 6-ft. cord. Shpg. wt., 6 oz.
52 N 621. EACH .... 50¢



VALUES IN HANDY ELECTRICAL ACCESSORIES

Rubber-Handle Plug. Unbreakable soft-rubber. Approved for power tools. Excel... for use with 52 N 603, right, for line cord ...ensions. U.L. Approved. Shpg. wt., 2 oz.
N 602. EACH 8c

Bakelite Plug. With convenient finger-grip. Cap size, 1⅛x1 7/16x1 9/16″ deep. Brown ...sh. U.L. Approved. Shpg. wt., 2 oz.
N 600. EACH 8c

Rubber Cube Tap. Spring-action, 3-way outlet of one-piece, soft rubber. U. L. ...proved. Shpg. wt., 4 oz.
52 N 609. EACH 22c

Continental Adapter. Male-female adapter. Permits using standard flat-prong ...erican plugs in Continental Europe outlets ...signed for round prongs. Wt., 2 oz.
N 536. NET 29c

Use Allied's Easy Pay Plan . . . add electrical accessories to orders totaling $20.

W **Academy Automatic Plug.** No wire stripping. Just insert through cap. Sure-grip "needles" on prongs make positive connection through insulation. For POSJ cable only. U.L. Approved. Shpg. wt., 3 oz.
52 N 607. NET EACH 12c

X **Flat Rubber Plug.** Has non-breakable molded rubber cap. Because of their narrow construction, these caps are ideal for use with multiple AC receptacles similar to Fig. Z above. Easily disassembled. Screw terminal wiring. Rated 15 amps at 125 v.; 10 amps at 250 v. U.L. Approved. Shpg. wt., 3 oz.
52 N 641. EACH 10c

Y **Morse Midget Cord Connector.** 2-contact pull-apart type. For AC-DC cords, phono motors, pilot lights, etc. Consists of plug and receptacle. 1⅞″ long and 9/16″ dia. Shpg. wt., 2 oz.
52 N 626. 10 or More, EA..44¢. EA... 49c

Z **Academy 3-Way Outlet.** No wire stripping. 15 amps/125 v. or 10 amps/250 v. U.L. Approved. Shpg. wt., 5 oz.
52 N 622. Mahogany plastic
52 N 619. White plastic
NET EACH.. 20c

AA **Line Cord Receptacle.** Rubber pull-handle receptacle. Dia., 1¼″. 15 amps at 125 v. U.L. Approved. Shpg. wt., 3 oz.
52 N 603. EACH 26c

BB **Parallel Ground Adapter.** Adapts 3-prong plugs for use in standard 2-prong AC outlets. 15 amps, 125 v. Has 3″ wire with grounding lug. U.L. Approved. Wt., 3 oz.
52 N 669. NET EACH 25c

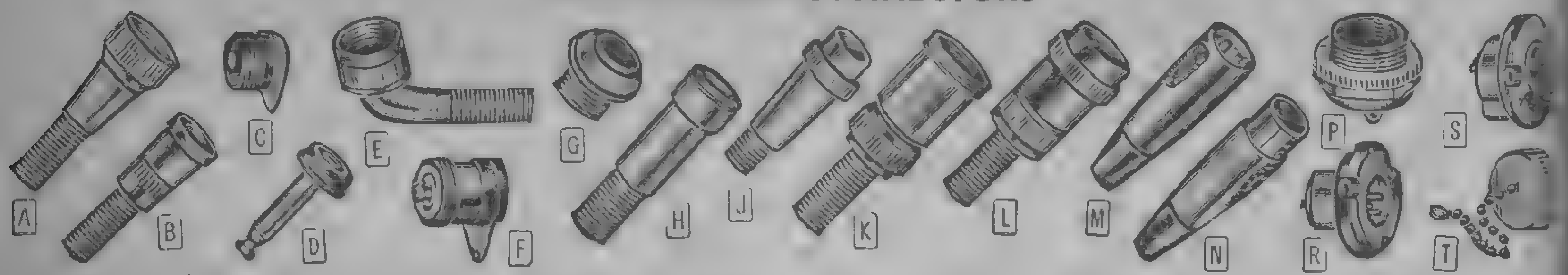
CC **Plug Fuses.** U.L. Approved. Clear view—easily seen when blown. Shpg. wt., 8 oz. **5 per box.**

52 B 170. 10 Amps.........
52 B 171. 15 Amps.........
52 B 172. 20 Amps.........
52 B 173. 25 Amps.........
52 B 174. 30 Amps.........
PER BOX 25c

DD **Fused Plug.** Protects equipment. Small fuses for each side of line fit snugly in cylindrical receptacles—blown fuse easily removed for quick replacement. Interchangeable with any standard AC plug. Supplied less 3AG cartridge fuses. (See index for fuse listings.) U.L. Approved. Shpg. wt., 3 oz.
52 N 648. EACH 33c

Amphenol Connectors

MICROPHONE CONNECTORS



Most microphones listed in our catalog are supplied less connector. Choose from this complete selection of Amphenol connectors—you'll find one to meet any application. Series 75 are chrome-plated, machined brass. Widely used on amplifiers, transmitters, phono-electric devices, home recorders, theft alarms, and coin operated devices. Series 91 quick-disconnect microphone connectors are easy-to-operate, efficient in use. Series 91 are corrosion-resistant satin nickel; bodies are made of a high grade zinc alloy. The high conductivity bronze contacts are gold-plated over silver; dielectric is Amphenol's famous "blue" diallyl phthalate. Series 80 precision construction assures positive connections free from noise, leaks or shorts. **Note:** Amphenol Type 75-MC1F (Fig. A) fits all Knight public address amplifiers. When splicing two cords, use one 75-MC1F connector and one 75-MC1M connector for a strong, reliable joint.

SERIES 75 SINGLE CONTACT TYPES

Standard connectors ⅝", 27 threads; *⅜" mounting holes. †New miniature connectors are approximately half the size and weight of standard counterparts with same specifications. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET
41 H 958	75-MC1F	A	Combination cable plug & jack	.44
41 H 955	75-MC1M	B	Cable plug	.40
41 H 965	*75-PC1M	C	Chassis receptacle, non-shorting	.35
41 H 962	75-MC1P	D	Phone plug adapter	.48
41 H 959	75-MC1FA	E	90° angle cable jack	1.23
41 H 967	*75-CL-PC1M	F	Chassis receptacle, closed circuit	.50
42 H 658	†75-1	A	Straight plug	.46
42 H 659	†75-2	B	Cable jack	.28
42 H 660	†75-3	F	Locknut receptacle	.32

SERIES 80 SINGLE & DOUBLE CONTACT TYPES

For shielded cables, single and two conductor coaxial cables, etc. Center contacts are pin and socket type. *Single-contact type. †Polarized, double-contact type. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET
42 H 084	*80-C	G	Female chassis receptacle	56¢
42 H 661	*80-C1	G	Male chassis receptacle	57¢
42 H 080	*80-F	H	Female cable jack	52¢
42 H 662	*80-F1	J	Female cable plug	62¢
42 H 081	*80-M	J	Male cable plug	60¢
42 H 663	*80-M1	H	Male cable jack	49¢
42 H 082	†80-MC2F	H	Female cable jack	58¢
42 H 664	†80-MC2F1	J	Female cable plug	66¢
42 H 083	†80-MC2M	J	Male cable plug	64¢
42 H 665	†80-MC2M1	H	Male cable jack	50¢
42 H 085	†80-PC2F	G	Female chassis receptacle	57¢
42 H 666	†80 PC2M	G	Male chassis receptacle	57¢

T **Type 75-CCC1 Cap and Chain.** Seals open chassis units against dirt and dust. Chain has eye for securing to panel. Used with both series 75 and 80 receptacles. Shpg. wt., 3 oz.

40 H 381. NET 42c

SERIES 91—3 AND 4-CONTACT TYPES

Microphone connectors for portable equipment. Polarized to pr
incorrect insertion. Clamps eliminate stress on soldered connec
*3-contact type. †4-contact type. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET
41 H 970	*91-MC3F	K	Female cable jack	85¢
42 H 667	*91-MC3F1	L	Female cable plug	93¢
41 H 971	*91-MC3M	L	Male cable plug	88¢
42 H 668	*91-MC3M1	K	Male cable jack	80¢
41 H 972	*91-PC3F	P	Female chassis receptacle	72¢
42 H 669	*91-PC3M	P	Male chassis receptacle	82¢
41 H 977	†91-MC4F	K	Female cable jack	89¢
42 H 670	†91-MC4F1	L	Female cable plug	97¢
41 H 976	†91-MC4M	L	Male cable plug	90¢
42 H 672	†91-MC4M1	K	Male cable jack	82¢
41 H 978	†91-PC4F	P	Female chassis receptacle	74¢
42 H 673	†91-PC4M	P	Male chassis receptacle	82¢

SERIES 91 "QUIK" 3 AND 4-CONTACT TYPES

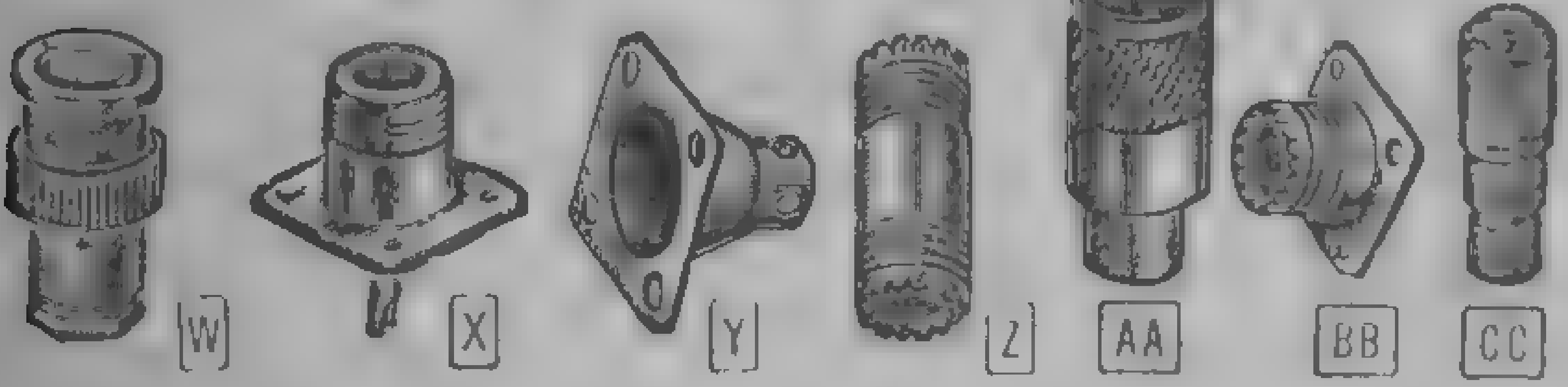
Push together; released by slight pressure on lock button. Gold-p
(over silver) bronze contacts. Incorrect insertions are impossible be
connectors are polarized. Satin-nickel plated, zinc-alloy shells. *3
tact type. †4-contact type. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description
42 H 065	*91-853	M	Male cable plug
42 H 066	*91-854	N	Female cable plug
42 H 067	*91 855	R	Male chassis receptacle
42 H 068	*91 856	S	Female chassis receptacle
42 H 069	†91-857	M	Male cable plug
42 H 070	†91-858	N	Female cable plug
42 H 071	†91-859	R	Male chassis receptacle
42 H 072	†91-860	S	Female chassis receptacle

T **Type 91-CCC3 Cap and Chain.** Seals open chassis units ag
dirt and dust. Chain has eye for securing to panel. Used for ser
microphone connectors. Shpg. wt., 3 oz.

42 H 674. NET ....

CABLE CONNECTORS



TYPES 31 AND 82 COAXIAL CONNECTORS

BNC Type Connectors. Small weatherproofed connectors. Low-voltage, single-contact types for 50-ohm RG-55/U and RG-58/U cables except †for 70-ohm RG-59/U, RG-62/U and RG-71/U. Av. wt., 3 oz.

Stock No.	Military No.	Mfr.'s Type	Fig.	Description	NET EACH 1-9	NET EACH 10-49
40 H 391	UG-88/U	31-002	W	Plug	1.11	.93
40 H 396	UG-260/U	31-012†	W	Plug	1.18	.98
40 H 395	UG-262/U	31-011†	....	Panel Jack	1.29	1.07
Type N Connectors. Low voltage. 50 ohms except *70 ohms. 3 oz.						
40 H 313	UG-21B/U	82-61	....	Plug for RG/U 8, 9, 10	1.91	1.59
40 H 520	UG-27A/U	82-64	....	Right-Angle Adapter	4.11	3.42
40 H 312	UG-58/U	82-24*	X	Receptacle	1.33	1.11
40 H 519	UG-107A/U	82-36	....	T Adapter	5.50	4.63

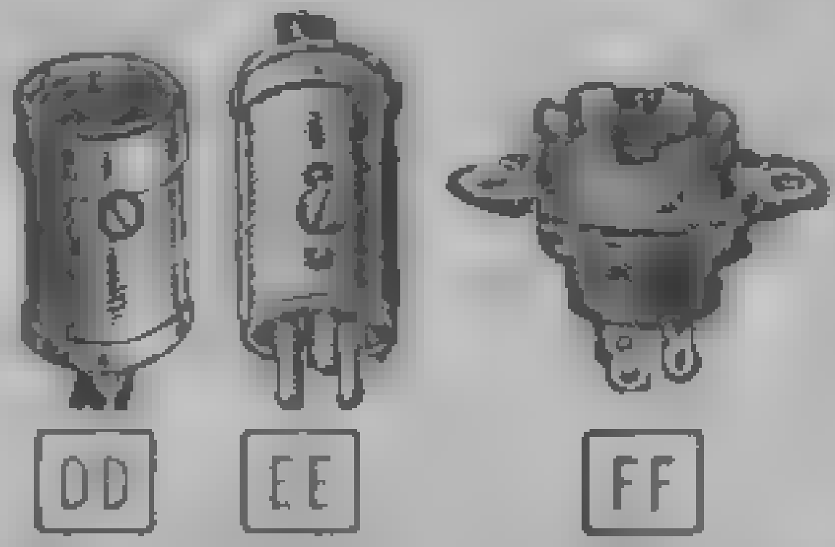
TYPE 83 COAXIAL CONNECTORS

UHF Small Single Contact. Widely used for RF applications. Wt., 3 oz

40 H 357	UG-106/U, M-360	83-1H	Y	For RG/U 8, 9, 10, 11, 12, 13, 63	.29	.24
40 H 356	UG-363/U, PL-274	83-1F	....	Feed-Through Connector	2.12	1.74
40 H 354	M-358, 49199	83-1T	....	"T" Adapter	2.84	2.33
40 H 355	PL-258, 49191	83-1J	Z	Straight Adapter	1.22	1.02
40 H 350	PL-259, 49190	83-1SP	AA	For RG/U 8, 9, 10, 11, 12, 13	.74	.61
40 H 352	SO-239, 49194	83-1R	BB	Receptacle Chassis Type	.77	.63
Solderless Type UHF Plug Connectors.						
40 H 509	....	83-850	CC	Plug for RG/U 11	2.29	1.91
40 H 510	....	83-851	CC	Plug for RG/U 8, 9, 10, 11, 12, 13, 63, 65	1.53	1.28

Allied stocks a complete line of Amphenol connectors; many are not listed in this catalog. Write, wire, or phone us for information and prices on the following connectors: Series 17, 26, 27, 31, 67, 69, 82, 83, 97, 126, and 165.

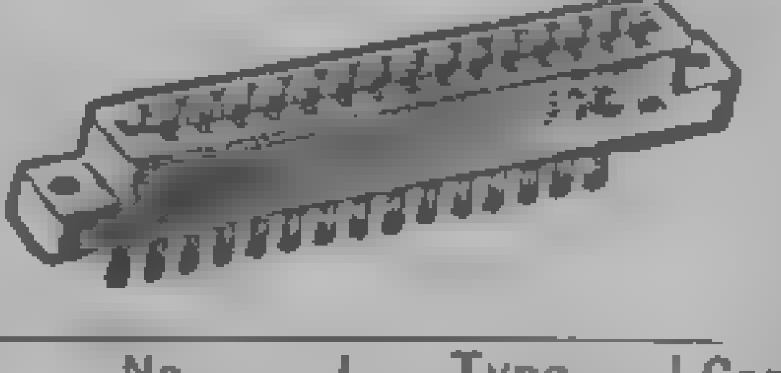
SERIES 91 MINIATURE CABLE CONNECTOR



Compact connectors for shielded or unsh
ed cables. Polarized contacts prevent in
rect insertion. For cables up to ¼" dia.
letter in Type No. indicates: L, long (1
S, short (1/16"). Last fig. in Type No. den
contacts. PCG—chassis type. Figs. DD
FF are female types; Fig. EE, male ty
Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	NET	Stock No.	Type	Fig.
40 H 320	91-MPF3L	DD	38¢	40 H 574	91-MPM4S	EE
40 H 571	91-MPF3S	DD	36¢	40 H 570	91-MPM5L	EE
40 H 321	91-MPF4L	DD	42¢	40 H 328	91-MPM6L	EE
40 H 572	91-MPF4S	DD	36¢	40 H 330	78-PCG-3	FF
40 H 325	91-MPM3L	EE	35¢	40 H 331	78-PCG4	FF
40 H 573	91 MPM3S	EE	33¢	40 H 332	78 PCG5	FF
40 H 326	91-MPM4L	EE	36¢	40 H 333	78-PCG6	FF

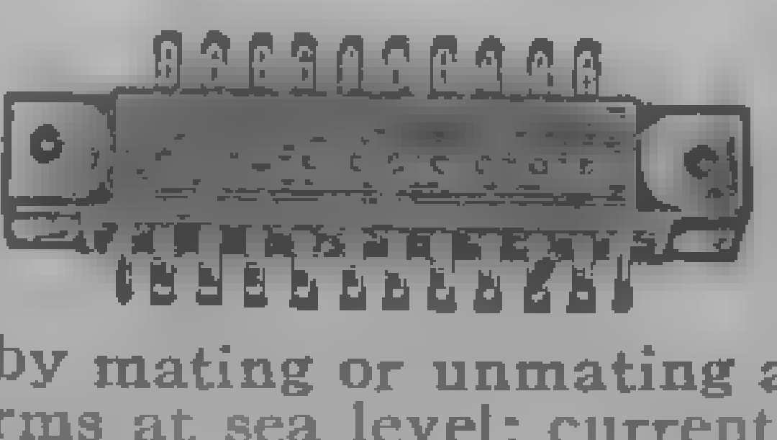
SERIES 143 PRINTED CIRCUIT CONNECTOR



Precision connectors for printed circuit
works. Printed circuit board acts as male
of connector. Molded of diallyl phthalate
electric; has gold plated contacts. Accept
to .071" printed circuit boards. *Polari
keys. Av. shpg. wt., 2 oz.

No.	Type	Contacts	NET	No.	Type	Contacts
41 H 090	143-006-01	6	1.71	40 H 501	143-018-01	18
40 H 503	143-010-01	10	1.17	40 H 502	143-022-01	22
42 H 675	143-012-01	12	2.11	42 H 676	143-953	*
40 H 500	143-015-01	15	1.50			

SERIES 133 PRINTED CIRCUIT PLUGS

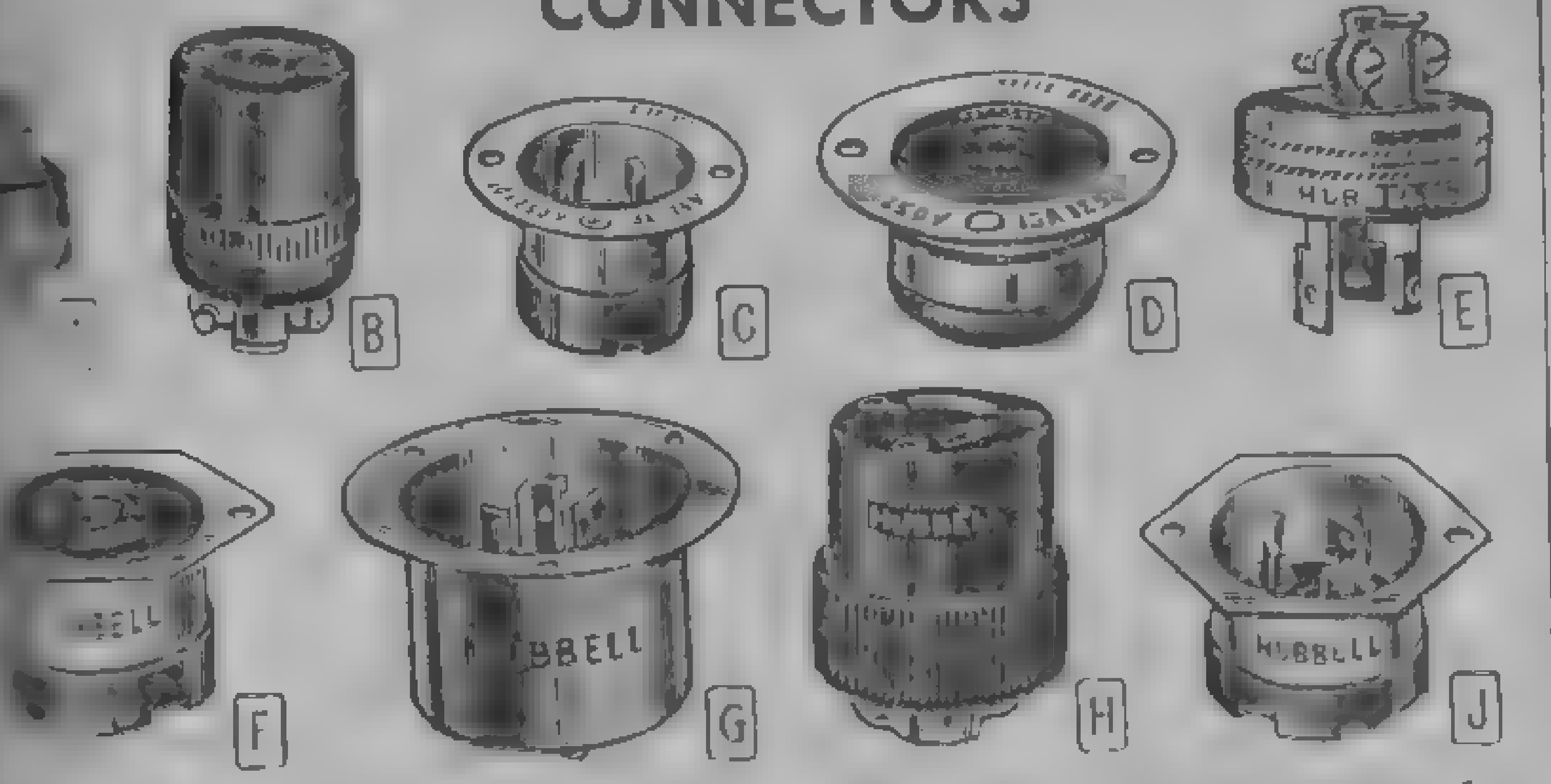


Matching plugs for standard 143 series prin
circuit connectors above. Have molded dia
phthalate dielectric body, cadmium-pla
brass guide pins, and cadmium-plated end c
and brass contacts with gold-over-albaloz p
ing. Rugged contacts are not subject to dam
by mating or unmating at an angle. Average voltage rating, 2300 v
rms at sea level; current rating meets or surpasses any printed circ
board requirement. Polarized. Av. shpg. wt., 2 oz.

No.	Type	Contacts	NET	No.	Type	Contacts
41 H 085	133-010-21	10	2.76	41 H 087	133-018-21	18
41 H 086	133-015-21	15	3.23	41 H 088	133-022-21	22

Cannon, Hubbell, Switchcraft, H&H Connectors

HARVEY HUBBELL "TWIST-LOCK" CONNECTORS



A wide selection of heavy-duty electrical connectors for industrial as well as home use. Available in both midget and standard sizes. Feature "Twist Lock" design for fast, sure connections. Just plug connectors together and twist for a locked connection that cannot be accidentally pulled apart. Provide a maximum of safety and a minimum of time-loss and inefficiency in electrical operation. Ideal for extension cables, portable electric tools, motors, and all types of electrical equipment subject to vibration. Conform to National Electrical Code Standard. Av. shpg. wt., 3 oz.

MIDGET-SIZE CONNECTORS
2-WIRE NON-POLARIZED TYPES

7428 male cap and Type 7427 female connector are of durable bakelite with metal cable clamps for 5/16 to 1/2" O.D. cords. Type ale base and Type 7468 female base are of bakelite with metal s. Rated 10 amps at 250 volts, or 15 amps at 125 volts.

ock No.	Mfr's Type	Fig.	Description	NET EACH
282	7428	A	Male Cap	.42
283	7427	B	Female Connector	.76
284	7466	C	Male Base	.90
287	7468	D	Female Base	1.09

3-WIRE POLARIZED TYPES

ove but for 3-conductor cables. Insulation is black bakelite. s accept cords from .281 to .421" O.D. Polarization prevents connection. Rated 10 amps at 250 v., or 15 amps at 115 v.

288	7485	A	Male Cap	.99
289	7484	B	Female Connector	1.42
290	7486	C	Male Base	1.26
291	7487	D	Female Base	1.54

STANDARD SIZE CONNECTORS
3-WIRE POLARIZED TYPES

7572 male cap, Type 7556 male base and Type 7557 female base rust-resistant metal housings. Type 7555 female connector is e. Clamps take cords from .296 to .562" O.D. All are rated 10 amps volts, or 15 amps at 125 volts.

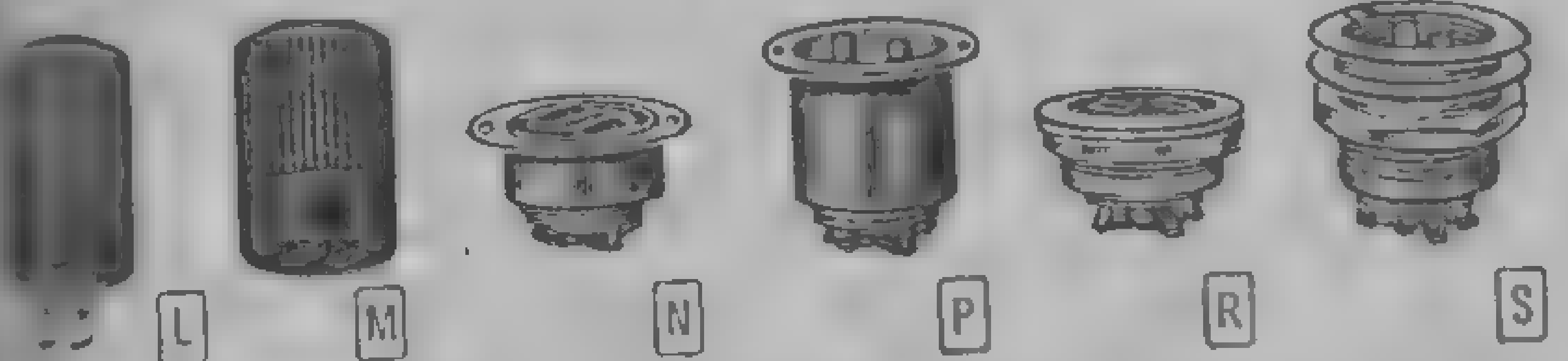
Stock No.	Mfr's Type	Fig.	Description	NET EACH
H 292	7572	E	Male Cap	1.17
H 293	7555	H	Female Connector	1.85
H 294	7556	J	Male Base	1.54
H 295	7557	F	Female Base	1.71

HEAVY-DUTY 3-WIRE POLARIZED TYPES

7311 cap, Type 7327 male base and Type 7328 female base have housings. Type 7313 connector is bakelite. Clamps take .437 to O.D. cords. Rated 20 amps at 250 v., 10 amps at 575 v. *Armored.

H 296	7311	E	*Male Cap	1.68
H 297	7313	H	Female Connector	2.59
H 298	7327	G	Male Base	1.77
H 299	7328	K	Female Base	3.06

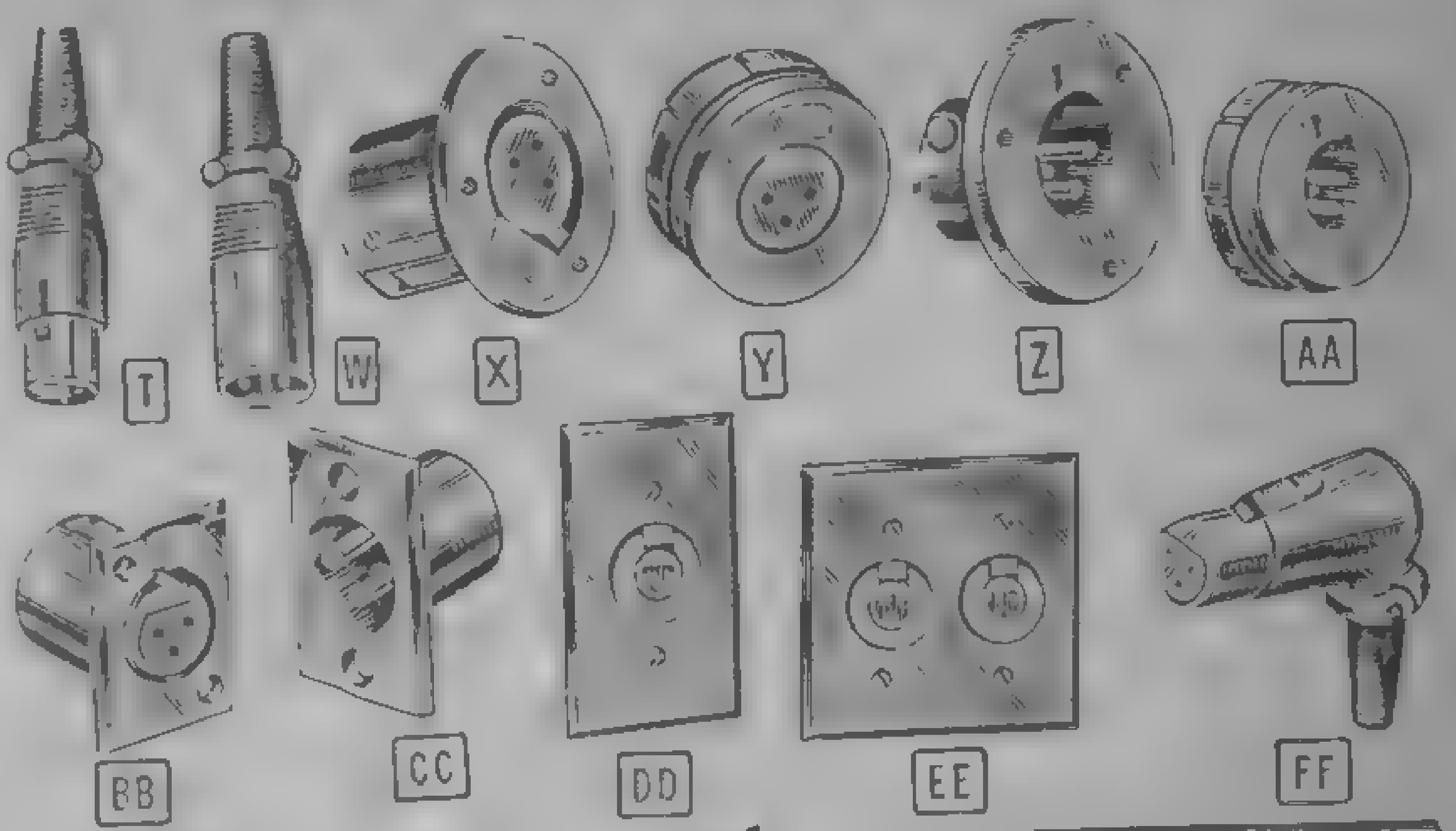
ART & HEGEMAN MIDGET CONNECTORS

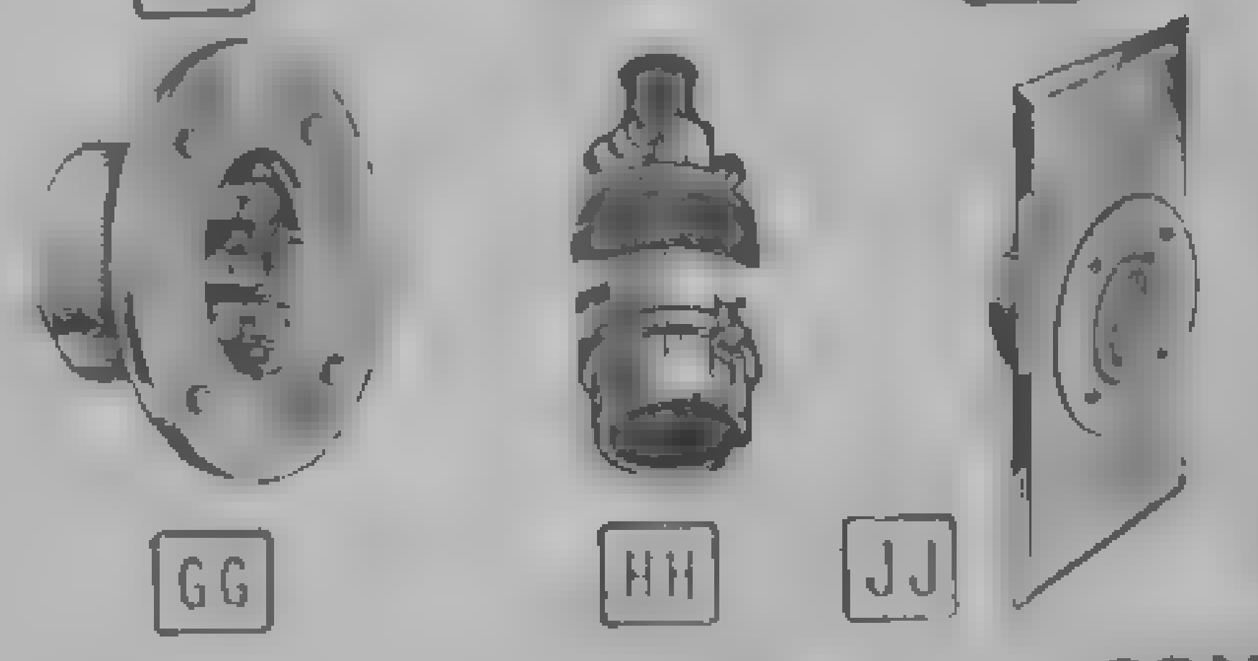


zet 2-prong cord connectors and receptacles. Especially suited for cations where space is at a premium. Types illustrated in Figures L M are constructed of durable molded bakelite. Others have rust-stant metal housings and insulation of bakelite. All units are rated at mperes at 250 volts. A 1" diameter hole is required for all receptacles. act spacing is 13/32". Receptacle terminals are exposed. All units have eaded covers. Types 80326 and 80328 are furnished with plate for s. Types 80327 and 80329 equipped with plate and lock ring. Av. t. wt., 3 oz.

ck No.	Mfr's Type	Fig.	Description	NET
N 721	80324	L	Male cable connector	.70
N 722	80325	M	Female cable connector	.70
N 725	80326	N	Female flush receptacle	.72
N 726	80328	P	Male flush receptacle	.84
N 727	80327	R	Female flush receptacle	1.09
N 728	80329	S	Male flush receptacle	1.13

CANNON PLUGS AND RECEPTACLES





Allied stocks a complete line of Cannon connectors; many are not listed in this catalog. Write, wire or phone for information on Series D, DPA, DPX, K, MSE, etc.

TYPE XLR CONNECTORS

Audio connectors with clamp and resilient socket insulator. Minimize mechanical interference and reduce noise. Feature satin nickel finish, integral cable clamp, neoprene cable relief and push-action latchlock. First number in type column indicates number of contacts. -2G in Type No. indicates 2 gang. Available with three 15-ampere contacts, or four 10-ampere contacts. *Wall-type receptacles; †panel-type receptacles. ‡Indicates steel shell, others are die-cast zinc. Av. shpg. wt., 4 oz.

STRAIGHT CORD PLUGS

Stock No.	Type	Fig.	Description	EACH
40 H 790	XLR-3-11C	T	Female (socket insert)	1.03
41 H 212	XLR-4-11C	T	Female (socket insert)	1.42
40 H 983	XLR-3-11SC‡	T	Female (socket insert)	2.24
40 H 984	XLR-4-11SC‡	T	Female (socket insert)	2.64
40 H 791	XLR-3-12C	W	Male (pin insert)	.99
41 H 213	XLR-4-12C	W	Male (pin insert)	1.32
40 H 985	XLR-3-12SC‡	W	Male (pin insert)	2.21
40 H 986	XLR-4-12SC‡	W	Male (pin insert)	2.54

WALL AND PANEL RECEPTACLES

41 H 214	XLR-3-13*	X	Female (socket insert)	1.03
41 H 215	XLR-4-13*	X	Female (socket insert)	1.42
41 H 216	XLR-3-13N†	Y	Female (socket insert)	1.03
41 H 217	XLR-4-13N†	Y	Female (socket insert)	1.42
41 H 218	XLR-3-14*	Z	Male (pin insert)	.79
41 H 219	XLR-4-14*	Z	Male (pin insert)	1.12
41 H 223	XLR-3-14N†	AA	Male (pin insert)	.96
41 H 224	XLR-4-14N†	AA	Male (pin insert)	1.29
40 H 792	XLR-3-31*	BB	Female (socket insert)	1.03
41 H 225	XLR-4-31*	BB	Female (socket insert)	1.42
40 H 793	XLR-3-32*	CC	Male (pin insert)	.79
41 H 226	XLR-4-32*	CC	Male (pin insert)	1.12
40 H 987	XLR-3-35*	DD	Female (socket insert)	2.90
40 H 988	XLR-3-35-2G*	EE	Female (socket insert)	6.17

90° PLUGS

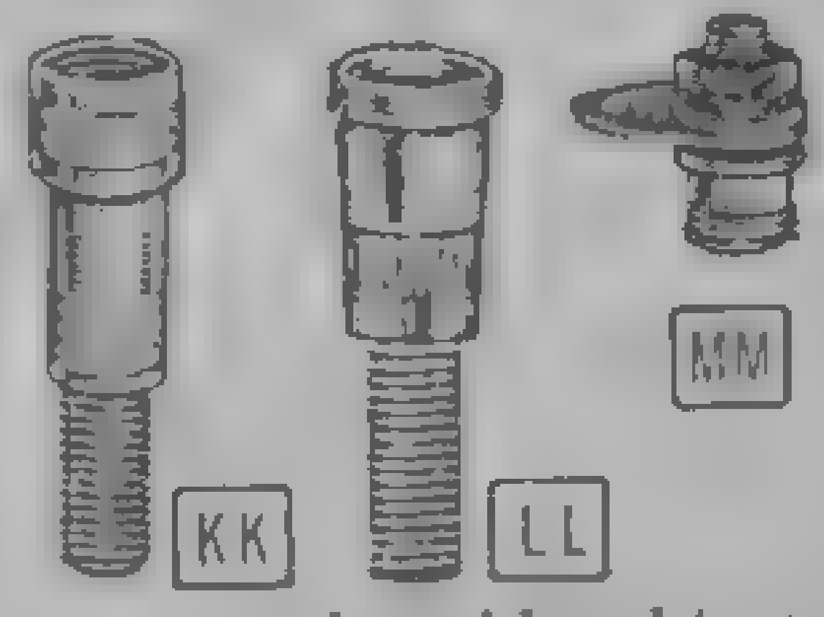
40 H 948	XLR-3-15	FF	90° plugs	2.64
40 H 949	XLR-4-15	FF	90° plugs	3.53

TYPE P CONNECTORS

3-contact receptacles and cable connectors for audio circuits. For any size wires up to No. 10. 30 amp capacity per contact. Black phenolic insulation. *Zinc with satin-chrome finish. †Steel shells and zinc cable clamp. §P3-13 with satin-chrome brass plate

40 H 707	P3-13*	.....	Panel mount, female (socket)	3.68
40 H 757	P3-14*	GG	Panel mount, male (pin)	2.19
40 H 724	P3-CG-11S†	HH	Cable plug, female (socket)	4.16
40 H 701	P3-CG-12S†	.....	Cable plug, male (pin)	3.40
40 H 709	P3-35§	JJ	Wall receptacle, female for 40 H 701	5.74

SWITCHCRAFT MINIATURE MIKE CONNECTORS



"Mini-Con" connectors designed for use with single-conductor cable up to 3/16" in diameter (single-conductor and a shield). Ideal for lapel microphones, musical instruments, etc., —wherever small cable is used. Half the size of standard mike connectors. Av. net wt., 1/4 oz. Rugged body and coupling ring accurately machined from bright nickel-plated brass. Connector 5501F has coupling ring that is removable resulting in quick change of female connector to male type. Braid of cable can be soldered to spring; the spring is then clamped into body by hollow point set screw. Panel receptacle 5501MP mounts in 3/16" dia. hole; for insulated mounting, use insulating washers and 1/4" dia. mounting hole. Av. shpg. wt., 2 oz.

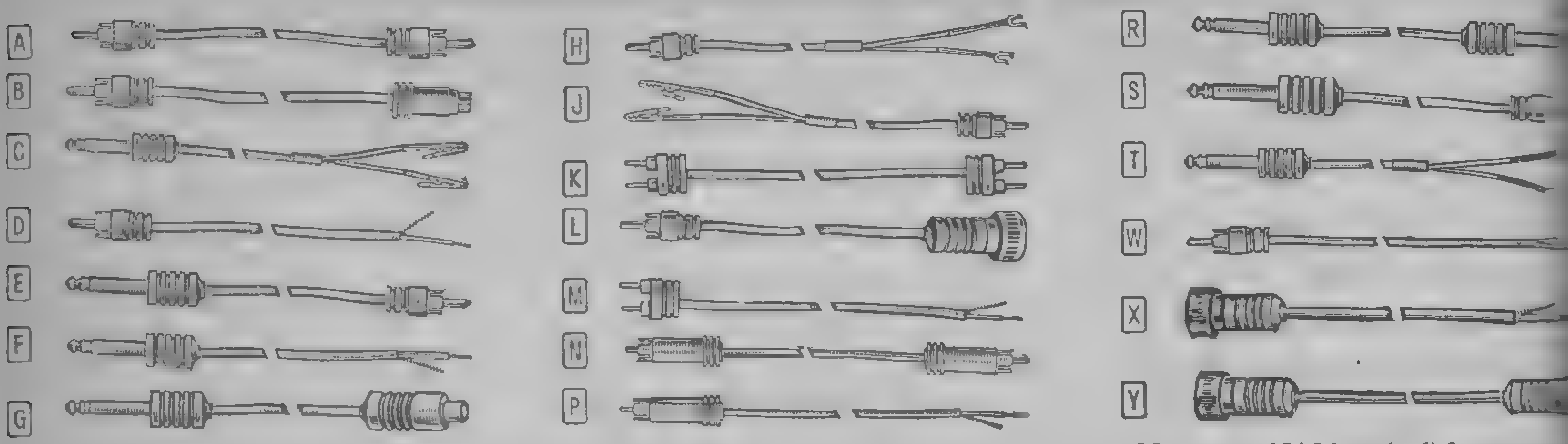
KK **Type 5501F.** Straight connector with single contact, female type coupling ring. Bright nickel-plated brass.
41 H 947. NET..........35c

LL **Type 5501M.** Straight connector, single contact, male type.
41 H 948. NET..........26c

MM **Type 5501MP.** Panel connector with male type single contact. Mounts by locknut on front of panel. Nickel-plated brass.
41 H 949. NET..........21c

Connector Cables, Connectors, Plugs

LAB-TRONICS AUDIO CONNECTOR CABLES



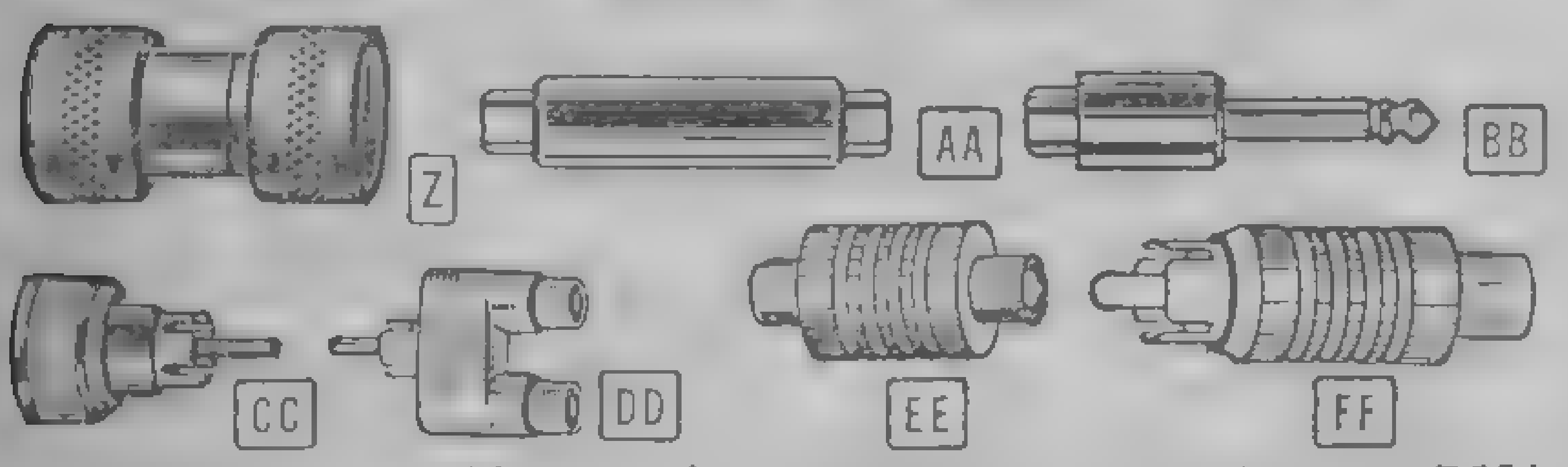
Invaluable accessories for trouble-free installation of hi-fi components. Cables are soldered prior to molding for noise-free connections.

Dual pin plugs on Figs. K and M are spaced 7/16" (standard) for stereo use. Bare ends tinned. *Indicates unshielded. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Fig.	Description	NET EA.
99 H 855	C101	A	18"; pin plug on each end	.53
99 H 856	C102	A	36"; pin plug on each end	.62
99 H 857	C103	A	72"; pin plug on each end	.79
99 H 992	C104	A	120"; pin plug on each end	1.09
94 H 456	C202	B	36"; pin plug one end, jack other end	.71
94 H 457	C203	B	72"; pin plug one end, jack other end	.88
99 H 993	C204	B	120"; pin plug one end, jack other end	1.18
89 H 957	P7210*	C	10'; phone plug one end, clips other end	1.15
89 H 964	P7220*	C	20'; phone plug one end, clips other end	1.44
94 H 470	C106	D	36"; pin plug one end, bare other end	.47
94 H 467	C107	D	72"; pin plug one end, bare other end	.65
99 H 994	C108	D	120"; pin plug one end, bare other end	.94
89 H 952	C4406	E	72"; pin plug one end, phone plug other end	1.09
89 H 965	C4410	E	10'; pin plug one end, phone plug other end	1.32
99 H 997	C4415	E	15'; pin plug one end, phone plug other end	1.62
89 H 953	C4006	F	72"; phone plug one end, bare other end	.94
89 H 966	C4010	F	10'; phone plug one end, bare other end	1.18
99 H 998	C4015	F	15'; phone plug one end, bare other end	1.47
89 H 954	C4610	G	10'; phone plug one end, jack other end	1.85
99 H 999	C4615	G	15'; phone plug one end, jack other end	2.15
89 H 956	P6110*	H	10'; pin plug one end, lugs other end	.62
89 H 967	P6120*	H	20'; pin plug one end, lugs other end	.91
89 H 955	P6210*	J	10'; pin plug one end, clips other end	.85
89 H 968	P6220*	J	20'; pin plug one end, clips other end	1.15
89 H 960	SP8403	K	36"; dual pin plug on each end	2.15

Stock No.	Mfr's Type	Fig.	Description
89 H 961	SP8410	K	10'; dual pin plug on each end
89 H 958	E803	L	36"; mike connector one end, pin plug other
89 H 959	E806	L	72"; mike connector one end, pin plug other
89 H 962	SP8003	M	36"; dual pin plug one end, bare other end
89 H 963	SP8010	M	10'; dual pin plug one end, bare other end
89 H 969	S3410	N	10'; pin plug on each end
89 H 978	S3415	N	15'; pin plug on each end
89 H 979	S3010	P	10'; pin plug one end, bare other end
89 H 980	S3015	P	15'; pin plug one end, bare other end
89 H 981	P7310*	R	10'; phone plug on each end
89 H 982	P7320*	R	20'; phone plug on each end
89 H 983	P7410*	S	10'; phone plug one end, pin plug other end
89 H 984	P7420*	S	20'; phone plug one end, pin plug other end
89 H 985	P7106*	T	72"; phone plug one end, lugs other end
89 H 986	P7110*	T	10'; phone plug one end, lugs other end
89 H 987	P7120*	T	20'; phone plug one end, lugs other end
89 H 988	P6010*	W	10'; pin plug one end, bare other end
89 H 989	P6020*	W	20'; pin plug one end, bare other end
71 H 292	E1106	X	72"; mike connector one end, bare other end
71 H 293	E1110	X	10'; mike connector one end, bare other end
71 H 294	E906	Y	72"; male mike conn. one end, female other
71 H 295	E912	Y	12'; male mike conn. one end, female other
41 H 911	E925	Y	25'; male mike conn. one end, female other
89 H 990	P501*	....	10'; lugs on each end
94 H 472	P502*	....	20'; lugs on each end

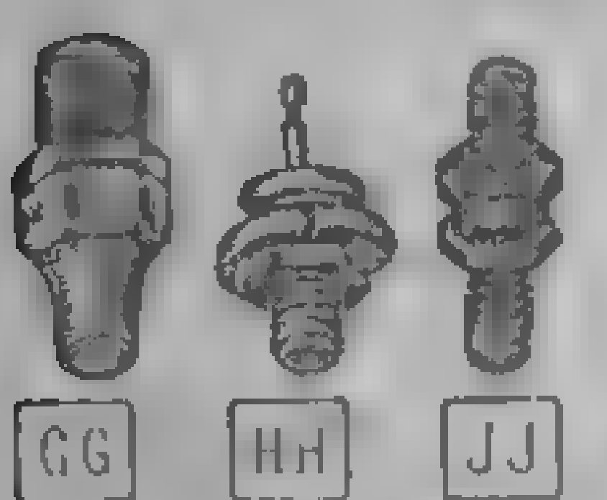
LAB-TRONICS JACK ADAPTERS, CONNECTORS



Type C400 allows rapid connection of two lines with pin plug ends. P55A allows connection of standard pin plug to phone jack. MP is pin plug with mike connector. C800 for two mike cables. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Description	NET EACH
71 H 291	C800	Z	Microphone Cable Connector	.59
94 H 458	C400	AA	Double-ended Phono Pin Jack	.59
71 H 289	P55A	BB	Phono Pin Jack; Phone Plug	.73
71 H 290	MP	CC	Mic; Phono Pin Plug	.59
91 H 582	A754	DD	2 Phono Pin Jacks; Phono Pin Plug	1.18
89 H 991	A750	FF	Phone Jack; Phono Pin Plug	1.03
89 H 992	A753	EE	Phone Jack; Phono Pin Jack	1.03

H.H. SMITH TV COAXIAL CABLE CONNECTORS



Low-cost solderless coaxial cable connectors for use with RG-59/U, JRP-59 and RG-6/U coaxial cable. Designed to use inner conductor of cable for male pin. Quick, easy assembly. For multiple TV antenna installations. Positive contact. Low loss insulation. Made of brass, silverplated for high conductivity. Type 1680 feedthrough adapter mates with Type 1650 male connector at either end. Av. shpg. wt., 2 oz.

GG **Type 1650 Male Connector.** Cable plug. Fits 1660 receptacle, below. **40 H 300. NET**..47¢

HH **Type 1660 Female Chassis Receptacle.** Takes 1650 connector, above. **40 H 301. NET**..47¢

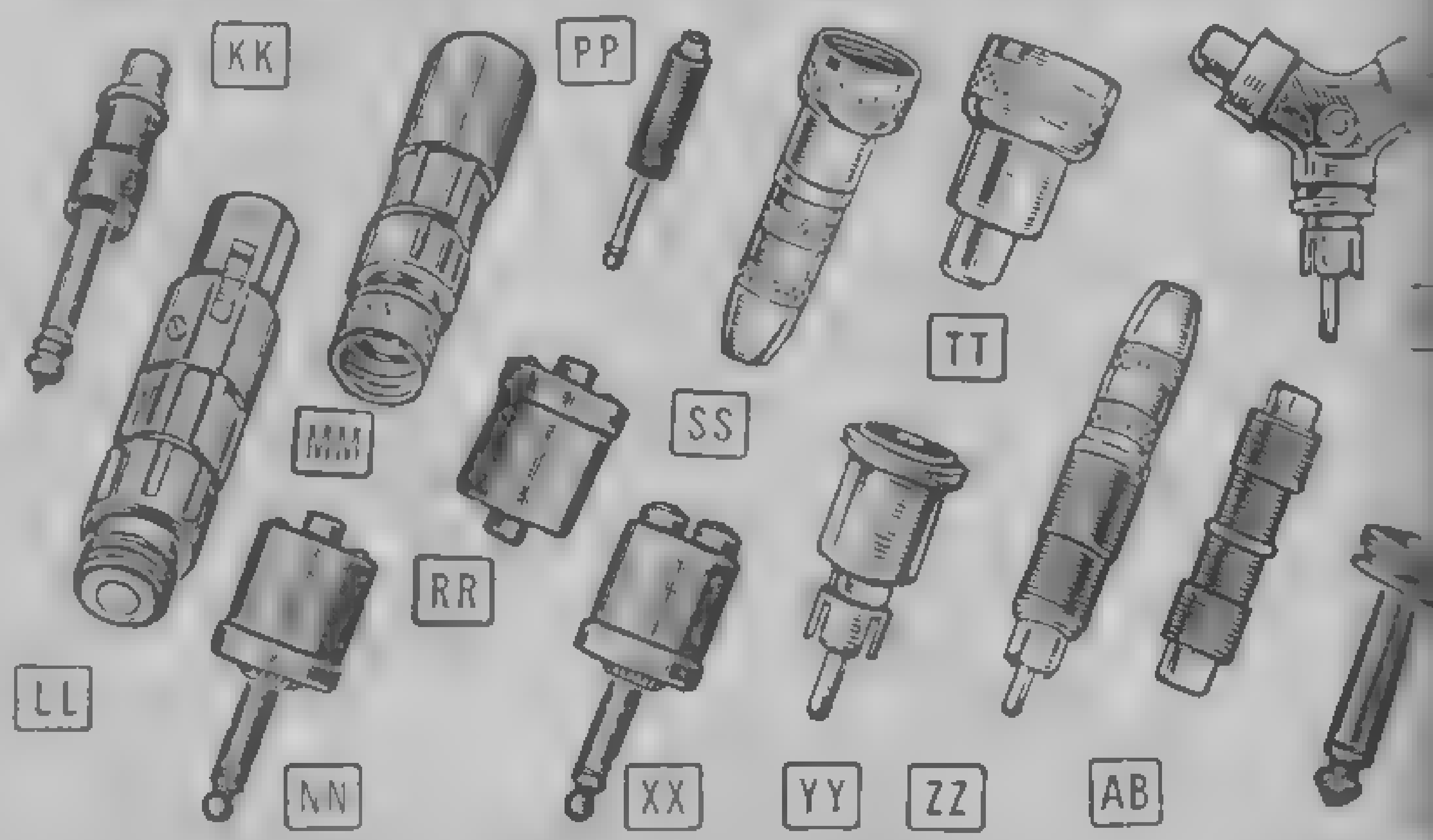
JJ **Type 1680 Feedthrough Adapter. Cable Junction.** Takes 1650 connector on each end. **40 H 302. NET**........................59¢

AMPHENOL TYPE 71 PLUGS

Compact, efficient, high-dielectric plugs. Excellent for transmitters, receivers, intercoms, speaker connections, etc. Securely anchored, nickel plated brass prongs; deeply recessed to prevent shorts caused by pulled back insulation. Easily soldered. For cables with up to six conductors. Contacts are polarized to assure proper connections. Fit Amphenol 78-S series miniature sockets listed on Amphenol socket page. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Prongs	NET EACH	Stock No.	Mfr's Type	Prongs	NET EACH
40 H 177	71-3S	3	9¢	41 H 149	71-5S	5	11¢
40 H 169	71-4S	4	11¢	40 H 179	71-6S	6	14¢

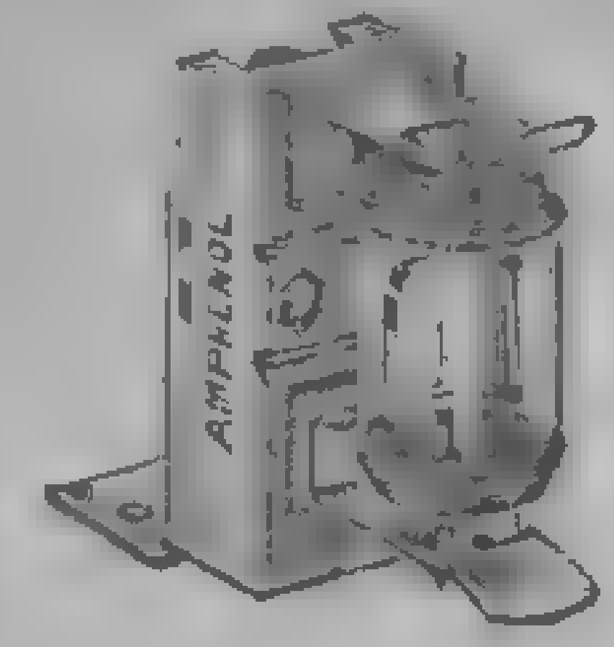
SWITCHCRAFT ADAPTER-CONNECTORS



For quick adaptation of plug to fit other type of jack on recorders, plifiers, tuners, etc. Av. shpg. wt., 6 oz.

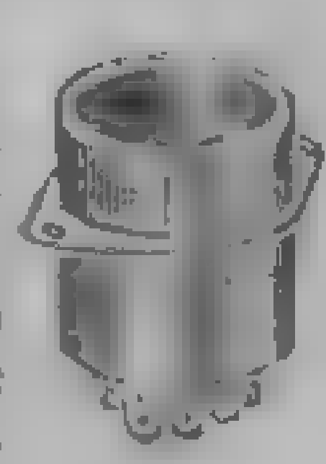
Stock No.	Type	Fig.	Description
41 H 764	330F	WW	2 phono jax connectors connected in parallel to standard phono plug.
41 H 768	332A	SS	2-cond. phone jack input to female mike output; main body ½".
41 H 769	334A	TT	Phono jack input to female microphone connector output.
41 H 712	335	LL	2 cond.—input has conn. Switchcraft 2501 MP (Amphenol 75 PC1M) and output conn. Cannon XLR-3-11
41 H 772	336A	ZZ	2-conductor phone jack input to phono plug output; main body ½".
41 H 773	338A	YY	Phono plug one end with male microphone connector other end.
41 H 713	339	MM	As Type 335, but output conn. Switchcraft 2501F (Amphenol 75-MC1F) to input conn. Cannon XLR-3-12.
41 H 609	342	.....	Dual-purpose binding post/banana jack input to phone plug output.
41 H 460	343	PP	Phono jack input; phone plug output. Built-in limiting resistor for cord.
41 H 645	344	NN	Phono jack connector input to phone plug output.
41 H 649	346	XX	Tip jack input to phone plug output.
41 H 608	348	RR	Phono jack input to phono jack output.
40 H 382	345A	KK	Phone plug out; phono jack in.
41 H 774	349A	AB	Phono plug coupler mates with phono plug at each end; gray plastic.
41 H 657	44	CD	Adapts Amphenol Type 75-MC1F or 75-MC1F-A connectors for use with ¼" phone jacks.

PHOTO TUBE SOCKET



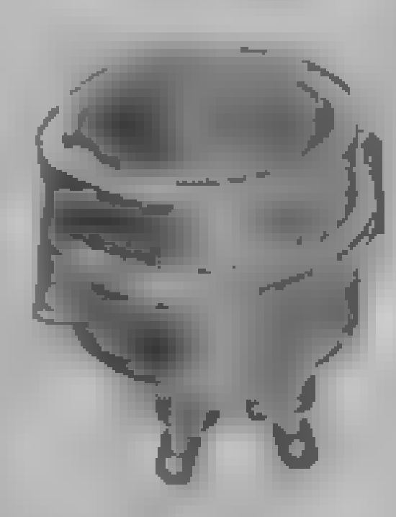
146-121. For maxi-
ficiency in all light-
ve tube applications
C-7026A, 921, 922
milar tubes. Mounts
of 10 positions on
s or panel. Single-
mica-filled molded
e construction. Shpg.
oz.
91. **NET... 2.41**

GH-VOLTAGE OCTAL SOCKET



146-101. Rugged octal type
ockets especially designed to
e maximum performance un-
emely high voltage contact-
sis conditions. Top-quality
als—molded of durable arc
g Melamine. Constructed to
modate octal tubes of any size
diameter of 1⅝" and a height
". Excellent for use with such
as 5Y4-G, 5U4-G, 6L6-G, etc. Two ⁹⁄₆₄"
ng holes are located on 2⅛" mounting
. Require 1¹¹⁄₁₆" diameter mounting hole.
wt., 4 oz.
088. **NET.......................88c**

HIGH-VOLTAGE TYPE SOCKET



146-812. Fourcontact, above
mounting plate type socket
gh voltage applications.
heat dissipation is aided by
admium plated mtg. plate.
" mtg. holes on 2⅞" mtg.
Requires 1⁴¹⁄₆₄" dia. mtg. hole.
wt., 4 oz.
089. **NET.........2.28**

HIGH-VOLTAGE 4-CONTACT SAFETY SOCKET

77A-4T. For hi-voltage
-base TV rectifier tubes.
all 4-pin types with
base diameter such as
. Socket is set at bottom
p molded bakelite shell.
a. holes, 1⅞" mtg. cen-
Requires 1½" dia. hole. Wt., 5 oz.
147. **NET.........................57c**

TELEVISION TUBE SOCKET

59-402. Duodecal sock-
cathode-ray tubes with
nally spaced pins on cir-
a. of 1.063". Bakelite
and removable cap elim-
shock hazard. Shpg.
5 oz.
100. **NET.......82c**

BARRIER-TYPE OCTAL SOCKETS

mum EIA working volt-
2,000 DC. Bronze clover-
movable contacts. Rated
s each contact. Inter-elec-
capacitance, 2.6 mmf.
ew terminals. Insulat-
iers. *Includes 4 molded-
aded inserts for use as tie points. Size:
1¹⁵⁄₁₆x2⅝". Mounting centers, 1¹¹⁄₁₆". Shpg.
oz.

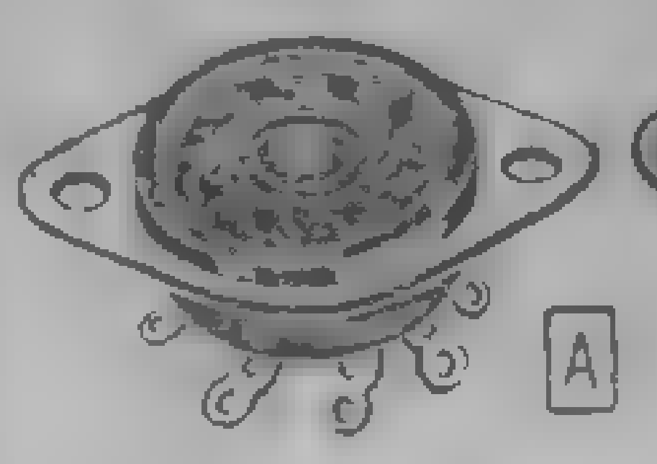
No.	Type	Mount	NET
180	146-103	Top	1.44
181	146-104*	Top	1.76
H 080	146-203	Bottom	1.44
087	146-204*	Bottom	1.76

OCKETS AND PLUGS

gle-contact sockets and
s. Molded bakelite bodies.
kets mount in ⅜" hole.
plied with Amphenol 2-11
ner ring. Contacts re-
d ⅛" to prevent shorts
possibility of shock from
sed metal. Av. shpg. wt., 1 oz.

ck No.	Type	Description	EACH
H 153	71-1L	Plug. Red. For 5⁄32" socket.	8¢
H 154	71-1L	Plug. Black. Same as above.	
H 156	71-1M	Plug. Red. For ⅛" socket.	
H 157	71-1M	Plug. Black. Same as above.	8¢
H 158	71-1S	Plug. Red. For 3⁄32" socket.	
H 159	71-1S	Plug. Black. Same as above.	
H 160	78-1L	Socket. Red. For 5⁄32" plug.	10¢
H 161	78-1L	Socket. Black. Same as above.	
H 162	78-1M	Socket. Red. For ⅛" plug.	
H 163	78-1M	Socket. Black. Same as above.	
H 164	78-1P	Socket. Red. Std. 080" phone tip.	10¢
H 165	78-1P	Socket. Black. Same as above.	
H 166	78-1S	Socket. Red. For 3⁄32" plug.	
H 167	78-1S	Socket. Black. Same as above	

POPULAR STANDARD SOCKETS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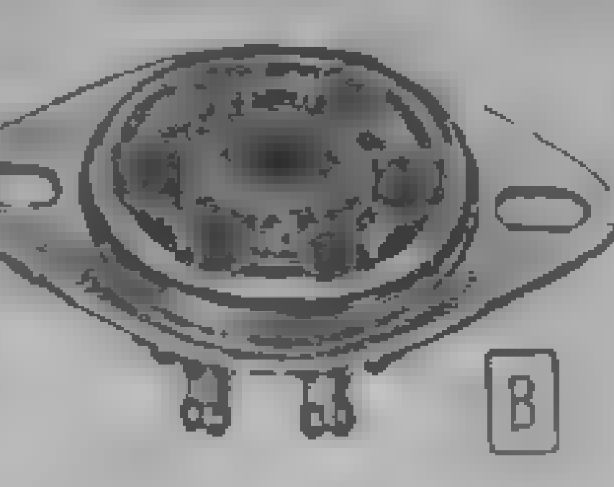
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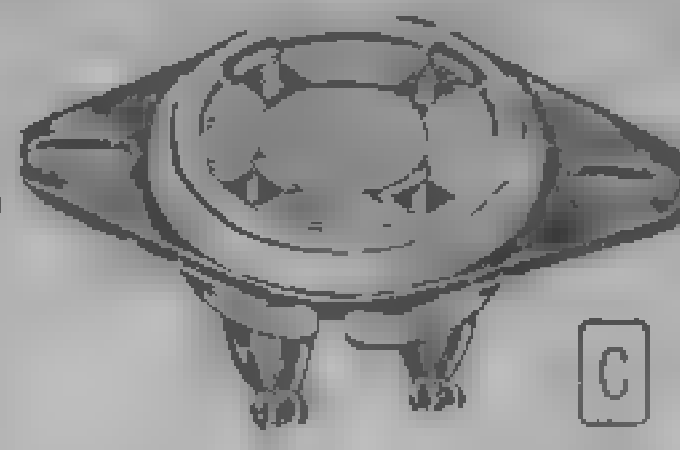
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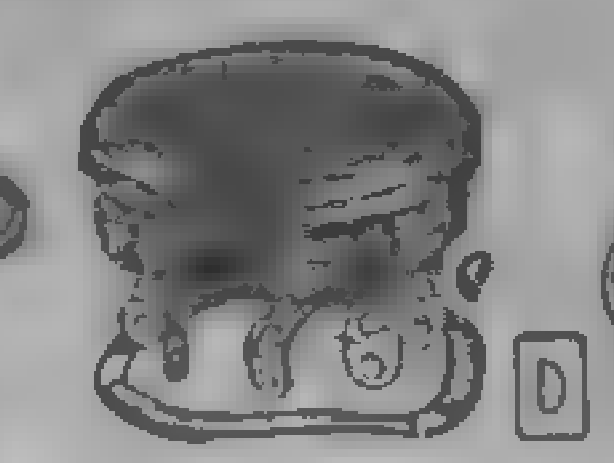
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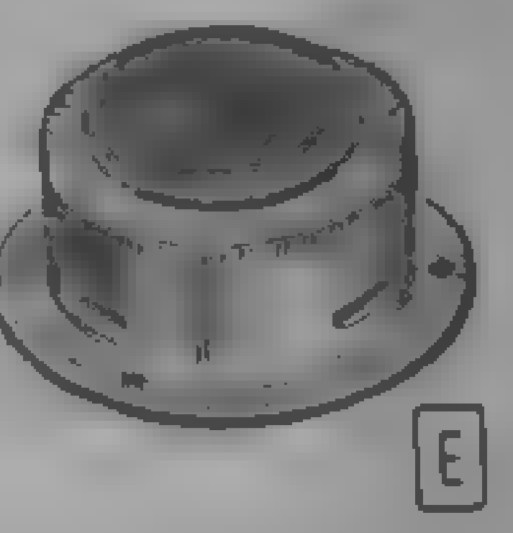

E

A **Type MIP.** Bakelite body with molded-in steel plate. *Require 1⅛" hole; mounting centers, 1⁹⁄₁₆". All others have 1⅛" mounting centers. †Requires 1⁵⁄₃₂" hole; others 1⁵⁄₁₆" hole. §Mica-filled bakelite. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	NET
40 H 024	77MIP4	4	13¢
40 H 025	77MIP5	5	15¢
40 H 026	77MIP6	6	17¢
40 H 027	77MIP7S	7 Small	18¢
40 H 029	77MIP7L†	7 Large	18¢
40 H 028	77MIP8	Octal	15¢
40 H 126	88-8*	Octal	16¢
40 H 030	88-8X*	Loctal	21¢
40 H 034	77MIP8T§	Octal	18¢
40 H 032	77MIP9	9	17¢
40 H 033	77MIP11	11	20¢
40 H 069	77MIP12	12	20¢
40 H 070	77MIP20	20	51¢

B **Type RS.** Molded bakelite body with removable mounting plate. For mounting in size 1¹¹⁄₆₄" hole. Slotted mounting holes to fit centers from 1½ to 1⅞". Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Prongs	NET
40 H 004	78RS4	4	17¢
40 H 005	78RS5	5	19¢
40 H 006	78RS6	6	20¢
40 H 007	78RS7S	7 Small	21¢
40 H 008	78RS8	Octal	19¢
40 H 010	78RS8L	Loctal	26¢
40 H 012	78RS9	9	22¢
40 H 071	78RS11	11	24¢

C **Type RSS.** Ultra-low-loss steatite replacement sockets. Ruggedly constructed. Adaptable to a wide variety of uses. Excellent for use in high-frequency transmitting equipment, etc. All are universal type; have removable mounting plate with slotted holes 1½ to 1⅞". Mounting hole, 1¼" except 40 H 079, which requires 1¹¹⁄₆₄". Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Prongs	NET
40 H 074	49RSS4	4	58¢
40 H 075	49RSS5	5	60¢
40 H 076	49RSS6	6	59¢
40 H 077	49RSS7S	7 Small	67¢
40 H 079	49RSS7L	7 Large	64¢
40 H 078	49RSS8	Octal	60¢

D **Type S.** High-dielectric molded bakelite body. Units are the same as Type RS, but without mounting plate. Mount quickly and easily without screws or rivets on panel or chassis up to .050" thick with retainer ring supplied. Ruggedly built for trouble-free service. Socket may be positioned to line up contacts for convenient wiring. Sockets in table below all require 1¹⁄₆₄" mounting hole. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Prongs	NET
40 H 054	78S4	4	12¢
40 H 055	78S5	5	13¢
40 H 056	78S6	6	15¢
40 H 057	78S7S	7 Small	16¢
40 H 058	78S8	Octal	15¢
40 H 062	78S9	9	17¢
40 H 060	78S8L	Loctal	21¢
40 H 072	78S11	11	19¢

E ACS SOCKET SHELL

Type 23-1S. Light aluminum shell, for Type RSS, RS and S sockets, above (except RSS7L). Extends sockets 1³⁄₁₆" above or below chassis. Body dia., 1¹¹⁄₁₆"; 2³⁄₁₆" base. 3 mtg. holes. Mounts in 1¼" hole. Less socket Wt., 5 oz.
40 H 127. **NET.............................14c**

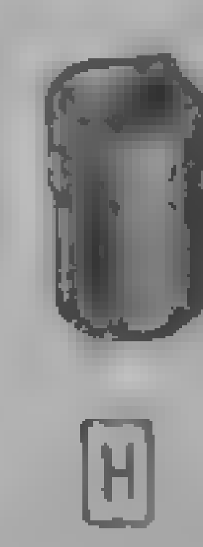
MINIATURE SOCKETS AND SHIELDS

BAKELITE AND STEATITE SOCKETS

Miniature sockets and shields. 147 series mount in ⅝" hole; ⅞" mtg. ctrs., with ⅛" holes. 59 series mount in ¾" hole and have 1⅛" mtg. ctrs. with .095" holes (except 40 H 103, .125"). *Steatite. ‡Black bakelite. †Mica-filled. Av. shpg. wt., 5 oz.

F

G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J

F WITHOUT TUBE SHIELD BASE

Stock No.	Type	Prongs	NET
40 H 191	‡147-500	7	20¢
40 H 192	*147-501	7	31¢
40 H 199	†147-505	7	21¢
40 H 193	‡59-409	9	25¢
40 H 167	†59-410	9	25¢

G WITH TUBE SHIELD BASE

Stock No.	Mfr's Type	Prongs	NET
40 H 194	‡147-905	7	27¢
40 H 195	*147-925	7	35¢
40 H 175	†147-913	7	27¢
40 H 103	‡59-403	9	38¢
40 H 176	†59-407	9	35¢
40 H 196	‡59-406	9	31¢

H TUBE SHIELDS

For 7-Contact Sockets

Stock No.	Type	Height	NET
40 H 197	5-401	1⅝"	15¢
40 H 198	5-402	1¾"	15¢

For 9-Contact Sockets

Stock No.	Type	Length	NET
40 H 188	5-405	1½"	13¢
40 H 189	5-408	1¹⁵⁄₁₆"	18¢
40 H 190	5-409	2⅜"	22¢

J RETAINER RING SOCKETS

Mount in ⅝" round or "D" shaped hole with retainer ring provided. May be used with 91-MPM series plugs, listed elsewhere. 5 oz.

BLACK BAKELITE

Stock No.	Type	Prongs	NET
40 H 131	78-S3S	3	9¢
40 H 115	78-S4S	4	12¢
40 H 122	78-S5S	5	15¢
40 H 130	78-S6S	6	16¢
40 H 120	78-7P	7	21¢
MICA-FILLED			
40 H 124	78-7PT	7	21¢

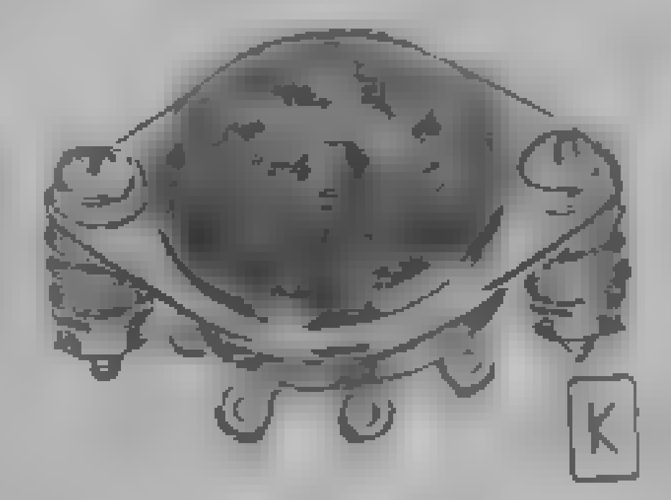
TYPE "S" MINIATURE SOCKETS

For modernizing any electronic equipment. Mount in standard 1¹¹⁄₆₄" chassis holes by means of retainer ring. High-dielectric molded bakelite. With retainer ring. 5 oz.

40 H 113. **78-A7P.** 7 Pin. **NET.......33¢**
40 H 114. **78-A9P.** 9 Pin. **NET.........32¢**

SPECIAL OCTAL AND MAGNAL SOCKETS

K **Type 77-MIP8FK Floating Octal.** Live-rubber grommets in enlarged mounting holes of sturdy steel plate. Mounts in 1³⁄₁₆" hole with two ¼" holes on 1½" centers. Supplied with grommets, mtg. screws, nuts, washers. Shpg. wt., 5 oz.
40 H 043. **NET EACH........30c**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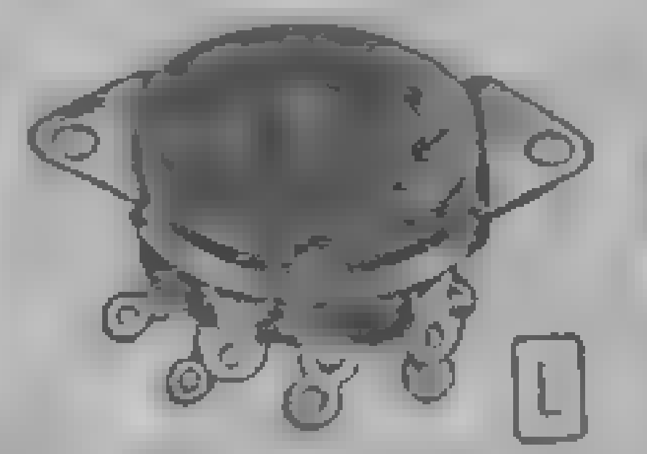
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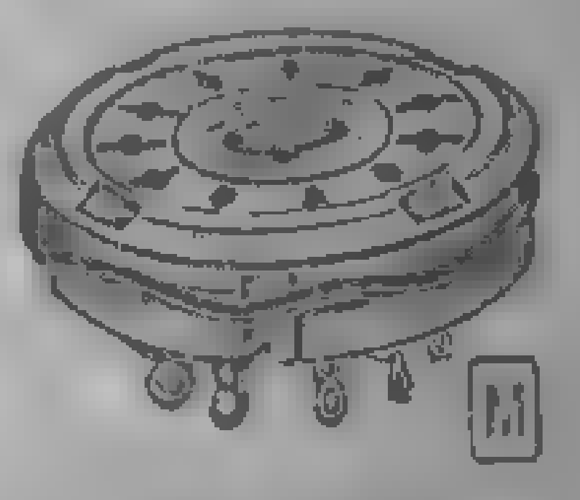
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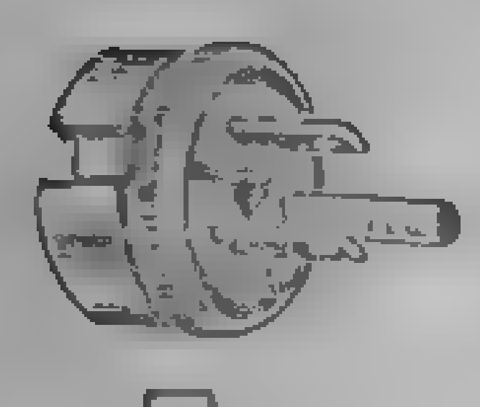
L **Type 168-015 Saddle Octal.** Designed for below-chassis mounting. Sturdy steel plate is molded directly into bakelite body—cannot come loose or vibrate. For 1" hole; ⁹⁄₆₄" mounting holes on 1⁵⁄₁₆" centers. Shpg. wt., 5 oz.
40 H 118. **NET EACH.................14c**

M **Type 49-SS11L Magnal.** Has 1¹⁄₁₆" pin circle to accept 11 prong cathode-ray tubes. Constructed from low loss steatite. Steel retaining ring for quick assembly. Requires 1⅝" mounting hole. Shpg. wt., 7 oz.
40 H 090. **NET EACH................82c**

Amphenol and Cinch-Jones Plugs and Sockets

AMPHENOL PLUGS AND SOCKETS

STANDARD AND GROUNDING-TYPE AC PLUGS AND SOCKETS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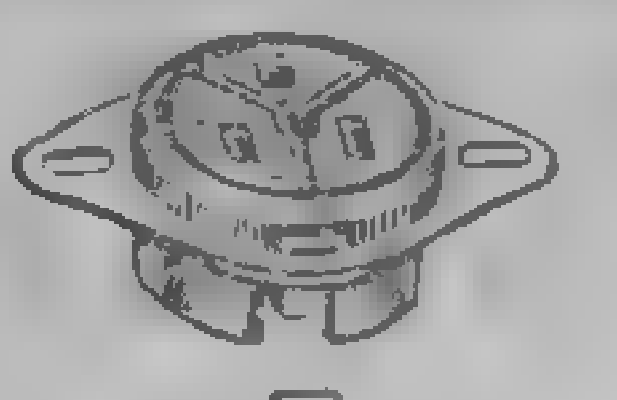
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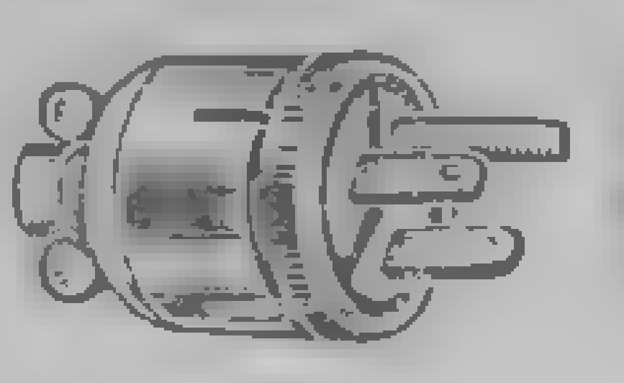
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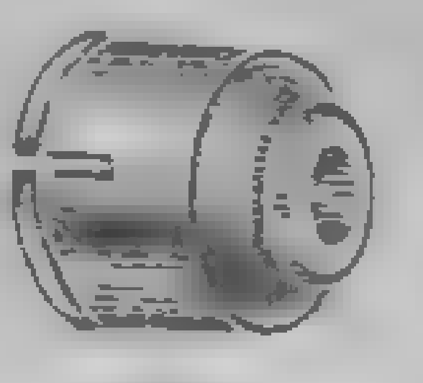
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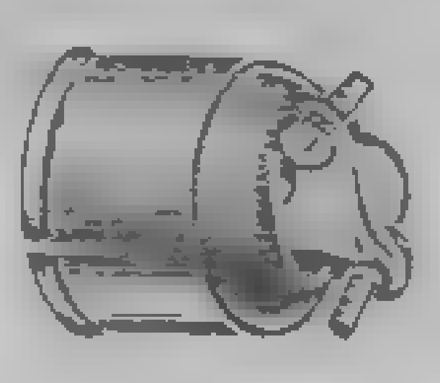
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Black phenolic insulated plugs and receptacles for AC use. Grounding types are recommended for use with appliances and tools. Rated 15 amps at 110 volts, 10 amps at 250 volts. U.L. Approved except Types 160-10 and 160-11 which must be grounded after mounting. Av. shpg. wt., 3 oz.

A **Retainer Ring Mounting Types.** For mounting in 1¹¹⁄₆₄″ keyed hole in chassis up to ⅛″ thick. *Include third terminal for ground wire.

Stock No.	Type	Description	NET
40 H 675	61-M	2-pole male	.27
40 H 677	61-F	2-pole female	.25
42 H 522	160-10*	2-pole female	.60
42 H 523	160-11*	2-pole male	1.09

B **Mounting Plate Types.** All have molded-in, steel mounting plates except Types 61-M1 and 61-F1 which have removable ring-mounted plates. All require 1⁹⁄₃₂″ mounting holes and have ⁵⁄₃₂″ slotted holes on 1½″ to 1⅞″ centers except Type 61-MIP-61F which requires 1³⁄₁₆″ mounting hole and has ⁵⁄₃₂″ holes on 1½″ mounting centers. *Include terminal for ground wire.

Stock No.	Type	Description	NET
40 H 680	61-M1	2-pole male	.31
40 H 682	61-F1	2-pole female	.30
42 H 524	160-2*	2-pole female	.72
42 H 525	160-3*	2-pole male	1.12
40 H 085	61-MIP-61F	2-pole female	.26

Type 61-61 Recessed Shell. Steel shell for converting Type 61 and 160 connectors (described above) to recessed mounting types (above right). Fits 1⁷⁄₁₆″ hole; 1¾″ mtg. centers. Lowers connector 1³⁄₁₆″ below surface of chassis. Shpg. wt., 2 oz.
40 H 086. NET........................11c

C **Recessed Mounting Types.** Consist of Types 61 and 160 plugs and sockets (left) mounted in Type 61-61 recessed shell (left). *Have ground wire terminal.

Stock No.	Type	Description	NET
40 H 685	61-M10	2-pole male	.42
40 H 687	61-F10	2-pole female	.41
42 H 526	160-4*	2-pole female	.83
42 H 527	160-5*	2-pole male	1.23

Cable Mounting Type. Shielded Steel-shelled, grounding-type plugs and sockets for use with AC cords. Types 160-6 and 160-7 have cable clamp (Fig. D) for up to ⅜″ cable; Types 160-8 and 160-9 have rubber grommet outlets (similar to Fig. E) for up to ³⁄₁₆″ cable.

Stock No.	Type	Description	NET
42 H 528	160-6	2-pole female	.75
42 H 529	160-7	2-pole male	1.13
42 H 535	160-8	2-pole female	.82
42 H 536	160-9	2-pole male	1.19

E **Type 3-13 Steel Cap.** Black enameled, drawn steel cap for use with Types 61 and 160 connectors. Can also be used with Type CP plugs for assembling power supply cables. Outlet has rubber grommet for up to ⁷⁄₁₆″ diameter cable. 1¹⁄₁₆″ long. Shpg. wt., 2 oz.
42 H 537. NET........................12¢

F **Type 3-24 Steel Cap.** Same as Type 3-13 above, but outlet is equipped with an adjustable cable clamp for cables up to ⅜″ diameter. Shpg. wt., 2 oz.
42 H 538. NET ....18¢

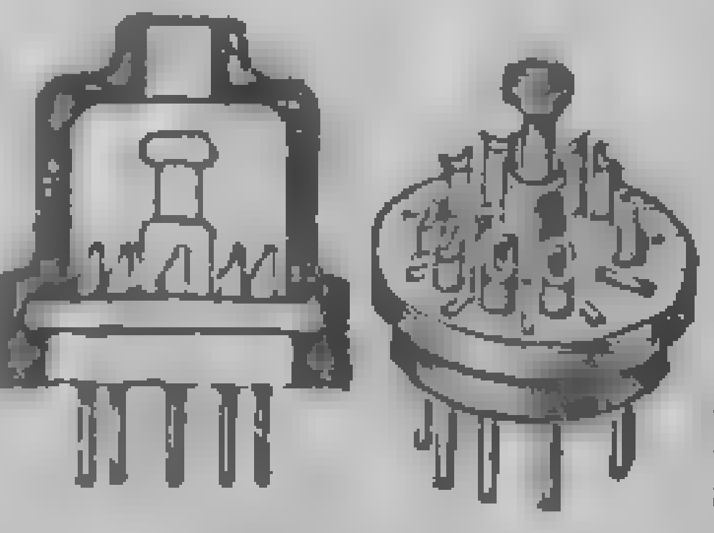
TYPE CP PLUGS

Standard bakelite plugs for use as chassis conn with plug-in units. "CP" quickly and easily ins without screws or rivet means of retainer rings adapter plate below for replacement mo With mounting ring for 1¹¹⁄₁₆″ holes e *1²¹⁄₆₄″ keyed hole. †Have guide post and ing key. Av. shpg. wt., 2 oz.

No.	Mfr's Type	Prongs	NET E
40 H 015	86-CP4	4	16
40 H 016	86-CP5	5	17
40 H 017	86-CP6	6	18
40 H 018	86-CP7L*	7-Large	21
40 H 019	86-CP7S	7-Small	19
40 H 020	86-CP8†	Octal	19
40 H 021	86-CP9†	9	20
40 H 022	86-CP11†	11	23¢
42 H 654	86-CP12†	12	22¢

Type 12-001-03 Adapter Plate. Nickel-steel. For use with all Type CP plugs except 86-CP7L. 1½″ to 1⅞″ mounting ce Shpg. wt., 2 oz.
40 H 023. NET........................

MINIATURE CP PLUGS

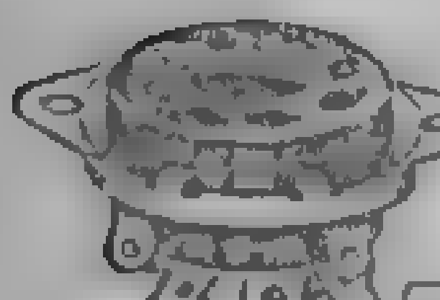


7 and 9 pin plug signed for min tube sockets. Fe molded-in strain post. High-quality tacts are gold ove ver-plate, for extre high conductivity. shpg. wt., 2 oz.

Stock No.	Type	Prongs
42 H 650	86-893	9
42 H 653	86-894	7 w/side outlet cap
42 H 651	86-895	7 with cap
42 H 649	86-896	7
42 H 652	86-897	9 with cap

CINCH-JONES PLUGS AND SOCKETS

OCTAL AND MINIATURE TUBE SOCKETS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G **Octal Sockets With 1⁵⁄₁₆″ Mounting Centers.** Molded from high dielectric black bakelite and low-loss, mica-filled bakelite. Have solder-coated brass contacts and sturdy steel pressed-on saddle with 4 ground lugs. Mount in 1″ chassis hole. Type 8AB is for general purpose applications; Type 8AM is for VHF applications. Shpg. wt., 2 oz.

Stock No.	Type	Description	NET
22 H 579	8AB	Black Bakelite	8¢
22 H 580	8AM	Mica-filled	12¢

H **Octal Sockets With 1½″ Mounting Centers.** Similar to above, have clinch-on saddle with 4 ground lugs; mount in 1⅛″ hole. Ceramic unit for UHF use. Av. shpg. wt., 2 oz.

Stock No.	Type	Description	NET
22 H 581	8EB	Black Bakelite	9¢
22 H 583	8EM	Mica-filled	13¢
22 H 582	8EC	Ceramic	45¢

Miniature Sockets—Bottom Mounting. Molded bakelite sockets. Solder-coated brass contacts; cadmium plated steel saddle. Types 7EB and 7EM mount in ⅝″ hole; ⅞″ mounting centers. Types 9EB and 9EM mount in ⅞″ hole; 1⅛″ mounting centers. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Description	NET
22 H 567	7EB	J	7-pin, bakelite	9¢
22 H 568	7EM	J	7-pin, mica-filled	11¢
22 H 594	9EB	K	9-pin, bakelite	12¢
22 H 595	9EM	K	9-pin, mica-filled	14¢

Miniature Sockets—Top Mounting. Molded bakelite sockets for mounting through top of chassis. Solder-coated brass contacts; cadmium plated steel saddle. Types 7AB1 and 7AM1 mount in ⅝″ hole; ⅞″ mounting centers. Types 9AB and 9AM mount in ¾″ hole; 1⅛″ mounting centers. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Description	NET
22 H 565	7AB1	J	7-pin, bakelite	9¢
22 H 566	7AM1	J	7-pin, mica-filled	11¢
22 H 592	9AB	K	9-pin, bakelite	12¢
22 H 593	9AM	K	9-pin, mica-filled	14¢

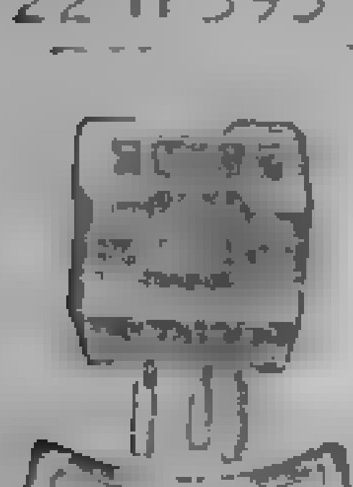
L **Ring-Mounting Octal Sockets.** Molded sockets with solder-coated brass contacts. Mount in 1¹¹⁄₆₄″ keyed hole. Retainer ring supplied. *Chassis thickness. Av. shpg. wt., 2 oz.

Stock No.	Type	Size*	Description	NET
22 H 584	8R1	¹⁄₁₆″	Black bakelite	18¢
22 H 586	8R3	¹⁄₁₆″	Mica-filled	21¢
22 H 587	8R4	³⁄₃₂″	Black bakelite	18¢
22 H 588	8R5	³⁄₃₂″	Mica-filled	21¢
22 H 585	8R2	⅛″	Black bakelite	18¢
22 H 589	8R6	⅛″	Mica-filled	21¢

22 H 590. Type 8RO Retainer Ring. Extra rings for above sockets. Wt., 1 oz. **NET**......4¢

22 H 591. Type 8AP Adapter Plate. For use with ring sockets when screw or rivet mounting is required. Slotted 1½″ to 1⅞″ mounting centers; 1¹¹⁄₆₄″ keyed hole. 1 oz. **NET** . ... 7¢

SUB-MINIATURE TUBE AND TRANSISTOR SOCKETS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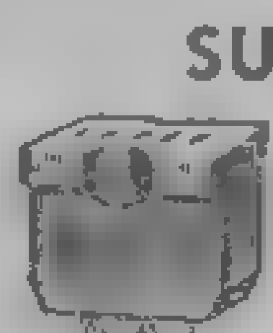
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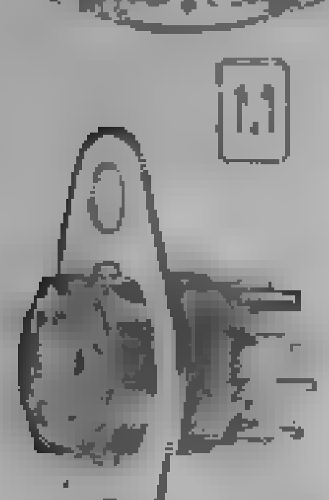
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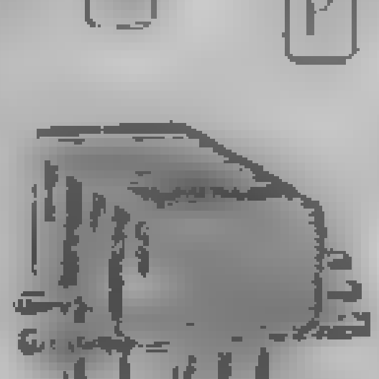
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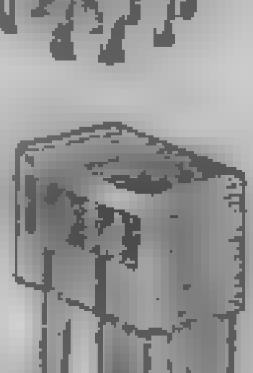
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Sub-Miniature Types. For hearing aids, miniature radios, etc. Mica-filled bakelite with silver-plated contacts. 4-prong miniature tubes and G.E. G11 and G11A transistors fit 2H5. *Mounting ring for Type 8SM. Av. shpg. wt., 2 oz.

Stock No.	Type	Pins	Fig.	NET	Stock No.	Type	Pins	Fig.	NET
40 H 294	2H3	3	M	20¢	40 H 242	8SM	8	P	.438
40 H 245	2H5	5	N	22¢	22 H 614	8SMP	8	R	.54
22 H 613	2H6	6	N	29¢	22 H 615	2MR	*	....	.018
40 H 247	2H7	7	N	31¢					

Transistor Types. 5-contact sockets; Type 5PC (Fig. S) for printed circuits; 5WC (Fig. T) for wired circuits. 2 oz.

Stock No.	Type	Size	NET	Stock No.	Type	Size	NET
40 H 249	5WC	⅜x⁷⁄₃₂x1⁷⁄₆₄″	.384	40 H 252	5PC	1³⁄₃₂x1⁷⁄₆₄x½″	.396

WAFER-TYPE SOCKETS

Sturdily constru laminated-bakelite sockets. *With c shield. †Fits Mallo brators 725C, 4513, and 4549. 2 oz.

Stock No.	Type	Centers	Pins	NE
22 H 616	4WX	1½″	4	
22 H 617	5WY	1½″	5	
22 H 618	6WZ	1½″	6	
22 H 619	7VS†	1½″	7	2
22 H 620	7WA	1½″	7 (large)	
22 H 621	7WU	1½″	7	
22 H 622	7W2A*	⅞″	7 (min.)	
22 H 623	7WL2*	1″	7 (min.)	
22 H 624	7WL4*	1⁵⁄₁₆″	7 (min.)	
22 H 625	8W1	1⁵⁄₁₆″	8	
22 H 626	8W2	1½″	8	
22 H 627	9W1*	1⅛″	9 (min.)	
22 H 628	9W2*	1⁵⁄₁₆″	9 (min.)	

TYPE 8PB 8-CONTACT PLUG

For making up to 8 connectior tween chassis. Molded black lite. Fits any octal socket. Use 16F shield, (below). Wt., 2 oz.
40 H 846. NET..........

Type 11PB 11-Contact Plug. Same as a but with 11 contacts. Molded black ba construction. Fits 11-contact socket, 11RB listed below. Use with type 16F sna shield, below. Shpg. wt., 2 oz.
40 H 847. NET........................

TYPE 16F STEEL SNAP-ON SHIELD

Cadmium-plated, durable steel shield. Sna 8PB and 11PB sockets, above. Rubber met with ²⁵⁄₆₄″ hole protects cable. 2 oz.
40 H 848. NET..... ....

TYPE 11RB 11-CONTACT SOCKET

Use with 11PB 11-contact (above). Precision molded high-dielectric, black ba Mount on ¹⁄₁₆″ thick chassis retaining ring. Use with 16F on shield (above) on ext cables. 2 oz.
40 H 849. NET...........2

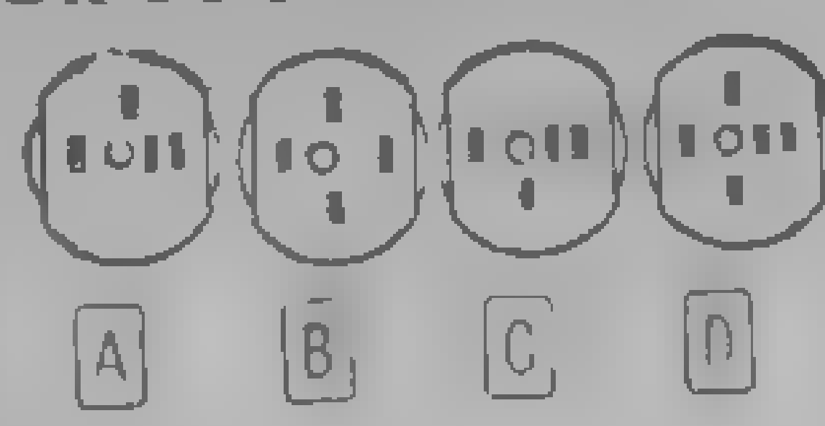
CHASSIS AC SOCKET

Type 2R2. Molded, black lite. Rated: 15 amp. at 110 amp at 250 v. Solder lug nals. Mounts in ⅜x¾″ hole ⁹⁄₆₄″ dia. mtg. holes on 1⅛″ ters. Size, 1½x½″. 2 oz.
40 H 830. NET.. ....

All-Purpose Sockets

ELCO TRANSISTOR AND TUBE SOCKETS

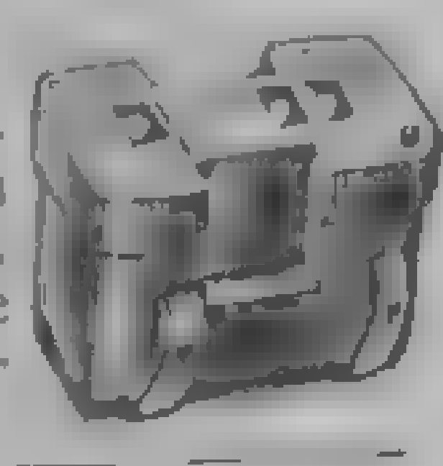
TRANSISTOR SOCKETS



niniature mica eliminate loss mage from di- oldering of tran- pins. For 3-pin stors with in- pins or 3 and 4- ransistors with on .200" diam. circle of any configuration. orm to MIL-P-14. *Ring only for 3304, 3310, 3313. †PC, mounting for printed its; MR, mounting ring. Av. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	†Mtg.	NET EACH
H 092	3301	A	Saddle	35¢
H 239	3306	B	Saddle	35¢
H 245	3309	C	Saddle	35¢
H 248	3312	D	Saddle	38¢
H 238	3303	A	PC	27¢
H 094	3305	A	PC	30¢
H 244	3308	B	PC	30¢
H 247	3311	C	PC	30¢
H 093	3304	A	MR	26¢
H 243	3307	B	MR	26¢
H 246	3310	C	MR	26¢
H 249	3313	D	MR	29¢
H 095	757	*	MR	3¢

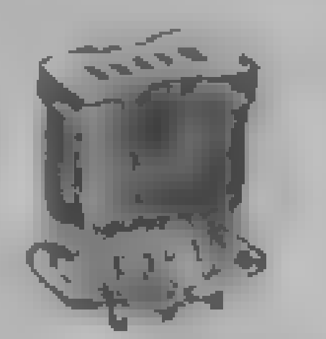
NTED CIRCUIT SOCKETS



llent selection of sub-minia- mica filled phenolic sockets se on printed circuit boards. transistors and sub-miniature tubes. All contacts gold flash- Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Prongs	NET EACH
H 062	786BC	3	18¢
H 063	805BC	4	18¢
H 064	788BC	5	19¢
H 072	815BC	6	20¢
H 073	792BC	7	21¢

AINER MOUNT SOCKETS



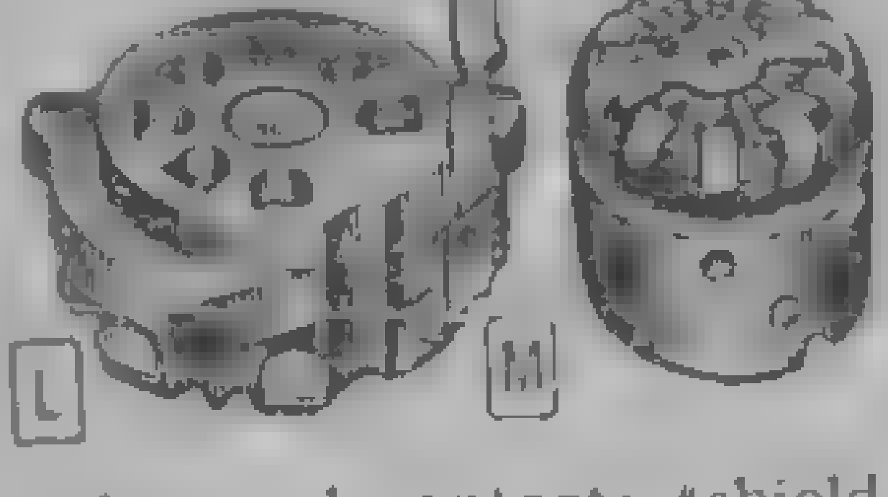
ine sockets of mica filled phe- For transistors and submini- tubes. Contacts are gold d. Require retainers listed. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Prongs	NET EACH
H 074	799BC	3	16¢
H 080	803BC	4	17¢
H 081	770BC	5	17¢
H 091	813BC	6	18¢
H 096	790BC	7	20¢

RETAINERS

Stock No.	Mfr's Type	For Type No.	NET EACH
41 H 097	777	799BC, 803BC, 770BC	2¢
41 H 098	834	813BC	2½¢
41 H 099	768	790BC	2½¢

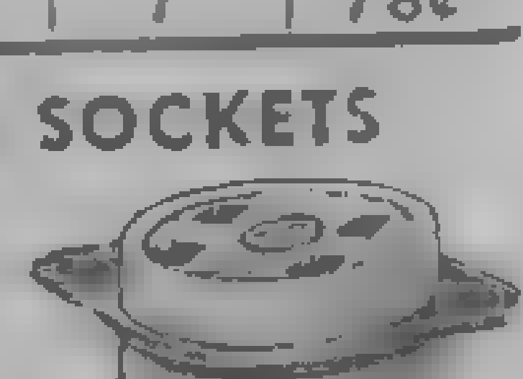
PRINTED CIRCUIT TUBE SOCKETS



endable 7 and pin miniature, d octal-type ckets specially gned for use in nted circuit plications. All e low-loss mica ulation. *Bottom solder; †top der; §shield base; ‡ground contact; #shield ntact. All units have tin-leaded brass con- s except 612PH, tin-lead plated bronze; BC, silver-plated beryllium copper; 622- HSP, silver-plated bronze. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Pins	EACH
41 H 551	612PH*	L	Octal	36¢
42 H 410	646*‡	L	7	13¢
42 H 412	648*#	L	7	14¢
42 H 414	658†‡	L	9	18¢
42 H 416	660†#	L	9	18¢
42 H 417	623BC§	M	9	91¢
42 H 418	622PHSP§	M	7	78¢

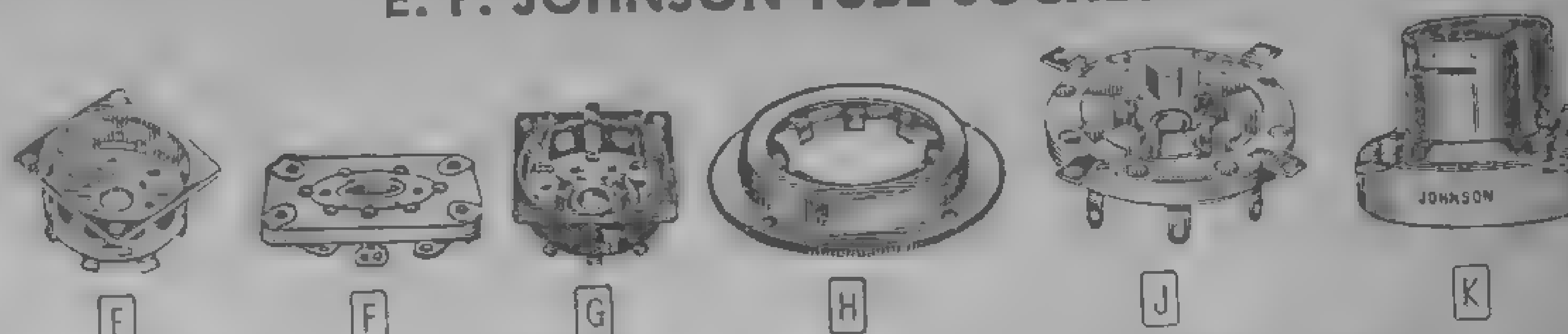
JAMES MILLEN TUBE SOCKETS



ecommended for UHF use. igher steatite body gives nger leakage path between ntacts. Mounting centers, 1⅛". Shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
72 H 060	33004	4	45c
72 H 061	33005	5	
72 H 062	33006	6	
72 H 064	33008	8	

E. F. JOHNSON TUBE SOCKETS



SPECIAL SOCKET TYPES

E **Type 122-105.** 7-pin VHF steatite socket for 5894, 6524, 6252 tubes. Ventilated aluminum shell. Shpg. wt., 10 oz.
73 H 996. NET......................1.45

F **Type 122-244.** 4-pin steatite for "super jumbo" tubes. Takes 8008, BR6, SC22, 5C22, GL146, GL152, GL159, GL169, RO585, RH507, SR50, SR53, SK60, FG105. Wt., ½ lb.
73 H 997. NET......................1.60

F **Type 122-275.** Steatite socket for giant 5-pin base tubes. Takes 4-125A, 4-250A, RK28, RK48, 125M, 803. Shpg. wt., 10 oz.
73 H 998. NET 1.90

G **Type 122-101.** 7-pin steatite with base shield and retainer springs. For use with 4-65A, 826, 829, 832, etc. Shpg. wt., ½ lb.
73 H 245. NET......................2.35

H **Type 124-113 Capacitor-Mount.** 1450 mmfd mica screen by-pass. Tested 1000 v. DC. For 124-109 and 124-114 sockets. 6 oz.
73 H 999. NET......................5.00

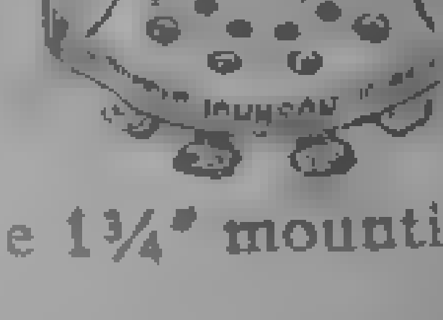
J **Type 124-114.** Socket for 4X150A, 4X250B, 7034, 7035, etc. Shpg. wt., ½ lb.
73 H 995. NET . .5.65

BAYONET SOCKETS

K **Type 123-209.** For tubes with 4 prong "UX" base; 852, 860, 866 tubes, etc. 4 mtg. holes. 2⁵⁄₁₆" centers. Shpg. wt., 10 oz.
73 H 195. NET...................1.50

K **Type 123-211.** Porcelain base socket for use with "jumbo"-type 4-pin tubes. Takes 211, 872 tubes, etc. Mounting centers are spaced 2¹¹⁄₁₆". Shpg. wt., 1 lb.
73 H 191. NET........ ....1.95

STANDARD WAFERS

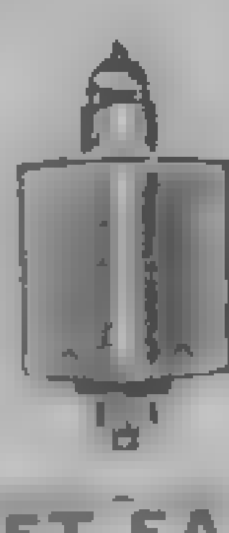


Steatite wafer sockets designed to meet general requirements of receiving, low-power transmitting tubes. All types have cadmium-plated contacts. Bases are glazed steatite. Size, 2⁵⁄₁₆"x1¹¹⁄₁₆". Sockets have 1¾" mounting centers. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Prongs	NET
73 H 238	122-224	4	69¢
73 H 239	122-225	5	76¢
73 H 241	122-227	7	90¢
73 H 243	122-228	Octal	97¢

VECTOR SOCKETS

PLUG-IN UNITS



Consist of standard tube socket, tubular terminal post, octal plug and shield can. Can sizes: B10M and B10N, 1.37" square, 2.5" long; C10M and C10N, 2" square, 2.5" long. Av. shpg. wt., 5 oz.

Stock No.	Type	Description	NET EA.
40 H 237	B10M	7-pin Miniature	1.87
40 H 238	B10N	9-pin Noval	1.91
40 H 241	C10M	7-pin Miniature	2.17
40 H 239	C10N	9-pin Noval	2.20

TUBE ADAPTER TEST KIT

Type T-789. Ideal for making voltage, resistance and wave form measurements from tube side of chassis. A valuable aid for on-the-spot repair. Set contains 1—7-pin, 1—9-pin miniature, and 1 octal adapter in plastic carrying case. ⅓₂" diam. holes in recessed tabs for test prod points. Adapters will fit into tube shield bases. Shpg. wt., 6 oz.
40 H 210. NET 5.78

SOCKET-TURRETS

Terminal structures for use in single or multi-stage sub-assemblies. Components mount on phenolic form. Turrets are ½" diam. Octal units mount in 1" hole; miniatures, ⅝" hole. Av. shpg. wt., 3 oz.

2½" Turret. Has 9 terminals in two rings spaced 1⅜" apart.

Stock No.	Type	Socket	NET
40 H 211	10-0-9T	Octal	62¢

2" Turrets. 9 terminals in two rings, 1" apart.

Stock No.	Type	Socket	NET
40 H 212	8-0-9T	Octal	59¢
40 H 217	8-M-9T	7-Pin Min.	68¢
40 H 233	8-N-9T	9-Pin Noval	68¢

1½" Turrets. Have 6 terminals in one ring.

Stock No.	Type	Socket	NET
40 H 213	6-O-6T	Octal	53¢
40 H 218	6-M-6T	7-Pin Min.	59¢
40 H 234	6-N-6T	9-Pin Noval	62¢

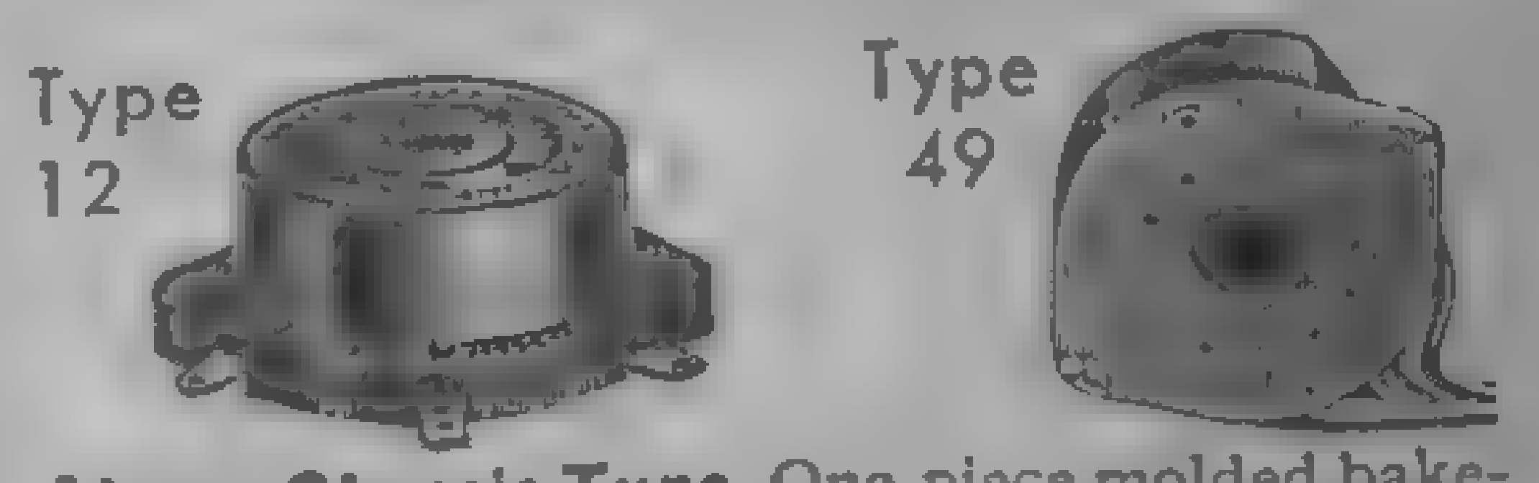
Shield Bases. For miniature sockets above. Fasten above chassis on socket mtg. centers. Use with standard bayonet type shield. 2 oz.

Stock No.	Type	Description	NET
40 H 235	S7	For 7-pin sockets	9¢
40 H 236	S9	For 9-pin sockets	9¢

RAY-PAR ANTI-CORONA SOCKET

Octal socket for 1B3 high-voltage rectifier tube. Corona ring minimizes breakdown. Laminated bakelite. Mounts on insulator or high-voltage capacitor with screw type terminal. Shpg. wt., 3 oz.
40 H 446. NET 44c

EBY SOCKETS

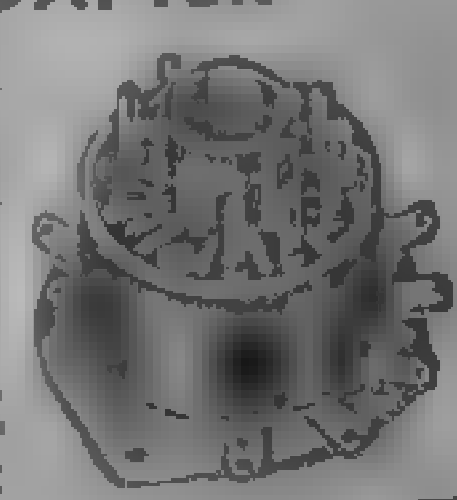


Above-Chassis Type. One-piece molded bakelite construction, for top-of-chassis or panel mounting. Contact designations molded in base. Mounting centers, 1¹¹⁄₁₆". Shpg. wt., 2 oz.

Stock No.	Type	Prongs	1-9, EA.	10-49, EA
40 H 254	12-4	4	30¢	28¢
40 H 255	12-5	5	32¢	30¢
40 H 256	12-6	6	34¢	32¢
40 H 261	12-7-N-O	7L & 7S	35¢	32¢
40 H 258	12-8	Octal	39¢	36¢

TV Tube Socket Type 49-13DD. All-molded bakelite, duo-decal TV tube socket for magnetic or electrostatic focusing tubes. Complete with 18" leads. Shpg. wt., 4 oz.
40 H 291. 10-49, EA....43¢ **1-9, EA.**...47¢

CRT TEST SOCKET ADAPTER



TV picture tube socket adapter, easy to install or remove. External lugs permit checking all CRT pin voltages while set is in operation. No wiring or soldering required. Wt., 3 oz.
40 H 273. 1-9, EACH...94c
10-49, EACH .... 84¢

POMONA SOCKET SAVERS

Rigidly-mounting socket savers of durable phenolic material with long-life metal contacts. Protect your tube tester sockets from wear caused by repeated tube insertions. Does away with time consuming socket replacements. Prevents tube tester sockets from developing loose, worn contacts which cause inaccurate test readings. No wiring or soldering is necessary—the socket saver plugs into original socket. With threaded bolt and nut. For 7 and 9-pin miniature and octal sockets. Av. shpg. wt., 3 oz.

Stock No.	Type	Description	NET
40 H 668	SS-7	For 7-pin min.	1.71
40 H 669	SS-8	For 8-pin octal	
40 H 678	SS-9	For 9-pin min.	

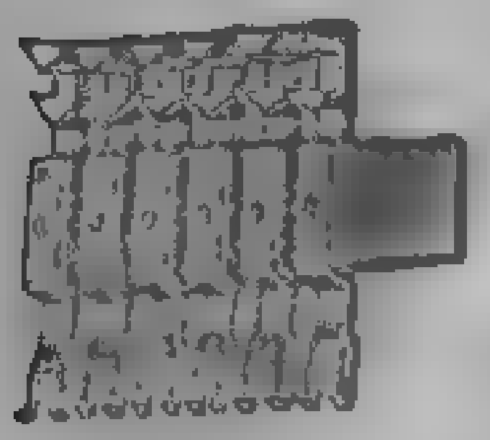
POMONA 110° CONVERSION ADAPTERS

Model 110-S. Sylvania Type. Efficient conversion adapter socket for duo-decal test equipment. No rewiring necessary—plug in adapter to convert for 110° socket. Has 0.820" pin circle dia. 7 pins, .093" dia. Shpg. wt., 4 oz.
40 H 683. NET........................1.52

Model 110-R. RCA Type. As above but has 0.600" pin circle dia. 8 pins, .040" dia. Wt., 5 oz.
40 H 684. NET........................1.52

Cinch-Jones Strips, Terminals, Sockets

FANNING STRIPS



For neat, highly dependable terminal wiring. Insure correct, positive firm connections. Ideal for cable or harness wiring. These units simplify assembly—connections can be made before putting strip into assembly. Facilitate disconnecting sub-assemblies for servicing. Last letter in Type No. indicates right or left mounting hole position. Laminated bakelite. Terminals made of .032" thick brass. Av. shpg. wt., 3 oz.

Series 160. Fit Series 140 barrier terminals below. Terminals are mounted on 3/32" bakelite, ½" wide and on ⅜" centers.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
41 H 808	2-160L	2	.08	40 H 956	2-160R	2	.08
41 H 809	3-160L	3	.13	40 H 957	3-160R	3	.13
41 H 812	4-160L	4	.16	40 H 958	4-160R	4	.16
41 H 813	5-160L	5	.21	40 H 959	5-160R	5	.21
41 H 814	6-160L	6	.25	40 H 960	6-160R	6	.25
41 H 817	8-160L	8	.33	40 H 961	8-160R	8	.33
41 H 818	10-160L	10	.42	40 H 962	10-160R	10	.42
41 H 819	12-160L	12	.50	40 H 963	12-160R	12	.50

Series 161. Fit Series 141 barrier terminals below. Terminals are mounted on 3/32" bakelite, ⅝" wide and on 7/16" centers.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
41 H 822	2 161L	2	.09	40 H 964	2-161R	2	.09
41 H 823	3-161L	3	.13	40 H 965	3-161R	3	.13
41 H 824	4-161L	4	.17	40 H 966	4-161R	4	.17
41 H 827	5 161L	5	.21	40 H 967	5-161R	5	.21
41 H 828	6-161L	6	.26	40 H 968	6-161R	6	.26
41 H 829	8 161L	8	.34	40 H 969	8 161R	8	.34
41 H 832	10-161L	10	.43	40 H 970	10-161R	10	.43
41 H 833	12-161L	12	.51	40 H 971	12-161R	12	.51

Series 162. Fit Series 142 barrier terminals below. Terminals are mounted on 3/32" bakelite, ⅝" wide and on 9/16" centers.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
41 H 834	2 162L	2	.11	40 H 972	2 162R	2	.11
41 H 843	3-162L	3	.15	40 H 973	3-162R	3	.15
41 H 844	4-162L	4	.19	40 H 974	4-162R	4	.19
41 H 845	5-162L	5	.23	40 H 975	5 162R	5	.23
41 H 846	6-162L	6	.28	40 H 976	6-162R	6	.28
41 H 847	8-162L	8	.36	40 H 977	8-162R	8	.36
41 H 848	10 162L	10	.45	40 H 978	10-162R	10	.45
41 H 849	12-162L	12	.52	40 H 979	12-162R	12	.52

BARRIER TERMINAL STRIPS

Barriers between each terminal provide increased insulation. Excellent for industrial and experimental applications. Barriers follow edge of strips and terminate at base. Make a long leakage path and prevent direct shorts caused by frayed wires at the terminals. Base is molded bakelite, with mounting holes at ends. Eyelets and binder screws of nickel-plated brass; terminals of hot tin-finish brass. Barrier-type terminals and fanning strips, when used together, insure positive contact and firm connections. No. 140 terminal strips have 5-40x3/16" binder head screws, ¼" metal-to-metal spacing. No. 141 terminal strips have 6-32x¼" binder head screws, ⅜" metal-to-metal spacing. No. 142 terminal strips have 8 32x5/16" binder head screws, 9/16" metal to metal spacing. Av. shpg. wt., 5 oz.

Series 140. Metal to-metal spacing over bakelite ¼". Base ⅞" wide x3/32" high. ⅜" centers. Use with Series 160 fanning strips.

Stock No.	Mfr's Type	Term.	NET EACH	Stock No.	Mfr's Type	Term.	NET EACH
41 H 580	1-140	1	.09	41 H 806	12-140	12	.67
41 H 800	2 140	2	.14	41 H 584	13 140	13	.73
41 H 801	3-140	3	.20	41 H 585	14-140	14	.79
41 H 803	4-140	4	.25	41 H 586	15-140	15	.84
41 H 807	5-140	5	.31	41 H 587	16 140	16	.89
41 H 802	6-140	6	.35	41 H 588	17-140	17	.94
41 H 581	7-140	7	.41	41 H 589	18-140	18	1.00
41 H 804	8 140	8	.46	41 H 590	19 140	19	1.05
41 H 582	9 140	9	.52	41 H 591	20-140	20	1.10
41 H 805	10-140	10	.57	41 H 592	21-140	21	1.16
41 H 583	11 140	11	.62				

Series 141. Metal-to-metal spacing over bakelite ⅜". Base 1⅛" wide x ½" high. 7/16" centers. Use with Series 161 fanning strips.

Stock No.	Mfr's Type	Term.	NET EACH	Stock No.	Mfr's Type	Term.	NET EACH
41 H 835	2 141	2	.19	41 H 840	10-141	10	.73
41 H 836	3 141	3	.25	41 H 841	12-141	12	.86
41 H 837	4-141	4	.32	41 H 876	14-141	14	1.00
41 H 842	5 141	5	.39	41 H 877	16-141	16	1.14
41 H 838	6-141	6	.45	41 H 878	18 141	18	1.27
41 H 839	8-141	8	.59	41 H 879	20-141	20	1.41

Series 142. Metal-to-metal spacing over bakelite 9/16". Base 1 5/16" wide x ⅝" high. 9/16" centers. Use with Series 162 fanning strips.

Stock No.	Mfr's Type	Term.	NET EACH	Stock No.	Mfr's Type	Term.	NET EACH
41 H 670	2-142	2	.22	41 H 680	12-142	12	1.06
41 H 671	3 142	3	.31	41 H 881	13 142	13	1.14
41 H 672	4-142	4	.39	41 H 882	14-142	14	1.22
41 H 673	5-142	5	.47	41 H 883	15-142	15	1.31
41 H 674	6 142	6	.55	41 H 884	16 142	16	1.39
41 H 676	8-142	8	.72	41 H 886	17-142	17	1.47
41 H 678	10-142	10	.89				

Y

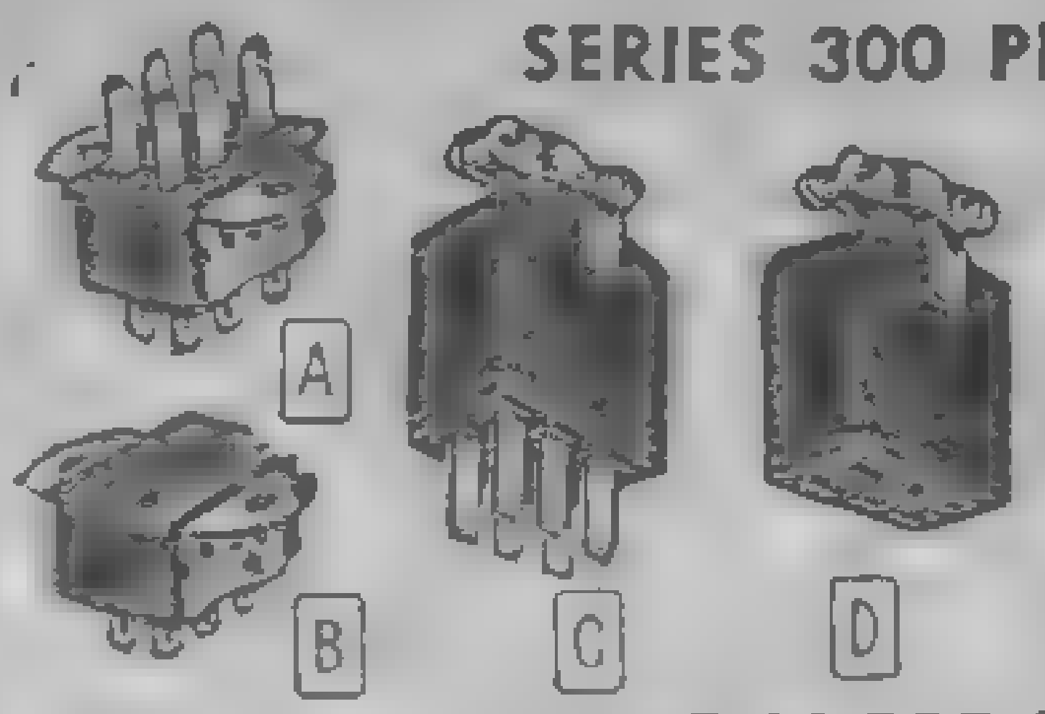
¾W

ADAPTER SOLDER TERMINALS

Adapt barrier strips (listed above) to permit top-side or underside solder connections. Type ¾W permits top-side soldering to barrier terminals; Type Y is for underside solder connections. Made of brass; hot-tin finish. Assure positive solder connections. Fasten securely under binder head screws. Av. shpg. wt., 3 oz.

TYPE ¾ W				TYPE Y			
Stock No.	Mfr's Type	For Series	NET EACH	Stock No.	Mfr's Type	For Series	NET EACH
22 H 640	¾W-140	140	.030	22 H 269	Y-140	140	.030
22 H 641	¾W-141	141	.035	22 H 270	Y 141	141	.035
22 H 642	¾W-142	142	.040	22 H 271	Y-142	142	.040

SERIES 300 PLUGS & SOCKETS



Compact units rated 730 volts rms 10 amps. Metal caps; bakelite bc Phosphor-bronze socket contacts gage both sides of plug contacts. U are polarized; plugs with 24 or m contacts have positioning pin. I contacts are 1/16" wide by 1/64" thi *Round shell; others rectangular. shpg. wt., 3 oz.

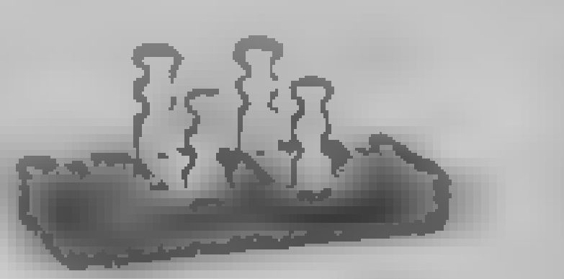
TYPE AB FOR CHASSIS MOUNTING

A PLUGS				B SOCKETS		
Contacts	Stock No.	Type	NET	Stock No.	Type	NE
2	40 H 870	P-302-AB*	.19	40 H 880	S-302-AB*	.
3	40 H 871	P-303-AB	.24	40 H 881	S-303-AB	.
4	40 H 872	P-304-AB	.27	40 H 882	S-304-AB	.
6	40 H 873	P-306-AB	.33	40 H 883	S-306-AB	.
8	40 H 874	P-308-AB	.39	40 H 884	S-308-AB	.
10	40 H 875	P-310-AB	.45	40 H 885	S-310-AB	.
12	40 H 876	P-312-AB	.49	40 H 886	S-312-AB	.
15	40 H 816	P-315-AB	.66	40 H 864	S-315-AB	.7
18	40 H 817	P-318-AB	.82	40 H 865	S-318-AB	.
21	40 H 818	P-321-AB	1.03	40 H 866	S-321-AB	1.
24	40 H 819	P-324-AB	1.24	40 H 867	S 324-AB	1.
27	40 H 820	P-327-AB	1.47	40 H 868	S-327-AB	1.
30	40 H 821	P-330-AB	1.68	40 H 869	S-330-AB	1.
33	40 H 822	P-333-AB	1.89	40 H 877	S-333-AB	2.

TYPE CCT WITH CABLE CLAMP

C PLUGS				D SOCKETS		
Contacts	Stock No.	Type	NET	Stock No.	Type	NE
2	40 H 802	P-302 CCT*	.45	40 H 852	S-302-CCT*	.
3	40 H 803	P-303-CCT	.48	40 H 853	S-303-CCT	.
4	40 H 804	P-304-CCT	.53	40 H 854	S-304-CCT	.
6	40 H 806	P-306-CCT	.58	40 H 856	S-306-CCT	.
8	40 H 808	P-308-CCT	.64	40 H 858	S-308-CCT	.
10	40 H 810	P-310-CCT	.72	40 H 860	S-310-CCT	.
12	40 H 812	P 312-CCT	.79	40 H 862	S-312-CCT	.
15	40 H 805	P 315-CCT	1.03	40 H 850	S-315-CCT	1.
18	40 H 807	P-318 CCT	1.24	40 H 851	S-318 CCT	1.
21	40 H 809	P-321-CCT	1.47	40 H 855	S-321-CCT	1.
24	40 H 811	P-324 CCT	1.73	40 H 857	S-324-CCT	1.
27	40 H 813	P-327-CCT	1.96	40 H 859	S-327-CCT	2.
30	40 H 814	P-330-CCT	2.29	40 H 861	S-330-CCT	2.4
33	40 H 815	P-333-CCT	2.45	40 H 863	S-333-CCT	2.

SERIES 170 TERMINAL STRIPS



Terminal strips with extra-heavy solder te- nals. Ideal for industrial users, experimental l etc. Black molded bakelite insulation, 9/16" wide, thick. Terminals are mounted on ⅜" cente Mounting holes are ⅜" from center of end termir. Terminals are .032" brass, tin plated. Double-notched solder termir for rapid soldering or wrap-around connections. Av. shpg. wt., 5

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NE
40 H 990	1 170	1	.15	40 H 995	6-170	6	.3
40 H 991	2 170	2	.19	40 H 996	7-170	7	.3
40 H 992	3-170	3	.22	40 H 997	8-170	8	.4
40 H 993	4 170	4	.27	40 H 998	9-170	9	.4
40 H 994	5-170	5	.31	40 H 999	10-170	10	.4

SERIES 2000 TERMINAL STRIPS

Terminals are made of .019" brass, tin-plat and spaced on 5/16" centers. Molded bake insulation. Mounting brackets are made cadmium-plated steel. Mounting holes at e end of bracket. Av. shpg. wt., 2 oz.

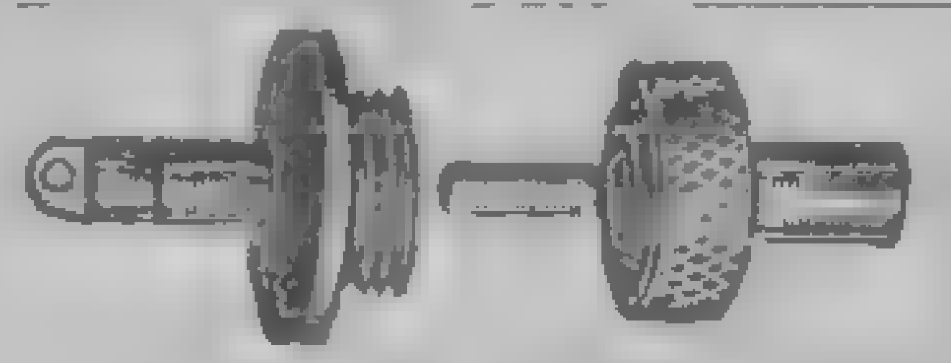
Stock No.	Mfr's Type	Term	Mtg. Ctrs.	NET	Stock No.	Mfr's Type	Term	Mtg. Ctrs.	NE
41 H 687	2002	2	1"	.06	41 H 691	2006	6	2¼"	.
41 H 688	2003	3	1 5/16"	.07	41 H 693	2008	8	2⅞"	.
41 H 689	2004	4	1⅝"	.08	41 H 695	2010	10	3½"	.
41 H 690	2005	5	1 11/16"	.09	41 H 697	2012	12	4⅛"	.

CABLE CLAMPS

Cable clamps for fanning strips above. Made of nickel-pla brass, with 6-32 round head screws. Serve as strain relief a anchor cable securely. Sizes shown are I.D. Shpg. wt , 2

Stock No.	Mfr's Type	Size	NET EA.	Stock No.	Mfr's Type	Size	N E
41 H 852	CC-161-4	¼"	.12	41 H 857	CC-161-10	⅝"	.
41 H 853	CC-161-6	⅜"	.12	41 H 858	CC-161-12	¾"	.
41 H 854	CC-161-8	½"	.13	41 H 859	CC-161-14	⅞"	.

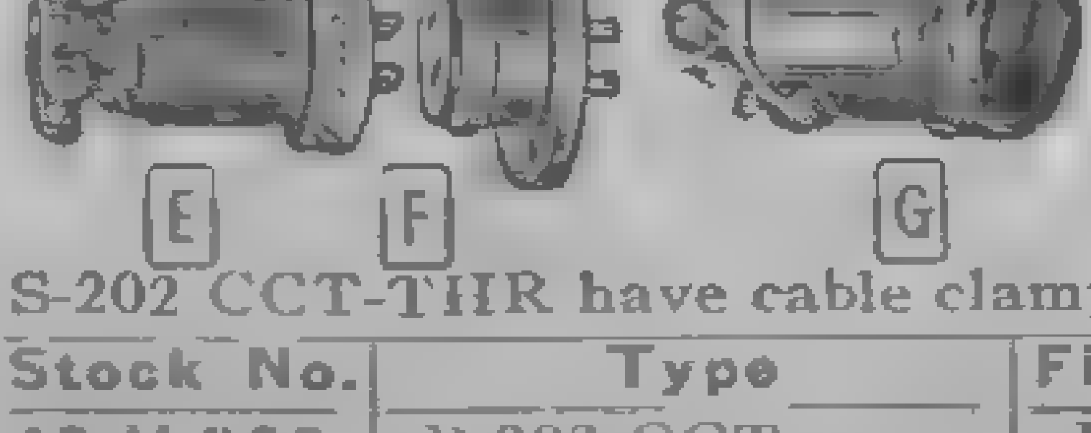
SERIES 101 PLUG AND SOCKET



Low-loss plug and socket for high-f quency RF use. For coax or shielde cond. Cadmium-plated brass; prong, tacts, silver-plated. Shpg. wt., 4 oz.

Stock No.	Type	Description	NET	Stock No.	Type	Description	N
40 H 825	P-101	½" Plug	.70	40 H 835	S-101	⅞" Socket	.

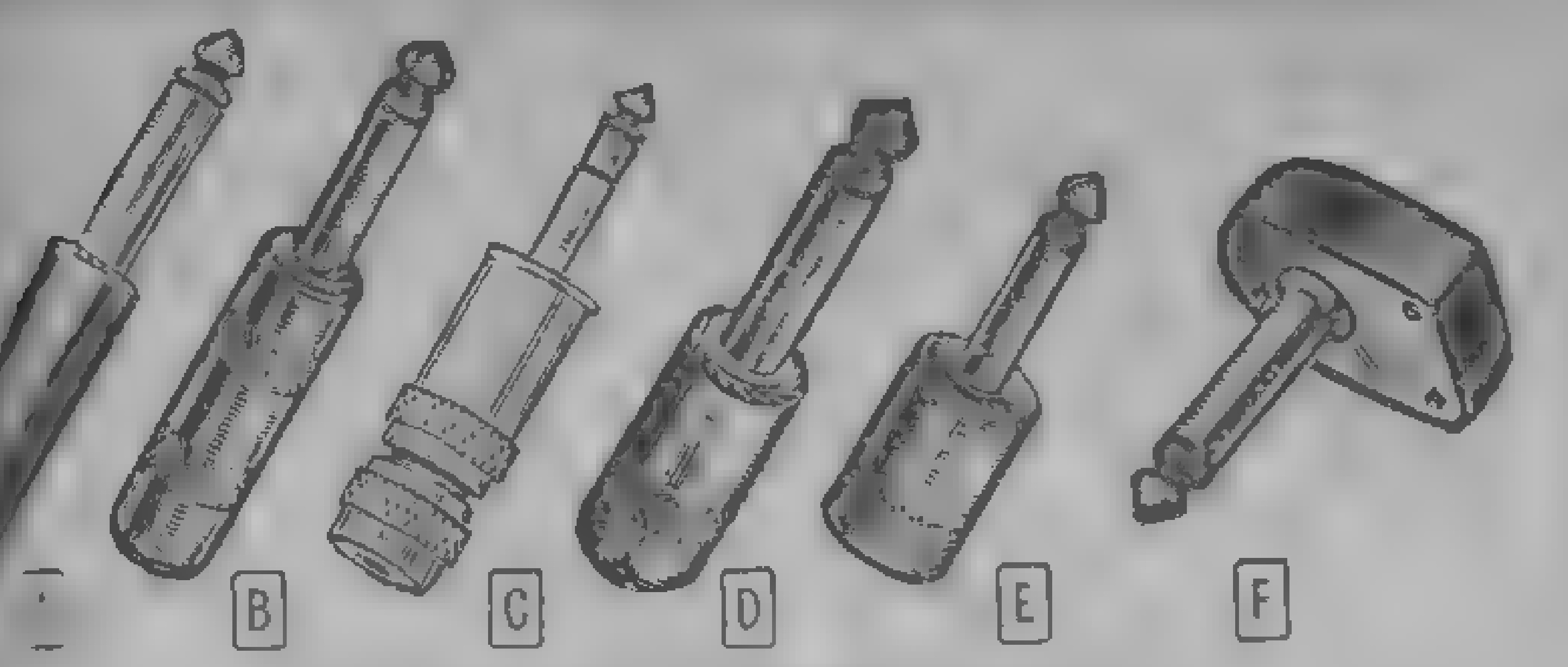
SERIES 202 PLUGS AND SOCKETS



Cadmium-plated brass plugs sockets. Type P-202-CCT is po ized. Knurled nut. Type S-20 socket mtg. holes, No. 30 dril 1" centers. All units have ¾" thread. Type P-202-CCT S-202 CCT-THR have cable clamp. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NE
40 H 980	P-202-CCT	E	Plug, 2 contact	.6
40 H 982	S-202-B	F	Socket, base mounting	.7
40 H 981	S-202-CCT-THR	G	Socket, extension	.87

Switchcraft Plugs and Jacks



"LITTEL-PLUG" PHONE PLUGS

ze phone plugs; fit standard ¼" phone jacks, except *Types S280, .206" sleeve for S-11 "Littel Jax" and for Bell and Howell nt; †Type R280 which has short sleeve for Revere recorders. th solder terminals feature built-in cable clamp; others do not cable clamp. Metal (shielded) handles are nickel-plated brass. are 1¹¹⁄₁₆" long; ½" dia. Av. shpg. wt., 4 oz.

	Mfr's Type	Fig.	Cond.	Handle Color	Ter.	NET EACH
553	240	A	2	Black	Screw	44¢
554	245	A	2	Red	Screw	44¢
511	250	A	2	Black	Solder	41¢
614	S250*	A	2	Black	Solder	44¢
612	255	A	2	Red	Solder	41¢
555	260	A	3	Black	Screw	71¢
616	267	A	3	Black	Solder	62¢
573	270	B	2	Metal	Screw	62¢
613	280	B	2	Metal	Solder	59¢
556	R280†	B	2	Metal	Solder	73¢
719	S280*	B	2	Metal	Solder	59¢
617	297	B	3	Metal	Solder	76¢

STANDARD PHONE PLUGS

-size ¼" phone plugs. Metal (shielded), red or black bakelite ; 2¼" long, ¾" dia., except *1" long. Type 170 is similar to 70, 2-piece handle with cable clamp for ¼" cable. No. 190A is to 90, but has same handle as 170. Av. shpg. wt., 5 oz.

k	Mfr's Type	Fig.	Cond.	Handle Color	Ter.	NET EACH
557	40	A	2	Black	Screw	.44
447	45	A	2	Red	Screw	.44
558	60	A	3	Black	Solder	.62
559	70	B	2	Metal	Screw	.71
560	90*	E	3	Metal	Solder	.76
561	160*	[illegible]	2	Metal	Screw	.53
562	170	C	2	Metal	Screw	.97
563	190A	C	3	Metal	Solder	1.15

"LUG-PLUG" PHONE PLUGS

t, two-conductor, phone plugs. All fit ¼" jacks except, *fits S-11 ax. Have solder terminals. Exterior parts bright nickel plated. black handles are 1⅝" long, ½" diameter. Types 380 and 385 elded handles 1" long. Av. wt., 4 oz.

ck o.	Mfr's Type	Fig.	Handle Color	NET EACH
564	350	A	Black	32¢
565	355	A	Red	32¢
566	380	D	Metal	41¢
448	385*	D	Metal	59¢

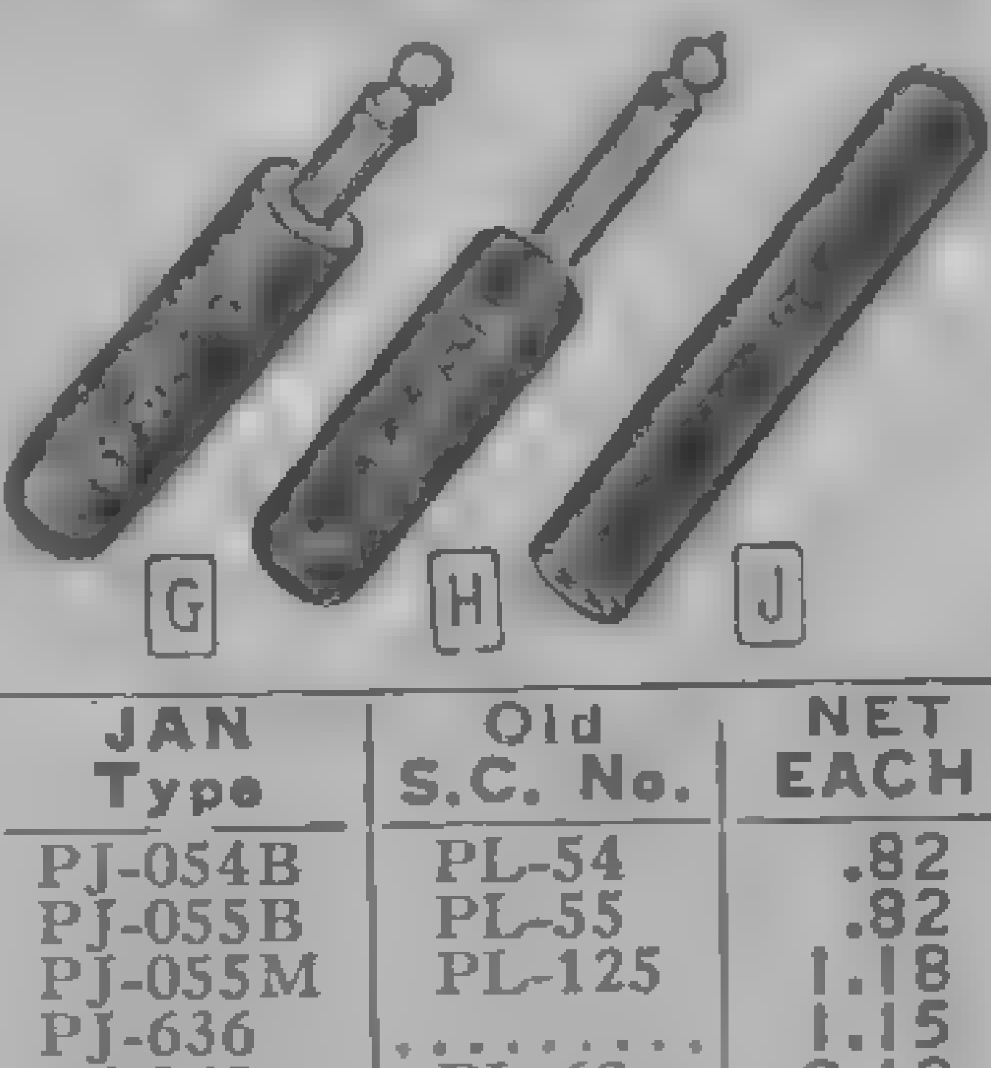
FLAT PHONE PLUGS

one plugs featuring flat, space-saving handles. Ideal for applica- where conventional plugs would protrude too far and interfere operation of equipment, prevent installation in tight quarters. asily removable plastic handle. Screw terminals on Types 220 25 will accept standard phone tips. Terminals and body are ically interlocked. Shpg. wt., 4 oz.

ock No.	Mfr's Type	Fig.	Cond.	Handle Color	Ter.	NET EACH
621	220	F	2	Black	Screw	53¢
567	225	F	2	Red	Screw	53¢
568	230	F	3	Black	Screw	76¢
569	235	F	3	Red	Screw	76¢

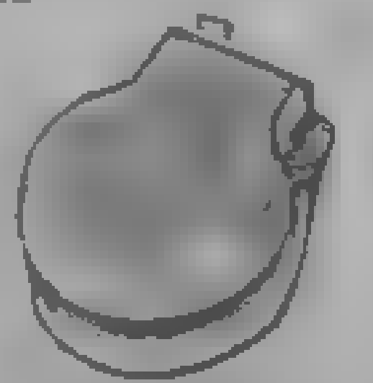
ITARY-TYPE "LITTEL-PLUGS" AND EXTENSION JACK

exacting industrial and military ements. Plugs are made in ac- e with MIL-P-642A specs, 475, made to MIL P-642(1). 320 extension jack is designed to MIL-J-641A specs. Firm internal ; parts. Black plastic handles; handles. Extension jack fits 430 "Littel-Plug." All have screw als. †Built-in cable clamp. Av. t., 5 oz.



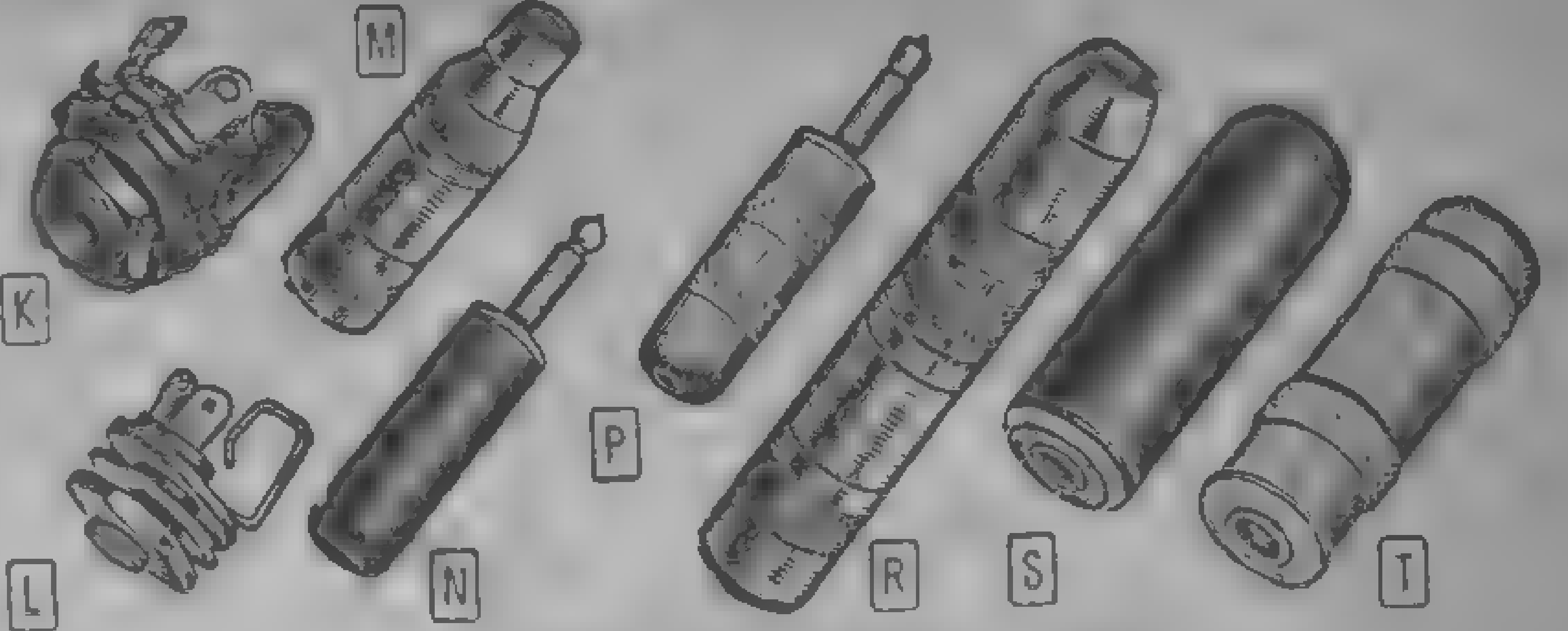
ck o.	Mfr's Type	Fig.	Cond.	JAN Type	Old S.C. No.	NET EACH
570	430	G	2	PJ-054B	PL-54	.82
618	440	G	2	PJ-055B	PL-55	.82
449	470*	G	2	PJ-055M	PL-125	1.18
461	475*†	H	2	PJ-636	....	1.15
602	480	H	3	PJ-068	PL-68	2.12
619	820	J	2	JJ-026	JK-26	1.18

SERIES 500 JACK COVERS



spring-loaded jack covers. Snap over jack openings plug is removed; provide dust and moisture-proof seals. th conventional ⅝"-32 threaded bushing type jacks. ut seals into molded rubber washer when closed. 3 oz.

	Type	Color	NET	No.	Type	Color	NET
490	510	Olive Drab	.62	41 H 492	515	Black	.62
491	512	Bright Nickel	.62	41 H 493	520	Navy Gray	.62



"LITTEL-JAX" PHONE JACKS

K Take standard ¼" phone plugs, except *S-11, which takes S250, S280 and 385 plugs, and C-12B which takes 480 Military-type, "Littel-Plug" ¾" dia., 1½" overall, with a ⅜" dia. threaded shank, ½" long. L-11 and L-12A have bushing ⅜" long. SCC indicates single closed circuit: OC indicates open circuit. Av. shpg. wt., 3 oz.

No.	Type	Diag.	Cond.	Circuit	JAN Type	NET
41 H 622	11	I	2	OC	....	24¢
41 H 623	C-11	I	2	OC	JJ 034	35¢
41 H 479	L-11	I	2	OC	....	29¢
41 H 607	S-11*	I	2	OC	....	26¢
41 H 624	12A	II	2	SCC	....	26¢
41 H 631	C-12A	II	2	SCC	JJ-089	44¢
41 H 469	L-12A	II	2	SCC	......	32¢
41 H 632	12B	III	3	OC		32¢
41 H 633	C-12B	III	3	OC	JJ 033	41¢
41 H 634	13B	IV	3	SCC		44¢

"TINI-JAX" SUB-MINIATURE PHONE JACKS

L Extra-small 2-conductor jacks for "Tini-Plugs". ¹¹⁄₁₆" long, fit ¼" hole. OC, open circuit; CC, closed circuit. Av. shpg. wt., 2 oz.

41 H 516	41	I	2	OC	....	24¢
41 H 517	42A	II	2	CC	....	26¢

M **New Type 125 "Tini-Extension Jax".** Two-conductor; solder lug terminals. Mates with "Tini-Plugs", below. Wt., 2 oz.
41 H 472. NET..73c

"TINI-PLUGS" SUB-MINIATURE PHONE PLUGS

N P For use with "Tini-Jax". 1⅝" overall length. 2-conductor. Handles are "Ethocel" plastic or nickeled brass. Shpg. wt., 2 oz.

Stock No.	Type	Fig.	Ter.	Handle	NET
41 H 518	740	N	Screw	Black	44¢
41 H 519	745	N	Screw	Red	44¢
41 H 520	750	N	Solder	Black	41¢
41 H 521	755	N	Solder	Red	41¢
41 H 522	770	P	Screw	Shielded	62¢
41 H 523	780	P	Solder	Shielded	59¢

"EXTENSION JAX" CABLE EXTENSION JACKS

R S T Fit standard ¼" plugs. ¹¹⁄₁₆" O.D.; 2⅝" long. 121 and 131 ½" O.D.; 2½" long. Black handles are durable plastic "Ethocel;" shielded handles are nickeled brass. All are open circuit type. 3 oz.

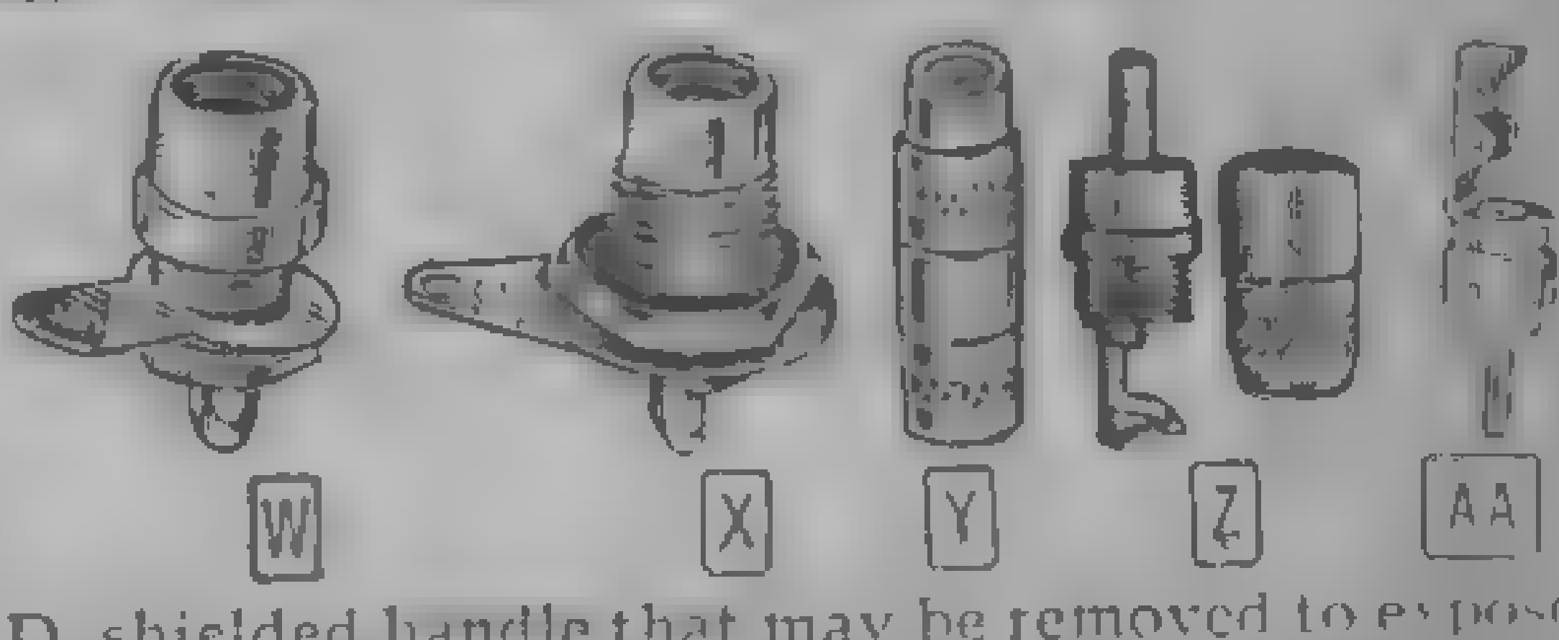
Stock No.	Type	Fig.	Cond.	Ter.	Handle	NET
41 H 571	80	S	2	Screw	Black	.68
41 H 718	88	S	2	Solder	Black	.59
41 H 572	120	T	2	Screw	Shielded	.91
41 H 473	121	R	2	Solder	Shielded	.94
41 H 474	131	R	3	Solder	Shielded	1.18
41 H 717	1230	T	3	Screw	Shielded	1.15

"MT-JAX" SWITCHBOARD-TYPE JACKS

Meet Military specifications. ⁹⁄₁₆" wide, 3¹⁄₁₆" long. Fit ¹⁵⁄₃₂" hole. CC, closed circuit; OC, open circuit. Shpg. wt., 3 oz.

Stock No.	Type	Diag.	Cond.	Circuit	JAN	NET
41 H 603	MT-331	I	2	OC	JJ-086	.88
41 H 604	MT-332A	II	2	CC	JJ-024	1.00
41 H 606	MT-332B	III	3	OC	JJ-022	1.00
41 H 477	MT-332C	VI	4	CC; OC	JJ-016	1.15
41 H 478	MT-334B	V	4	2—CC	JJ-042	1.18

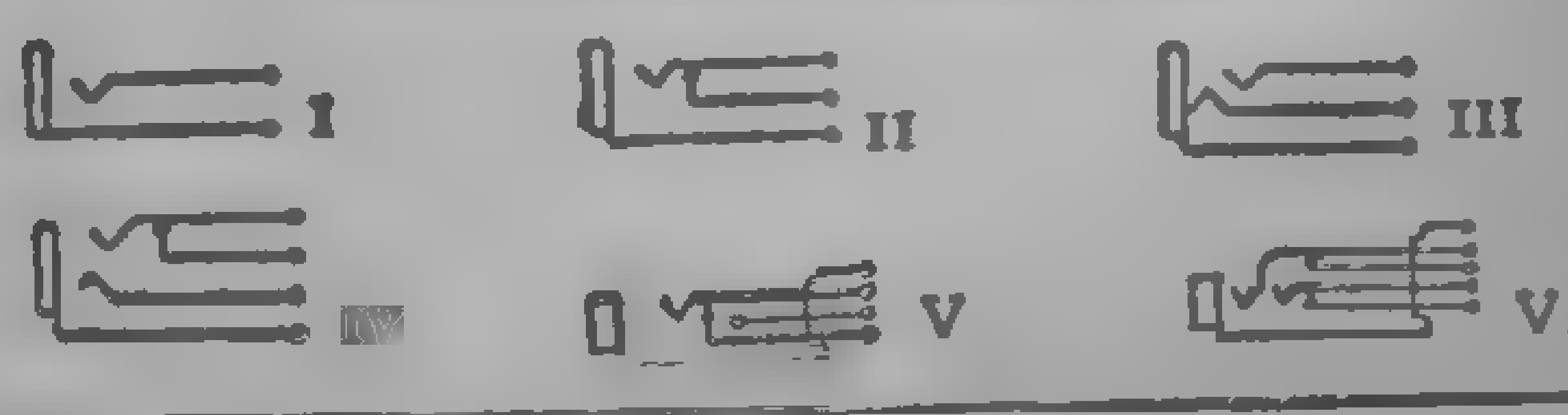
MINIATURE PHONO JACKS AND PLUGS



New, easily-installed phono jacks and plugs. 3501FP for front panel mounting in ¼" hole—fits panel up to ⅛" thick. 3501-FR for rear panel mounting in ⅜" hole —fits panel up to ¹³⁄₆₄" thick. 3502 has ¹³⁄₃₂" O.D. shielded handle that may be removed to expose terminals. 3501MC is unshielded, has ⅜" O.D. shell with cable clamp. Av. shpg. wt., 3 oz.

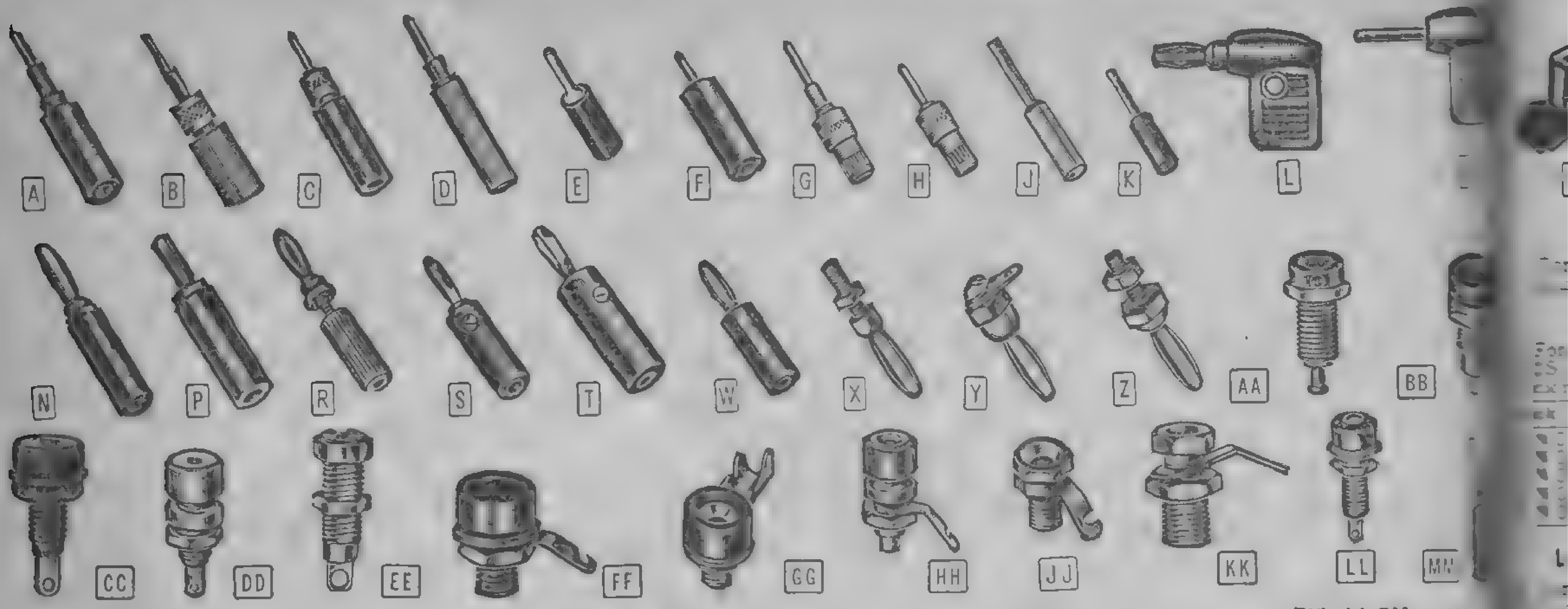
41 H 758. Type 3501FP Jack (Fig. W). **NET**..................21c
41 H 759. Type 3501FR Jack (Fig. X). **NET**..................24¢
41 H 778. Type 3503 Extension Jack (Fig. Y). **NET**..........35¢
41 H 762. Type 3502 Plug (Fig. Z). **NET**....................29¢
41 H 763. Type 3501MC Plug (Fig. AA). **NET**..................9¢

JACK SCHEMATIC DIAGRAMS



H. H. Smith Plugs and Jacks

TIP PLUGS, BANANA PLUGS AND MATCHING JACKS



INSULATED TIP PLUGS

A Type 229 Heavy Duty Phone Tip Plug. Molded bakelite handle. One-piece, nickel-plated brass construction for heavier-current use. 2⅛" long. Shpg. wt., 3 oz.

41 H 536. Red
41 H 537. Black
41 H 538. Yellow
41 H 539. Green
41 H 540. Blue
1-9, NET EACH 15c
10-49, EACH.................13¢

B Type 200 "Senior" Solderless Phone Tip Plug. Knurled nut tightens against wire, making soldering unnecessary. Plug is made of nickel-plated brass; bakelite handle. 2¼" long. Shpg. wt., 3 oz.

41 H 250. Red
41 H 255. Black
41 H 415. Yellow
41 H 416. Green
41 H 417. Blue
1-9, NET EACH 15c
10-49, EACH..................13¢

C Type 201 "Junior" Solderless Phone Tip Plug. Has same tightening assembly in body of plug as Type 200, above. Bakelite handle; nickel-plated brass. 2" long. Shpg. wt., 3 oz.

41 H 542. Red
41 H 543. Black
41 H 544. Yellow
41 H 545. Green
41 H 546. Blue
1-9, NET EACH 15c
10-49, EACH..................13¢

D Type 270 Subminiature Phone Tip. ¼" O.D. bone fiber handle. Nickel-plated brass tip. 1 11/16" overall length. 2 oz.

41 H 547. Red **1-9,**
41 H 548. Black NET EA. 18c
10-49, EACH..................16¢

E Type 237. For standard tip jacks. 1 3/16" long. 3 oz.

41 H 260. Red **1-9,**
41 H 261. Black NET EA. 10c
10-49, EACH..................9¢

F Type 203 Short Phone Tip Plug. Shoulderless tip permits insertion all the way up to insulated handle. Handle is molded bakelite. Nickel-plated brass tip. 1 11/16" long. Shpg. wt., 3 oz.

41 H 575. Red
41 H 576. Black
41 H 577. Yellow
41 H 578. Green
41 H 579. Blue
1-9, NET EACH 12c
10-49, EACH . . ..11¢

NON-INSULATED TIP PLUGS

G Type 105 "Senior" Solderless Phone Tip Plug. Has knurled nut for fastening wire. 1 15/16" long. Shpg. wt., 2 oz.

41 H 240. 1-9, NET EACH. 10c
10-49, EACH..................9¢

H Type 106 "Junior" Solderless Phone Tip Plug. As above, but 1 3/16" long. 2 oz.

41 H 230. 1-9, NET EACH. 10c
10-49, EACH..................9¢

J Type 123 Heavy-Duty Cord Tip. Fits standard phone tip jacks. 1" long. Shpg. wt., 2 oz.

41 H 125. 1-9, NET EACH.. 3c
10-49, EACH.................2½¢

NON-INSULATED TIP PLUG

K Type 108 Standard Cord Tip. For instruments, test panels, headphones, etc. Length, 1". Shpg. wt., 2 oz.

41 H 200. 1-9, NET EA... 2½c
10-49, EACH.....................2¢

MOLDED METER PLUGS

L Type 255 Banana-Type Meter Plug. Four-leaved phosphor bronze spring; nickel-plated. Tip is 15/16" long. Wt., 2 oz.

41 H 467. Red **1-9,**
41 H 468. Black NET EA. 35c
10-49, EACH..................31¢

M Type 235 Meter Tip Plug. Molded in two halves for easy assembly with screw and nut. Nickel-plated tip is ½" long. 2 oz.

41 H 203. Red **1-9,**
41 H 204. Black NET EA. 26c
10-49, EACH..................24¢

BANANA PLUGS

N Type 212 Insulated, Spring Tip. Molded Bakelite handle. Wire can be soldered to brass stud supplied, or directly into plug. Length, 1⅞". Shpg. wt., 2 oz.

41 H 593. Red
41 H 594. Black
41 H 595. Yellow
41 H 596. Green
41 H 597. Blue
1-9, NET EACH 21c
10-49, EACH...................19¢

P Type 253 Insulated, Split Tip. Nickel-plated, cross-slotted tip. Wire can be soldered to brass stud supplied or directly into plug. 1⅝". Shpg. wt., 2 oz.

41 H 428. Red
41 H 427. Black
41 H 067. Yellow
41 H 068. Green
41 H 069. Blue
1-9, NET EACH 18c
10-49, EACH..................16¢

R Type 236 Insulated, Spring Tip. Tenite handle. Silver-plated tip. Fits all standard banana jacks. Four leaved spring provides lasting contact. Has curved contact area to assure high current handling capacity. Length, 1 15/16". Shpg. wt., 2 oz.

41 H 407. Red **1-9,**
41 H 408. Black NET EA. 32c
10-49, EACH..................28¢

S Type 204 Insulated, Spring Tip. Solderless; has set screw in bakelite handle. Nickel-plated tip. Length, 1 11/16". Wt., 2 oz.

41 H 405. Red
41 H 410. Black
41 H 402. Yellow
41 H 403. Green
41 H 404. Blue
1-9, NET EACH 18c
10-49, EACH.................16¢

T Type 213 Insulated, Split Tip. Solderless; set screw in handle. 1 5/16". Shpg. wt., 2 oz.

41 H 425. Red
41 H 430. Black
41 H 412. Yellow
41 H 413. Green
41 H 414. Blue
1-9, NET EACH 18c
10-49, [illegible]CH..................16¢

BANANA PLUGS

W Type 211 Insulated, Spring Tip. Nickel-plated brass tip. Wire can be soldered to brass stud supplied, or directly into plug. Length, 1⅝". Shpg. wt., 2 oz.

41 H 462. Red
41 H 463. Black
41 H 464. Yellow
41 H 465. Green
41 H 466. Blue
1-9, NET EACH 18c
10-49, EACH................16¢

X Type 103 All-Metal, Spring Tip. Has solder lug. Four-leaved spring. Body and tip are nickel-plated. 6-32x½" stud. Length, 1 11/16". Shpg. wt., 2 oz.

41 H 400. 1-9, NET EACH. 15c
10-49, EACH................13¢

Y Type 100 All-Metal, Spring Tip. As above, but internal threads permit use on all size panels. 1¼". Shpg. wt., 2 oz.

41 H 488. 1-9, NET EACH. 15c
10-49, EACH................13¢

Z Type 102 All-Metal, Spring Tip. Nickel plated, one-piece construction. 6-32x⅜" stud. Length, 1 1/16". Shpg. wt., 2 oz.

41 H 489. 1-9, NET EACH. 15c
10-49, EACH................13¢

TIP JACKS

AA Type 1505 Miniature Nylon Tip Jacks. Silver-plated, beryllium copper contact. Fits ¼" hole; panels to ¼" thick. Overall size, 35/64"x⅜" dia. Wt., 2 oz.

41 H 495. Red
41 H 496. Black
41 H 497. Yellow
41 H 498. Green
41 H 499. Blue
1-9, NET EACH 26c
10-49, EACH..................24¢

BB Type 240 Nylon Tip Jack. Completely insulated; phosphor bronze contact. 1 1/16"x½" dia. Shpg. wt., 2 oz.

41 H 012. Red
41 H 013. Black
41 H 014. Yellow
41 H 015. Green
41 H 016. Blue
1-9, NET EACH 18c
10-49, EACH ....16¢

CC Type 202 Insulated Tip Jack. Body is nickel-plated brass. Mounts in 5/16" hole in panels up to ⅜" thick. Size, 1 3/64"x7/16" O.D. Shpg. wt., 2 oz.

41 H 110. Red
41 H 115. Black
41 H 432. Yellow
41 H 433. Green
41 H 434. Blue
1-9, NET EACH 13c
10-49, EACH.................12¢

DD Type 241 Insulated Tip Jack. Molded nylon head and insulating washer. Nickel-plated brass body. Mounts in 5/16" hole. Shpg. wt., 2 oz.

41 H 024. Red
41 H 025. Black
41 H 026. Yellow
41 H 027. Green
41 H 028. Blue
1-9, NET EACH 18c
10-49, EACH.................16¢

TIP JACK

EE Type 107 Non-Insu Tip Jack. ¼" mtg ⅛" max. panel thicknes phosphor-bronze spring co Shpg. wt., 2 oz.

41 H 100. 1-9, NET EACH
10-49, EACH...............

BANANA JACKS

FF Type 205 Insulated nana Jack. With lug and removable insulate Requires 5/16" hole; for pane ⅜". 31/32" long. Shpg. wt., 2

41 H 475. Red
41 H 480. Black
41 H 422. Yellow
41 H 423. Green
41 H 424. Blue
1- NET E 13
10-49, EACH.. ....

GG Type 219 Insulate nana Jack. Has plastic head. Recessed bod sures snug contact. Fits 5/16" hole; ⅜" max. panel thic Shpg. wt., 2 oz.

41 H 033. Red
41 H 034. Black
41 H 035. Yellow
41 H 036. Green
41 H 037. Blue
1- NET E 15
10-49, EACH ....

HH Type 221 Insulated nana Jack. Molded head and insulating wash mtg. hole; ⅜" max. Wt

41 H 042. Red
41 H 043. Black
41 H 044. Yellow
41 H 045. Green
41 H 046. Blue
1- NET E 18
10-49, EACH... ....

JJ Type 101 Non-Insu Banana Jack. Ha tinned lug. ¼" mtg. hole; ⅛" panel thickness. Shpg. wt., 2 o

41 H 047. 1-9, NET EACH
10-49, EACH....... ....

KK Type 109 Non-Insu Banana Jack. ¼" hole; ⅜" max. thickness. 2 oz

41 H 470. 1-9, NET EACH
10-49, EACH..............

COMBINATION JACK

LL Type 206 Insulated C bination Jack. Wi commodate all standard tip or banana plugs Nickel brass body. Mounts in panels up to ½" thick. 1 11/16". Shpg. wt., 2 oz.

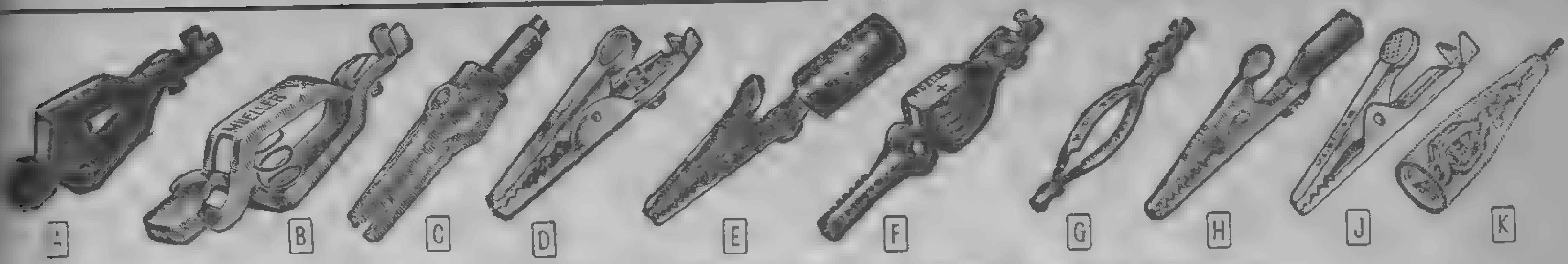
41 H 130. Red
41 H 135. Black
41 H 137. Yellow
41 H 138. Green
41 H 143. Blue
1- NET E 16
10-49, EACH . .

INSULATED SPADE LU

MM Type 218 Banana Pl Spade Lug Adapter. jack in rear of handle to all sertion of banana plug. ½" steel hot-tinned lug .030" for extra durability. Size: long, ⅜" O.D. Shpg. wt., 2 oz

41 H 048. Red **1-9,**
41 H 049. Black NET..EA
10-49, EACH..............

Alligator Clips, Binding Posts, Plugs



MUELLER UNIVERSAL CLIPS AND FLEXIBLE INSULATORS

For high-frequency equipment, experimental setups, electroplating, ntless other uses. Quality springs maintain firm grip; lead-plated clips resist battery acid. Solid copper types have low resistance, are non-magnetic. Slip-on insulators (Fig. K) are listed for all types.

MESH TEETH TEST CLIPS

general purpose use. *Solid Copper. lid bronze. §Cadmium-plated steel. †In- n-piercing needle. Av. shpg. wt., 3 oz.

No.	Type	Amps	Size	NET
0	§45	5	1½"	7¢
5	*45C	10	1½"	13¢
10	§48B	10	2"	10¢
78	*48C	10	2"	14¢
37	‡†50C	10	2¼"	25¢

LEAD-PLATED BATTERY CLIPS

moderately heavy current work, including battery charging, electroplating, ght welding. Av. shpg. wt., 4 oz.

20	24A	25	2⅞"	22¢
030	21A	50	4"	39¢
040	11A	100	6"	98¢

SOLID COPPER CLIPS

Heavy-duty, high-conductivity, solid copper clips. Shpg. wts.: 24C, 3 oz.; 21C, 5 oz.; 8 oz.; 33C, 1 lb.

25	24C	50	2⅞"	.33
35	21C	100	4½"	.89
045	11C	200	6"	1.67
050	33C	300	7¾"	3.19

3-SIDED MESH TEETH CLIPS

§Cadmium-plated steel; *solid copper. Jaws pen ⅝". Shpg. wt., 2 oz.

015	§27	20	2 1/16"	13¢
097	*27C	40	2 1/16"	20¢

INSULATED ALLIGATOR CLIPS

C §Cadmium-plated steel; *solid copper. Vinyl plastic insulation. Shpg. wt., 3 oz.

Stock No.	Type	Amps	Size	NET
45 N 140	§63	5	2⅛"	24¢
45 N 141	*63C	10	2⅛"	25¢

70 SERIES ALLIGATOR CLIPS

D *Cadmium-plated steel; §solid copper; †solder connection; ‡screw connected. 3 oz.

45 N 170	70*†	5	1 11/16"	7¢
45 N 171	70S*‡	5	1 11/16"	8¢
45 N 172	70CS§‡	10	1 11/16"	11¢

INSULATED BARREL ALLIGATOR CLIPS

E Made of cadmium-plated steel, except *solid copper. Jaws open 5/16". Av. wt., 2 oz.

Stock No.	Type	Size	Description	NET
45 N 070	60HS	2 11/16"	Red handle	12¢
45 N 075	60HS	2 11/16"	Black handle	12¢
45 N 090	*60CHS	2 11/16"	Red handle	15¢
45 N 095	*60CHS	2 11/16"	Black handle	15¢

CROCODILE CLIPS

F *Solid copper; §cadmium-plated steel; ‡Phone tip on one jaw. Shpg. wt., 2 oz.

45 N 060	§85	2⅛"	Screw Connection	9¢
45 N 062	*85C	2⅛"	Screw Connection	16¢
45 N 098	‡85T	2⅝"	Tip-Clip	21¢

NON-FERROUS R.F. TEST CLIP

G Phosphor bronze clip with brass screw. Ideal for tapping small transmitter coils; also for work in crowded chassis. Shpg. wt., 2 oz.

45 N 055	88	1 11/16"	Ideal for coils	22¢

ALLIGATOR CLIPS

H Steel, except *Solid copper; †Solder type; "S"—screw type. Slim jaws for close work. Jaws open 5/16". Shpg. wt., 2 oz.

Stock No.	Type	Size	Description	NET
45 N 200	†60	2"	Fit banana plugs	7¢
45 N 065	60S	2"	Fit banana plugs	8¢
45 N 080	*60CS	2"	Fit banana plugs	12¢

"MINI-GATOR" CLIPS

J Miniaturized—3/16" jaw opening, 11/64" O.D. tip. §Cadmium-plated steel; *solid copper. Shpg. wt., 2 oz.

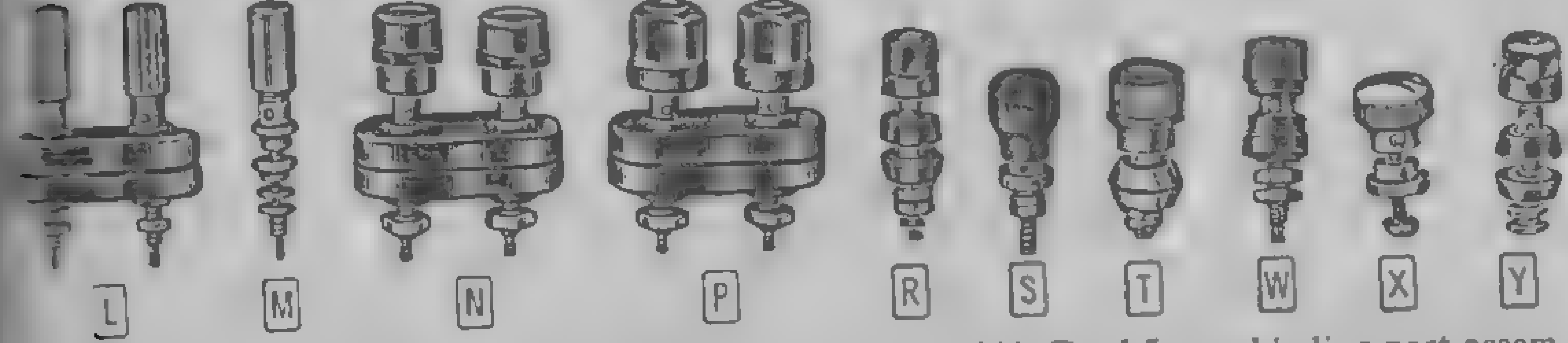
Stock No.	Type	Amps	Size	NET
45 N 142	§30	5	1 1/16"	7¢
45 N 143	*30C	10	1 1/16"	8¢

SLIP-ON INSULATORS FOR CLIPS

K Tough, flexible plastic. High dielectric strength; resistant to oils and grease. Covers entire clip except for end of nose. Av. shpg. wt. per pkg., 5 oz. **2 Insulators per pkg.; one red, one black.**

Stock No.	Mfr's Type	For Use With	NET PER PKG.
45 N 167	13	Series 11	1.67
45 N 164	23	Series 21	.90
45 N 163	26	Series 24	.45
45 N 166	29	Series 27	.29
45 N 144	32	Series 30	.12
45 N 162	35	Series 33	5.74
45 N 160	47	Series 45	.12
45 N 161	49	Series 48, 50	.18
45 N 165	62	Series 60	.12
45 N 168	87	Series 85	.12
45 N 169	93	Series 88	.24

H. H. SMITH BINDING POSTS



Type 209. Dual binding post assembly with metal heads. Accommodates single or dual a plugs, wire and phone tips either for- d or sideways. Mounts in two ½" holes on mounting centers in panels from 1/16" up to thick. Body: brass, nickel-plated. Head: ive-type, hex brass, nickel-plated. Washer: ded black styrene. With wrap-around solder . Has ¾x1½" rounded black base. Sup- with 4 hex nuts and two flat washers. wt., 4 oz.
H 326. NET..........................59c

Type 208. Five-way metal binding post. Can accept banana plug, phone tip, spade alligator clip or wire strand. Mounts in " hole in panels from 1/16" to ¼" thick. y: brass, nickel-plated. Head: captive, hex nickel-plated. Has wrap-around solder . Supplied complete with 2 mounting nuts. wt., 3 oz.
H 327. NET..........................21c

Type 224. Dual 5-way binding post assembly with black, insulated fluted heads. Ac- single or dual banana plugs. Mounts in ½" holes on ¾" mounting centers in panels o ¼" thick. Has solder stud. ¾x1½" base. y: brass, nickel-plated. 4 mounting nuts. g. wt., 4 oz.
H 328. NET..........................53c

P **Type 269.** Dual 5-way binding post assembly with black hex-grip insulated heads. Accepts dual banana plug. Mounts in 2—½" holes on ¾" ctrs, 1/16-¼" panels. Has solder studs, ¾x1½" rounded base. 4 oz.
41 H 329. NET..........................65c
41 H 324. Type 269 RB. As above, but with one black, one red head. **NET**..........65¢

MULTI-PURPOSE POSTS

Multi-purpose molded binding posts. Rated 2000 volts, 30 amps. Have banana-plug jack in head. All metal parts insulated from panel. For panels 1/16" to ¼". 257 has wrap-around solder stud; 220 and 377 are grounding type. *Locking edge. †Closed. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Mtg. Hole	Total Lgth.†	Color	NET EACH 1-9	NET EACH 10-49
41 H 368	*257R	R	½"	1 23/32"	Red	35¢	31¢
41 H 367	*257B	R	½"	1 23/32"	Black	35¢	31¢
41 H 330	220R	S	11/64"	1 9/64"	Red	18¢	16¢
41 H 335	220B	S	11/64"	1 9/64"	Black	18¢	16¢
41 H 388	*260R	T	5/16"	1 9/64"	Red	26¢	24¢
41 H 389	*260B	T	5/16"	1 9/64"	Black	26¢	24¢
41 H 394	377R	W	3/32"	1⅜"	Red	25¢	23¢
41 H 395	377B	W	3/32"	1⅜"	Black	25¢	23¢
41 H 397	378R	W	3/32"	1⅜"	Red	25¢	23¢
41 H 398	378B	W	3/32"	1⅜"	Black	25¢	23¢

X **Type 110.** For heavy-duty use. 15/16" long. 1/16" mtg. hole. Shpg. wt., 2 oz.
41 H 371. 10-49, EA. 13¢. 1-9, NET EA. 15c

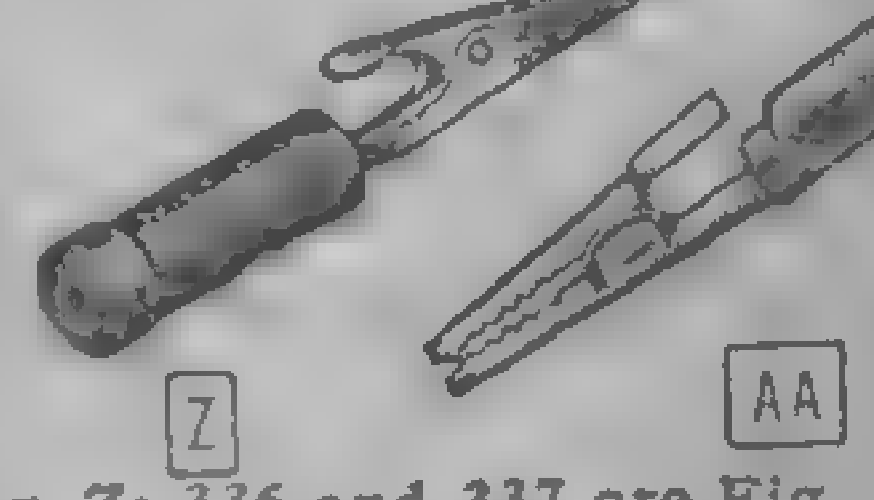
SUPERIOR BINDING POSTS

Five-way binding post offers complete insulation. Current capacity, 30 amperes; king voltage, 1000 volts. Take spade lugs, ana plugs (have jack in top), clip leads, and to No. 12 wire. Insulated with nylon plastic; components are recessed. Mount in ½" s in panels 1/16 to ¼" thick. Metal parts -plated. Shpg. wt., 4 oz.

Stock No.	Type	Color	NET EACH
41 H 172	DF30YC	Yellow	40c
41 H 173	DF30GNC	Green	
41 H 174	DF30WTC	White	
41 H 177	DF30BC	Black	
41 H 178	DF30RC	Red	
41 H 198	DF30BLC	Blue	

H. H. SMITH CLIPS & PLUGS

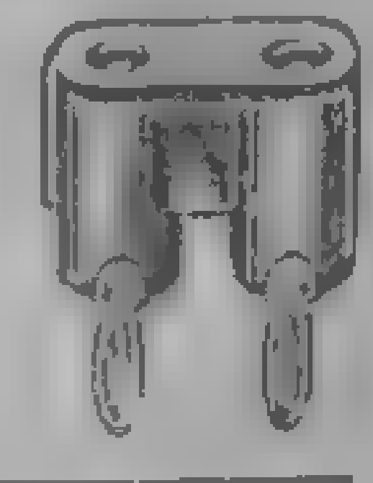
ALLIGATOR CLIPS



Clips for positive, dependable electrical contacts. Plastic insulated handles available in red or black. Type numbers 304 and 305 are Fig. Z; 336 and 337 are Fig. AA. Clips are steel cadmium-plated. Quality springs maintain firm grip. Types 336 and 337 are all-insulated to insure against shock or grounding. All types accept standard phone tip or banana plug except type 337 which has solder connection. Av. shpg. wt., 2 oz.

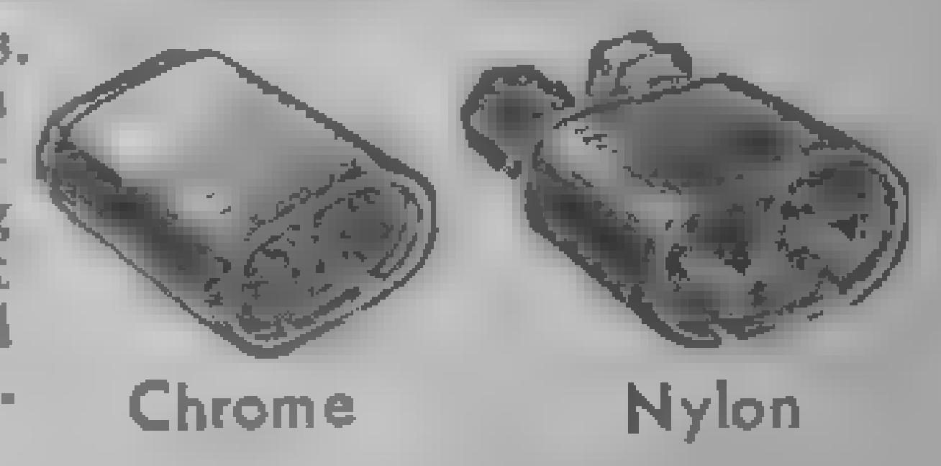
Stock No.	Type	Color	Description	EACH
41 H 300	304	Red	With tip jack adapter.	32¢
41 H 305	304	Black	With tip jack adapter.	32¢
41 H 168	305	Red	With comb. tip & banana jack.	38¢
41 H 169	305	Black	With comb. tip & banana jack.	38¢
41 H 373	336	Red	With tip jack adapter.	35¢
41 H 374	336	Black	With tip jack adapter.	35¢
41 H 382	337	Red	Solder type connection.	24¢
41 H 383	337	Black	Solder type connection.	24

DUAL BANANA PLUG



Type 210. Single molded unit on standard ¾" ctrs. Polarity indicated on top and side. Can be stacked for multiple connections. Body, 1 1/16x½". 3 oz.
41 H 325. NET..........71c

SUPERIOR "DUB-L-PLUGS"

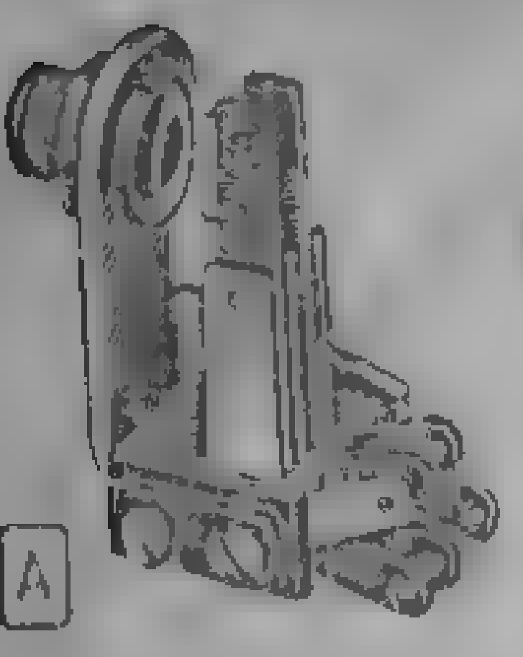


Dual contact plugs. Conducting parts gold-plated. Encased in insulating nylon shells except *shielded and chrome plated. Shpg. wt., 3 oz.

Stock No.	Color	EACH
41 H 205	Chrome*	4.50
41 H 228	Black	2.50
41 H 209	Yellow	2.50
41 H 206	Red	2.50
41 H 207	White	2.50
41 H 227	Green	2.50
41 H 208	Blue	2.50

Plugs and Jacks

MALLORY STANDARD PHONE JACKS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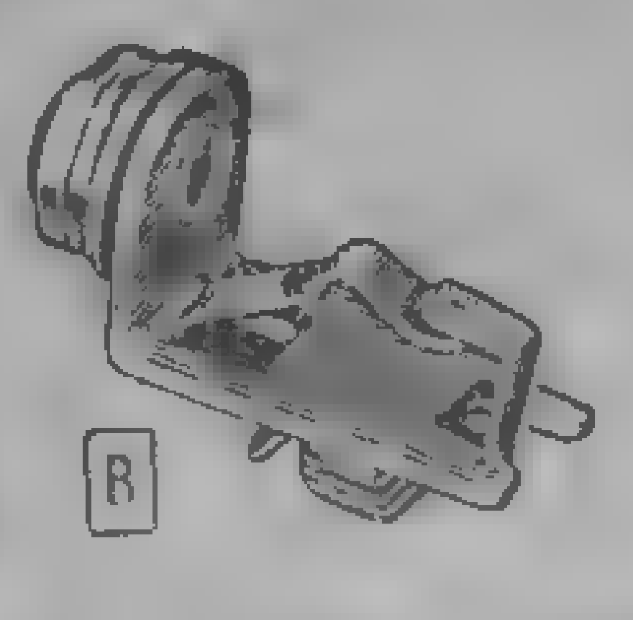
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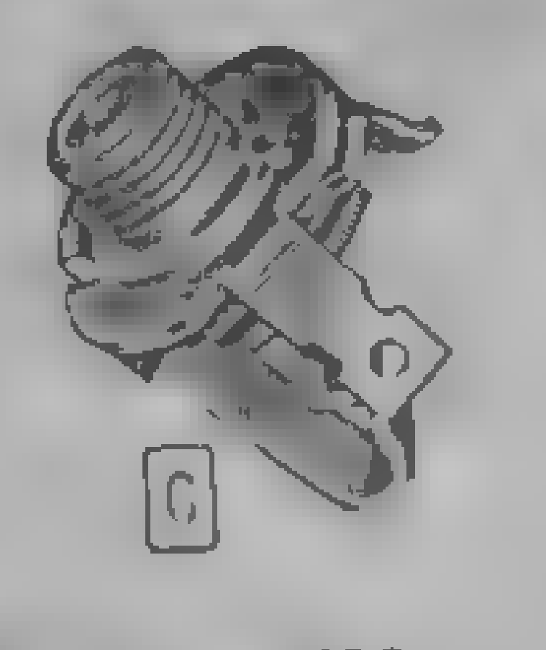
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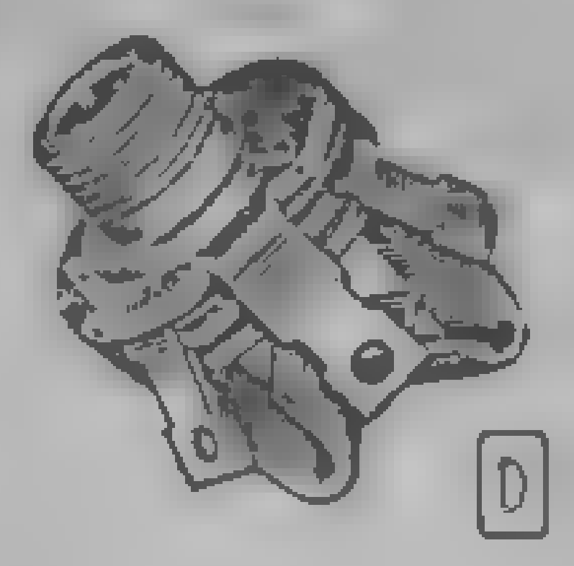
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JUNIOR PHONE JACKS

A Compact "Junior" jacks for standard ¼" phone plugs. Require only 1⅝" behind panel. Cadmium-plated frames with nickel-plated brass shank, springs, and mounting hardware. ⅜" diameter threaded shank for mounting in panels up to ¼" thick. Silver contacts. *Column head "Cond." indicates number of conductors in mating plug. Av. shpg. wt., 3 oz.

Stock No.	Type	*Cond.	Circuit	Diagram	NET
41 H 054	701	2	Open	I	44¢
41 H 058	702B	3	Open	III	56¢
41 H 052	703	2	Open	V	59¢
41 H 059	703B	3	Closed-Transfer 1	IV	59¢
41 H 060	704B	3	Closed-Transfer 2	VI	68¢

MIDGET AND INFANT PHONE JACKS

B Extremely small "Midget" and "Infant" type jacks for limited-space applications. All take ¼" phone plugs. "Midget" type jacks require only 1⅛" mounting space behind panel; "Infant" type requires only ⅞" behind panel. Cadmium-plated steel frames with nickel-plated brass shank, springs, and mounting hardware. ⅜" threaded shank for mounting in panels up to ¼" thick. *Column headed "Cond." indicates number of conductors in mating plug. All are "Midget" type except A-1 "Infant" type jack. (†Not illustrated). Av. shpg. wt., 2 oz.

Stock No.	Type	*Cond.	Circuit	Diagram	NET
41 H 050	†A-1	2	Open	I	38¢
41 H 051	A 2	2	Shorting	VII	47¢
41 H 053	A-2A	2	Closed	II	56¢
41 H 056	A-3A	2	Closed-Transfer 1	VIII	65¢

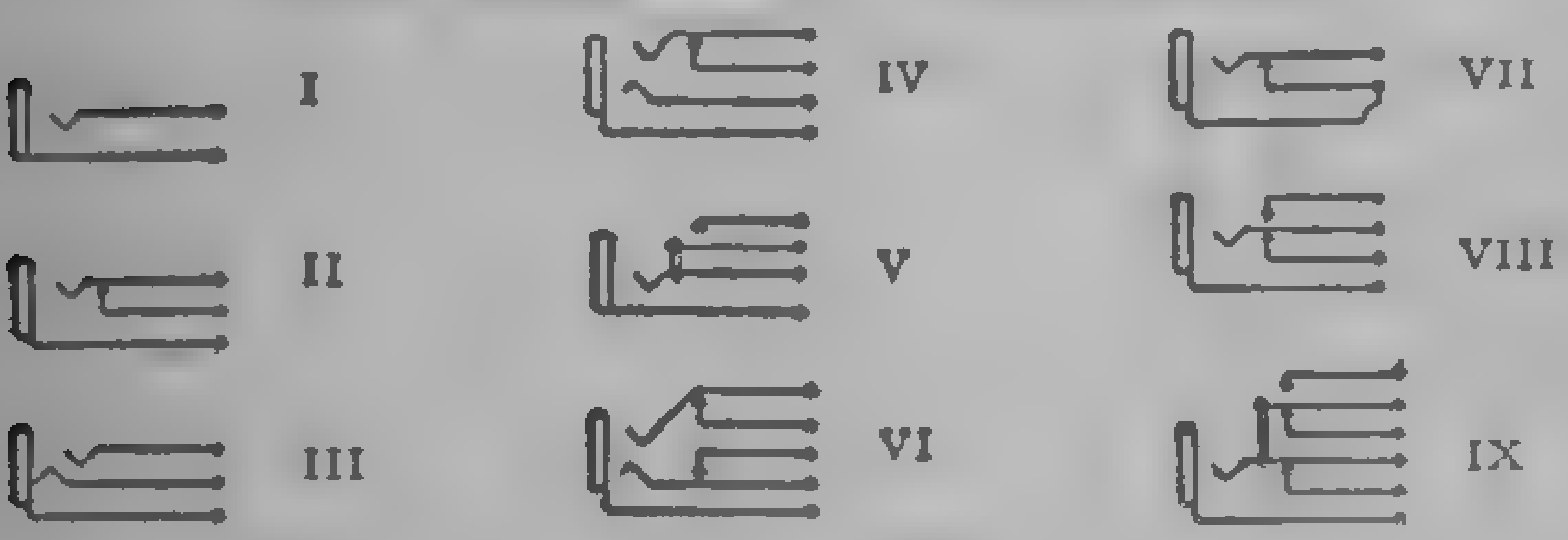
MILITARY-TYPE SC JACKS

Type SC phone jacks are commercial equivalents of military types complying with JAN-J-641 specification. Both require ⅞" mounting space behind panel. Type SC-1A has ⅜" diameter threaded shank, ⅜" long. Type SCA-2B has 5/16" diameter threaded shank, 5/16" long. Av. shpg. wt., 2 oz.

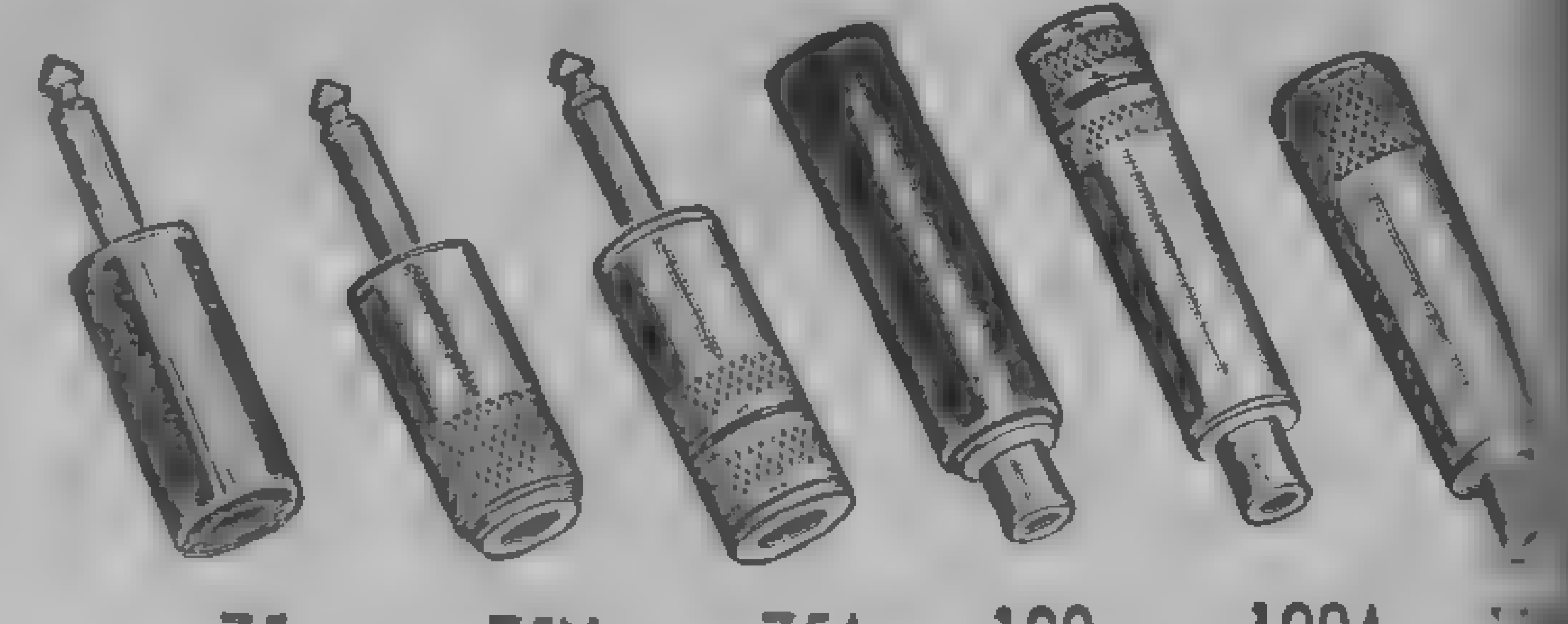
C **Type SC-1A.** Equivalent to military jack No. JJ-034. Open circuit. 2-conductor jack, see Diagram I. Takes all standard ¼" plugs including Mallory 75; Western Electric Nos. 47A and 47B; Nos. PL-47, PL-48, PL-55, PL-148, PL-155, PL-125, PJ-055, PJ-155, PJ-634, PJ-636, and PJ-047.
41 H 642. NET..35c

D **Type SCA-2B.** Equivalent to military jack No. JJ-033. Open circuit, 3-conductor jack, see Diagram III. Takes all 3-conductor plugs with .206" diameter sleeves, including Western Electric 109; Military Nos PL-68, PL-168, PJ-068, PJ-168, and PJ-309.
41 H 643. NET..41c

JACK SCHEMATIC DIAGRAMS



MALLORY PLUGS AND JACKS



STANDARD PHONE PLUGS

Standard ¼", 2 and 3-conductor, phone plugs for use with headp handsets, microphones, and for numerous other audio applicatio standard ¼" phone jacks. 2-conductor plugs have built-in tie-cord a for terminal strain relief. Type 75A and 76A have a cable clam into the handle to provide terminal strain relief. Shielded hand nickel-plated brass with knurling for sure grip; others are molde nolic. Screw-type terminals accommodate either tip jacks or wire. 76 and 76A (not illustrated) similar to 75 and 75A. Av. shpg. wt.,

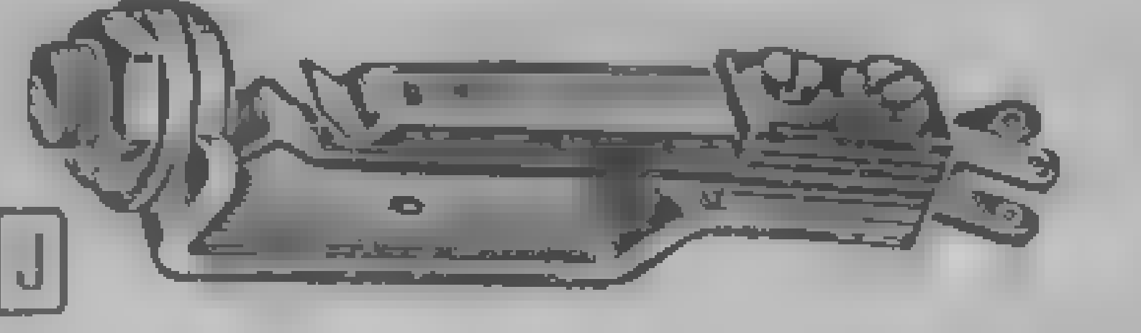
Stock No.	Mfr's Type	Cond.	Terminals	Handle Type	Handle Length	N EA
41 H 641	75	2	Screw	Phenolic	1½"	.
41 H 640	75N	2	Screw	Shielded	1⅝"	.
41 H 937	75A	2	Screw	Shielded	1 13/16"	1.
41 H 941	*76	3	Solder	Phenolic	1 9/16"	.
41 H 942	*76A	3	Solder	Shielded	1 13/16"	1.

STANDARD EXTENSION JACKS

Type 100. 2-conductor, fiber handle extension jack for standard phone plugs. Length, 3¼". Screw terminals. Shpg. wt., 4 oz.
41 H 938. NET..

Type 100A. 2-conductor extension jack with shielded, nickel- brass handle and built-in cable clamp. Screw terminals. For sta ¼" phone plugs. Length, 3 1/16". Shpg. wt., 5 oz.
41 H 940. NET..

Type 100N. 2-conductor extension jack with shielded, nickel- brass handle. For standard ¼" phone plugs. Screw terminals. Le 3 5/16". Shpg. wt., 6 oz.
41 H 939. NET..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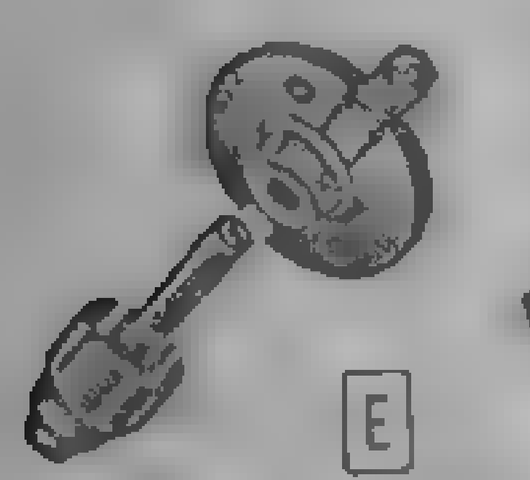
K

LONG-FRAME STANDARD PHONE JACKS

Industrial-type, long-frame jacks offering a variety of switch com tions. All take standard ¼" phone plugs. Types Nos. 1, 2, 2A, (Fig. J) are 3⅛x1⅛x9/16" wide. Mount in panels up to ¼" thi means of ⅜" diameter threaded shank. XP types (Fig. K) are 3½ 9/16" wide. Have 7/16" diameter smooth shank 9/16" long and mount screw and nut. *Column headed "Cond." indicates number of conduc in mating plug. †Diagram indicates switching arrangement (sho column at left). Av. shpg. wt., 4 oz.

Stock No.	Type	*Cond.	Circuit	†Diagram	N
34 H 440	1	2	Open	I	4
34 H 441	2	2	Shorting	VII	5
34 H 442	2A	2	Closed	II	5
41 H 055	5	2	Closed & Transfer	IX	[illegible]
34 H 445	XP1	2	Open	I	6
41 H 644	XP2B	2	Closed	II	7
34 H 446	XP3B	2	Transfer	VIII	8

PIN PLUGS AND JACKS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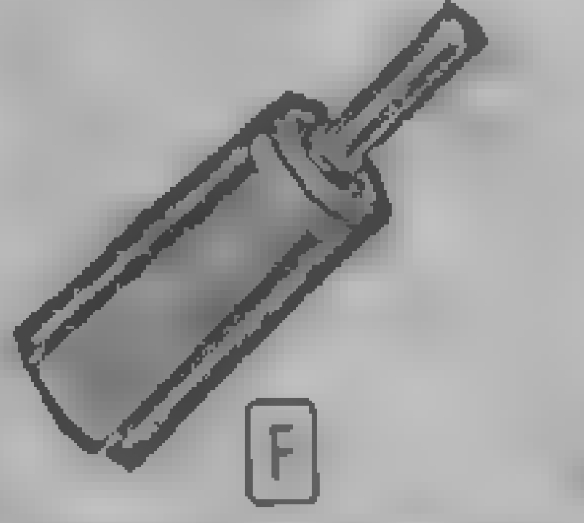
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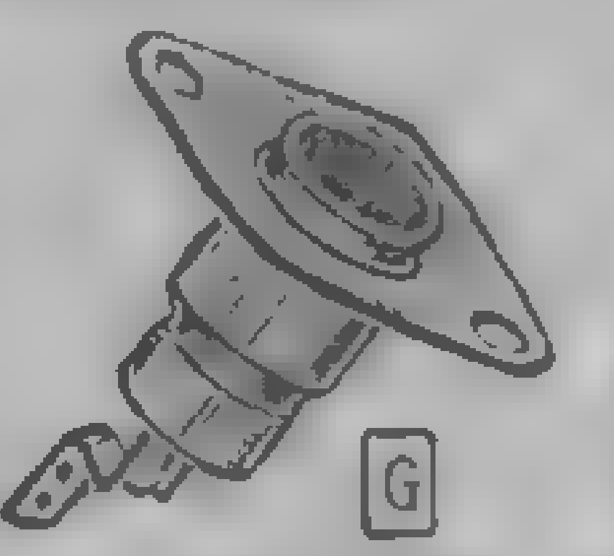
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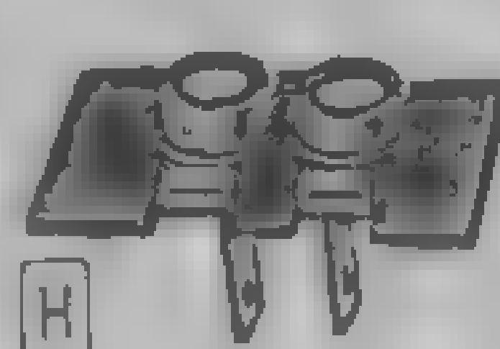

H

SHIELDED PHONO PIN PLUG AND JACK

E For auto radios, record players, etc. Pin plug fits standard phono jack on radio. Pin dia., ⅛", length, 9/16". Single prong jack on 1/16" bakelite disc. 1 1/16" mtg. centers. Av. wt., 1 oz. 3 per package.
46 H 212. Pin Plug. 10 or More Pkgs., Per Pkg. 11¢. Per Pkg. 13c
46 H 213. Pin Jack. 10 or More Pkgs., Per Pkg. 14¢. Per Pkg. 16¢

H. H. SMITH NO. 1200 MOTOROLA-TYPE PLUG

F Antenna lead-in plug designed for connecting coaxial lead-in antenna wire to auto radio. Split brass shell has serrated edge to provide secure ground connection. Pin dia., ⅛". Shpg. wt., 2 oz.
41 H 152. 10 or More, EACH...9¢ 1 to 9, NET EACH .. 10c

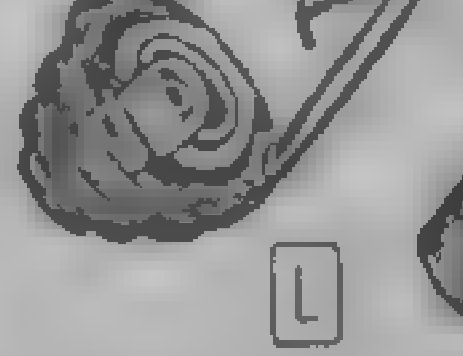
H. H. SMITH NO. 1207 MOTOROLA-TYPE JACK

G Mates with standard Motorola-type plugs. Mounts in 15/32" hole. Has 15/16" mounting centers. Shpg. wt., 2 oz.
41 H 144. 10 or More, EACH..12¢ 1 to 9, NET EACH........13c

H. H. SMITH NO. 1214 DOUBLE PHONO JACK

H Two standard phono jacks on common base. Fit standard phono pin plugs on record players, tuners, preamplifiers, etc. Insulated base drilled for mounting screws. Base size, 1 3/16x1". Shpg. wt., 2 oz.
41 H 179. 10 or More, EACH..7¢ 1 to 9, NET EACH.........8c

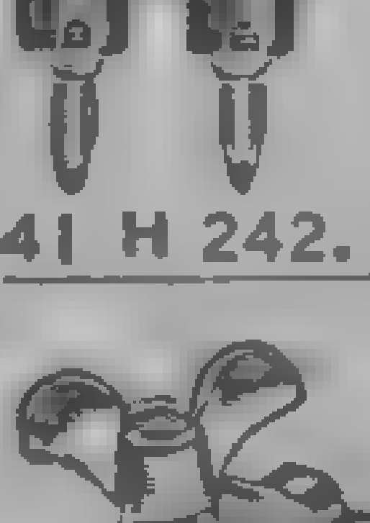
H. H. SMITH PLUGS AND JACK


L

M

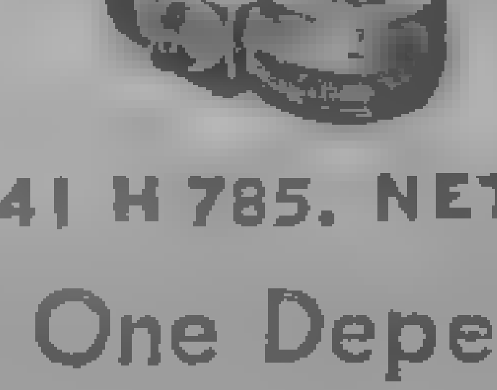
Standard ¼" 2-conductor phone and jack. Plugs have screw-type te nals and are available with either black bakelite handle; all metal except screws, have nickel plating; all length, 2 21/32". Open-circuit jack ⅜" dia. threaded shank 9/32" long; req 1" behind panel. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	N
41 H 017	222B	M	Standard Phone Plug (black)	3
41 H 018	222R	M	Standard Phone Plug (red)	3
41 H 019	275	L	Standard Phone Jack	26¢



GENERAL RADIO DOUBLE PLUG

Type 274-MB. Dual plug for standard banana jacks. M as a unit on ¾" centers. Recessed top forms double j allowing units to be used in tandem. Banana plug pr Holes in body accept phone tips or wires up to No. 12, minal screws clamp conductors securely. 15 amp ra 1 5/16" W., 1 11/16" L. Shpg. wt., 3 oz.
41 H 242. NET..6

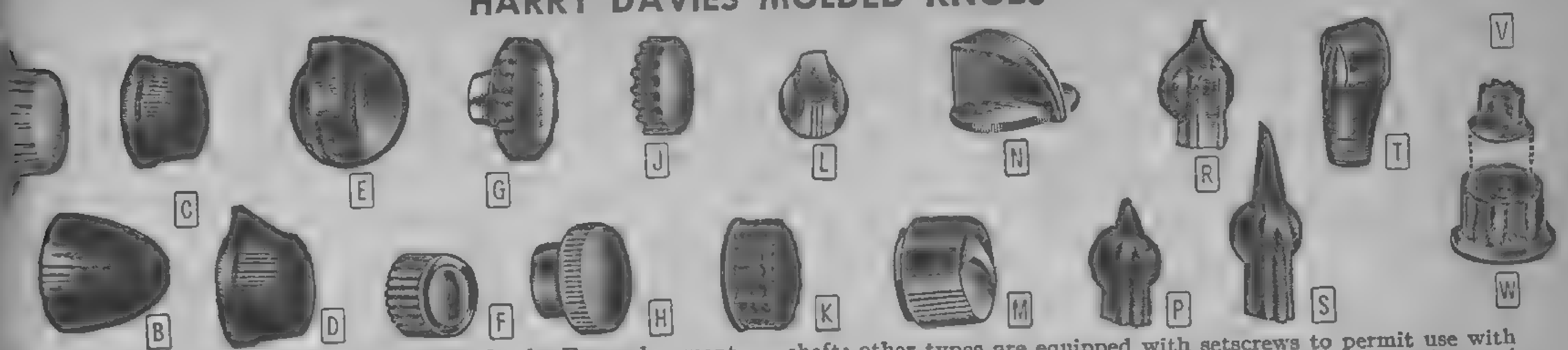


BATTERY BINDING POST

Heavy-duty, universal-type battery binding post making solid connections to storage batteries. variety of post diameters. Separate threaded ter for connecting cables equipped with terminal Large wing-nut can be finger-tightened. Shpg. wt.,
41 H 785. NET..

Knobs, Plugs, Jacks, Terminal Strips, Lugs

HARRY DAVIES MOLDED KNOBS



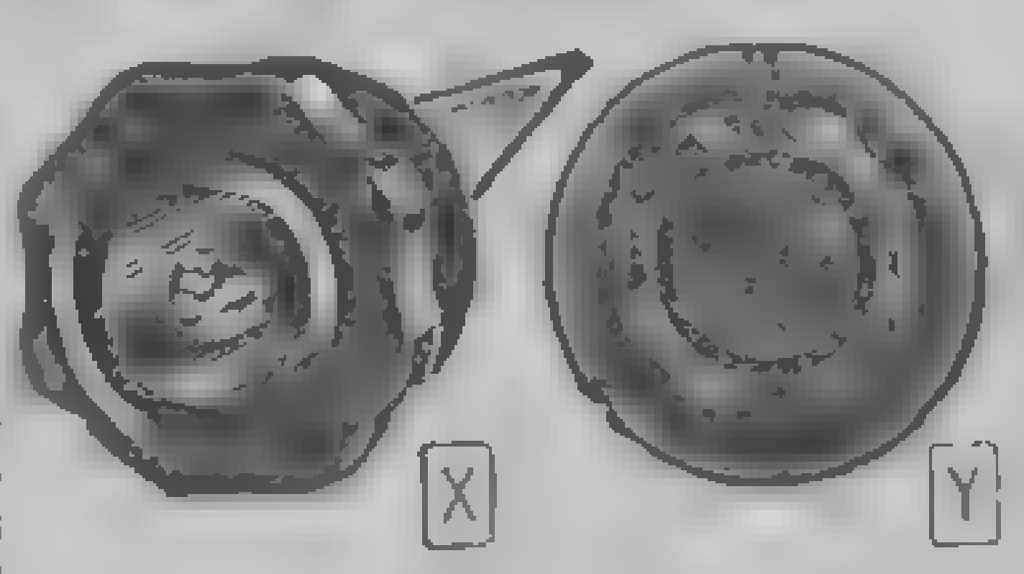
A wide selection of handsomely styled plastic knobs. For replacement use on majority of radios and TV sets. Figs. B and C are excellent for small radios. *For knurled shafts only; †screws on to ¼" threaded shaft; other types are equipped with setscrews to permit use with either round or flatted, ¼" shafts. §Indicates types not manufactured by Harry Davies. Av. shpg. wt., 3 oz.

ck	Fig.	Size	Color	1-9, EA.	10-49, EA.
31	A	1½"	Black	.13	.117
32	A	1½"	Red	.14	.126
30	A	29/32"	Black	.10	.090
22	B	⅞"	Black	.10	.090
25	B	¾"	Black	.12	.108
27	B	¾"	Walnut	.12	.108
28	*B	¾"	Walnut	.05	.045
29	B	¾"	Ivory	.12	.108
43	*C	11/16"	Black	.04	.036
35	C	11/16"	Black	.07	.063
36	C	11/16"	Walnut	.07	.063
23	C	1"	Black	.10	.090
40	D	11/16"	Black	.07	.063
042	*D	11/16"	Black	.04	.036

Stock No.	Fig.	Size	Color	1-9, EA.	10-49, EA.
55 H 081	D	1"	Black	.11	.099
55 H 018	E	1⅛"	Black	.11	.099
55 H 019	E	1⅛"	Red	.12	.108
54 H 964	*F	11/16"	§Walnut	.16	.154
55 H 024	G	⅞"	Black	.10	.090
55 H 050	G	1¾"	Black	.17	.153
55 H 082	†H	¾"	Black	.06	.054
54 H 982	J	1"	§Walnut	.10	.090
54 H 980	K	1⅛"	§Walnut	.10	.090
54 H 981	K	1⅛"	§Ivory	.10	.090
55 H 067	L	11/16"	§Black	.35	.315
55 H 083	M	¾"	Black	.10	.090
55 H 084	N	1 3/16"	Black	.10	.090

Stock No.	Fig.	Size	Color	1-9, EA.	10-49, EA.
55 H 072	P	1¼"	Black	.08	.072
55 H 073	P	1¼"	Red	.09	.081
55 H 078	P	1¼"	Black	.13	.117
55 H 074	R	1¼"	Black	.10	.090
55 H 070	S	2"	Black	.16	.144
55 H 071	S	2"	Red	.17	.153
55 H 079	S	2"	Black	.20	.180
55 H 006	T	1⅝"	Black	.17	.153
55 H 089	T	2½"	Black	.18	.162
55 H 056	V	¾"	Black	.14	.126
55 H 057	W	1¼"	Black	.15	.135
55 H 058	V	1½"	Black	.15	.135
55 H 059	V&W	¾"-1¼"	Black	.27	.243

HARRY DAVIES FLUTED BAKELITE KNOBS



excellent selection of high-quality d knobs. Functionally designed to a custom, professional appearance ateur, as well as test and experi- al equipment. Sturdily constructed rable, high-gloss bakelite. All have inserts to assure a precise fit on flatted or round ¼" shafts. Set locks knob to shaft. *Indicates X; †similar to Fig. X but less pointer; are Fig. Y. These knobs are available made to Mil spec MS-91531 al order; write for prices. Av. shpg. wt., 4 oz.

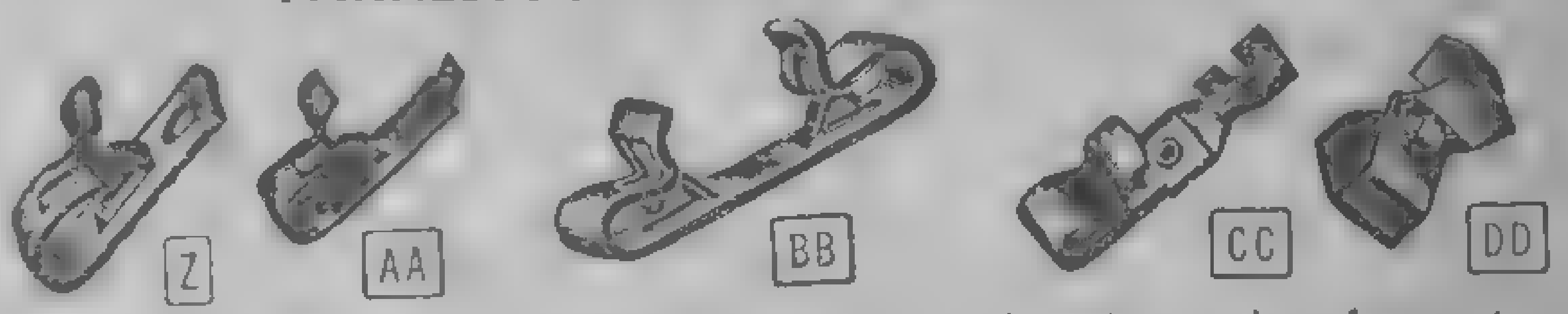
ock No.	Dia.	NET EACH 1-9	NET EACH 10-49	Stock No.	Dia.	NET EACH 1-9	NET EACH 10-49
H 085	1⅛"*	.34	.306	55 H 094	1⅜"†	.23	.207
H 088	1⅜"*	.35	.315	55 H 096	1⅝"†	.26	.234
H 086	1⅝"*	.37	.333	55 H 097	2⅜"†	.38	.342
H 087	2⅜"*	.50	.450	55 H 092	1½"	.42	.378
H 095	1⅛"†	.22	.198	55 H 090	2 1/16"	.51	.459

E. F. JOHNSON NON-INSULATED PLUGS AND JACKS

na type have nickel- r springs; *jacks are led brass with phos- bronze spring sleeves. 750-2 has long screw mounting on ceramic steatite plug-in coil s. Av. shpg. wt., 2 oz.

ck No.	Type	Fits	Length	NET
H 200	108-740*	750, 750-2, 753	⅝"	12¢
H 201	108-750	740	1⅛"	13¢
H 202	108-750-2	740	1½"	14¢
H 203	108-753	740	15/16"	14¢
H 204	108-760*	770, 771	1"	31¢
H 205	108-770	760	1 25/32"	30¢
H 206	108-771	760	1⅛"	34¢

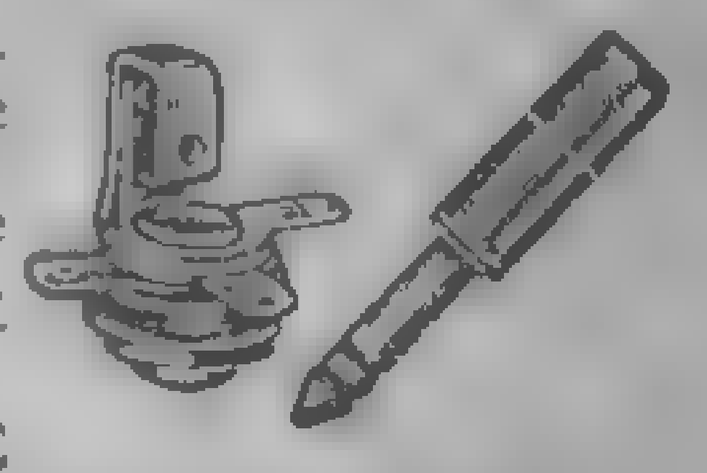
FAHNESTOCK SPRING CONTACT CLIPS



Positive contact clips. *Made of bronze. All others brass. Av. shpg. wt., per pkg., 3 oz. **10 clips per package.**

Stock No.	Mfr's Type	Fig.	Length	Width	Max. Wire	Mtg. Hole	NET PER PKG. 1-9	NET PER PKG. 10-99
41 H 700	2	Z	1"	⅜"	#10	#8	.17	.15
41 H 702	3	Z	1 1/16"	⅜"	#10	#8	.17	.15
41 H 705	10	Z	¾"	5/16"	#14	#6	.10	.09
41 H 703	5	AA	1 1/16"	⅜"	#10	#8	.19	.17
41 H 707*	15	AA	½"	7/32"	#16	#4	.10	.09
41 H 704	9	BB	2 1/16"	⅜"	#10	#8	.69	.62
41 H 710	9C	BB	1¾"	⅜"	#10	#8	1.50	1.35
41 H 715	18	BB	1½"	5/16"	#14	#6	.50	.45
41 H 708*	36	CC	1⅝"	⅜"	#10	lug	.55	.50
41 H 709	45	DD	¾"	⅜"	#12	#6	.17	.15

TELEX SUBMINIATURE JACKS AND PLUG



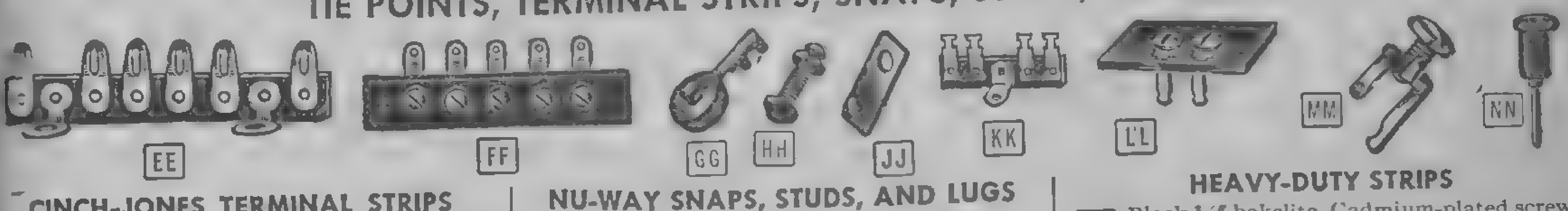
Miniature plug and jacks. Ideal for computing devices, dictating machines, transistor radios, tape recorders and similar applications.

Type PM-01 Plug. Extremely small phone-type plug for two-conductor cable up to .150" diameter. 1 1/32" by ¼" diameter. Tip and sleeve—brass, silver plated. Nylon insulator. Shpg. wt., 2 oz.
59 J 243. NET 36c

Type JPM-01 Jack. Closed-circuit type for plug above. Mtg. bushing—brass, nickel plated. Mounts in ¼" hole. Grade XXXP Phenolic insulators. Beryllium copper, silver plated contact springs. Shpg. wt., 2 oz.
59 J 242. NET 24c

Type JPM-02 Jack. Same as above jack for Type PM-01 plug but is open-circuit type. Shpg. wt., 2 oz.
59 J 254. NET .... 24¢

TIE POINTS, TERMINAL STRIPS, SNAPS, STUDS, LUGS



CINCH-JONES TERMINAL STRIPS

Lug Types. Solder coated steel lugs spaced on ⅜" centers with .140 dia. mounting holes. Bakelite strips are 1/16" thick, " wide. Av. shpg. wt., 2 oz.

ock No.	Type	Terminals	NET EACH
2 H 644	51	1	2¢
2 H 645	52	2	2¢
H 646	53E	3	2½¢
H 647	54	4	4½¢
H 648	54C	5	4¢
H 643	56B	6	10¢

Screw Type. Solder coated brass terminals spaced on 7/16" centers. All have .136" diameter mounting holes. Made of 1/16" bakelite. Av. shpg. wt., 2 oz.

2 H 649	17 2	2	6¢
2 H 650	17-3	3	9¢
2 H 651	17-4	4	12¢
2 H 652	17-5	5	14¢
2 H 653	17-6	6	17¢

NU-WAY SNAPS, STUDS, AND LUGS

Make and break contacts for temporary or permanent connections. Size: Snap, 7/16" dia. x ⅞" L; Stud, 6-32x½"; Lug 1/32x5/16x¾". Nickel-plated brass. Snap has solder lug; Lug has hole for 6-32 screw. 12 oz. **100 per pkg.**

Stock No.	Fig.	Description	PER PKG
44 H 450	GG	Snaps for lugs and studs.	7.90
44 H 452	HH	Stud for panel or chassis mtg.	5.00
44 H 451	JJ	Lug for flush mounting.	5.00

MINIATURE TIE-POINTS

KK Bakelite strips handy for supporting resistors, condensers, etc., in circuit wiring. Tinned terminals on 1/16" phenolic. With ground lug. Wt., per pkg., 8 oz. **10 per package.**

Stock No.	Terminals	PER PKG.
41 H 510	2	15¢
41 H 511	3	21¢
41 H 512	4	25¢
41 H 513	5	31¢
41 H 514	6	36¢

HEAVY-DUTY STRIPS

LL Black 3/32" bakelite. Cadmium-plated screw terminals. Tinned lugs. Ideal for antenna-ground connection on receivers; speaker connections, power supply terminals, and similar applications. Bakelite base drilled for 2-hole chassis mounting. Av. shpg. wt., 4 oz.

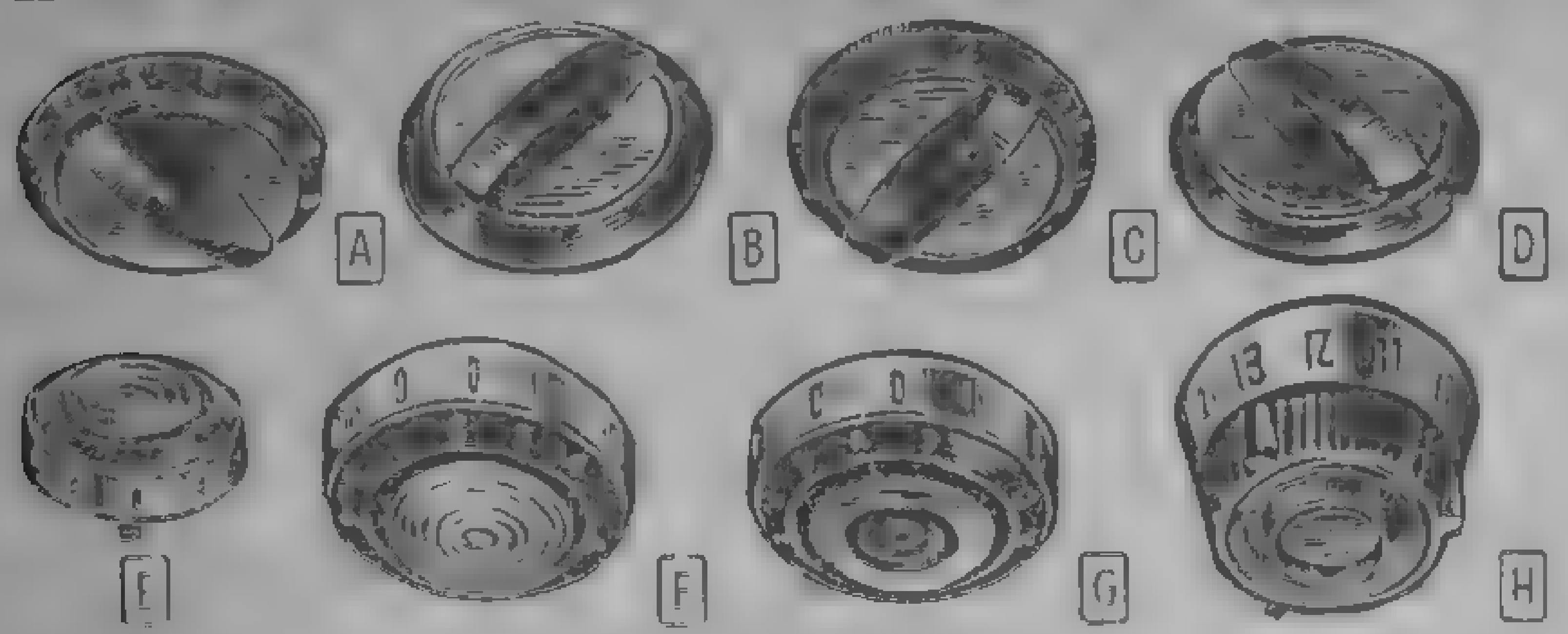
Stock No.	Terminals	1-9, EA.	10-49, EA.
41 H 875	2	14¢	13¢
41 H 880	3	17¢	15¢
41 H 885	4	21¢	19¢
41 H 890	5	24¢	22¢
41 H 895	6	27¢	24¢
41 H 897	7	31¢	28¢
41 H 898	8	34¢	31¢

TERMINAL LUGS & PIN PLUGS

Av. shpg. wt., per pkg., 4 oz. **10 per pkg.**

Stock No.	Fig.	Description	PER PKG.
41 H 767	MM	Terminal lugs.	53¢
41 H 777	NN	Black, insulated pin-plug	86¢

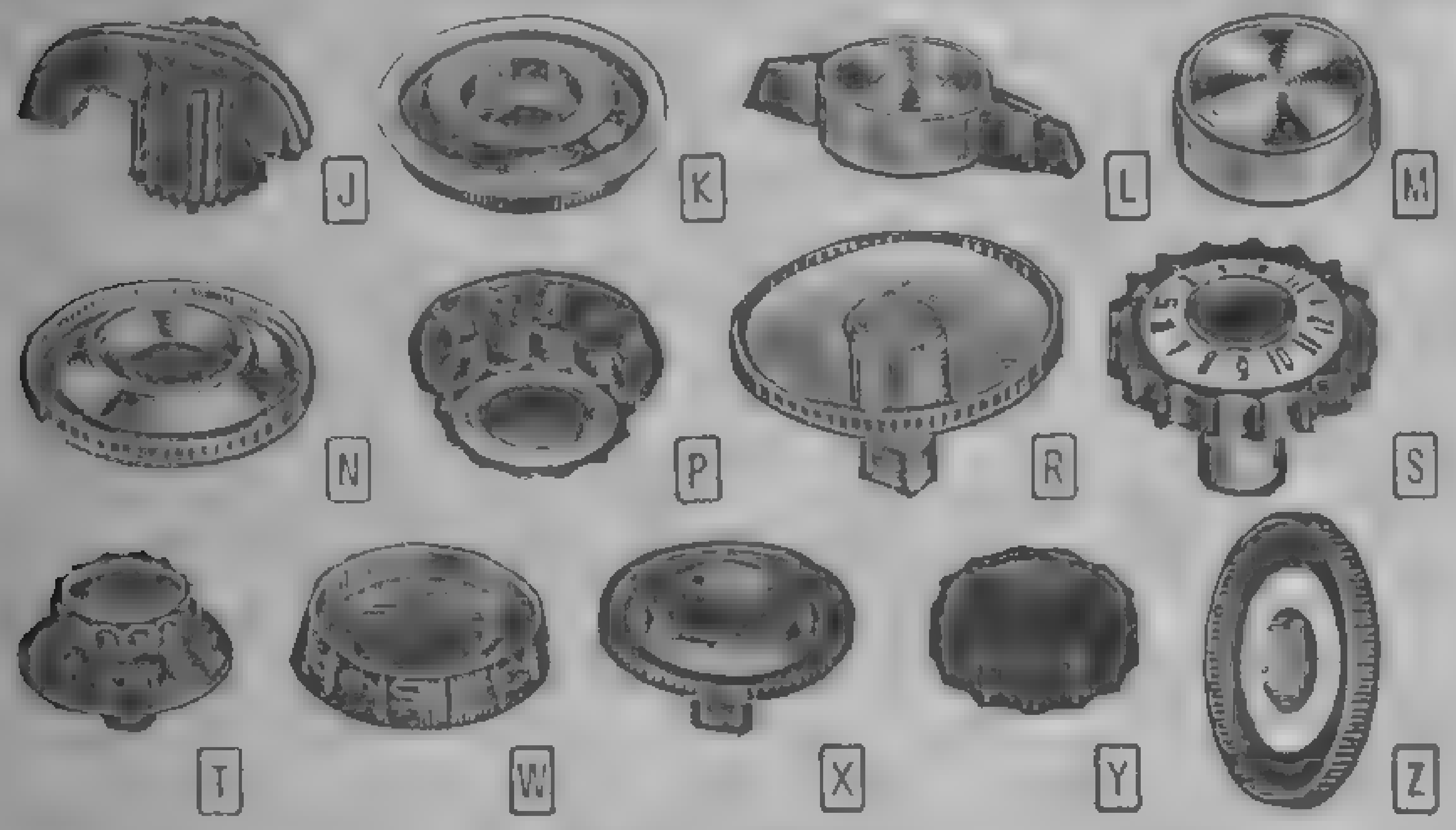
G-C Exact Replacement TV Knobs



ADMIRAL KNOBS

Av. shpg. wt., 3 oz.

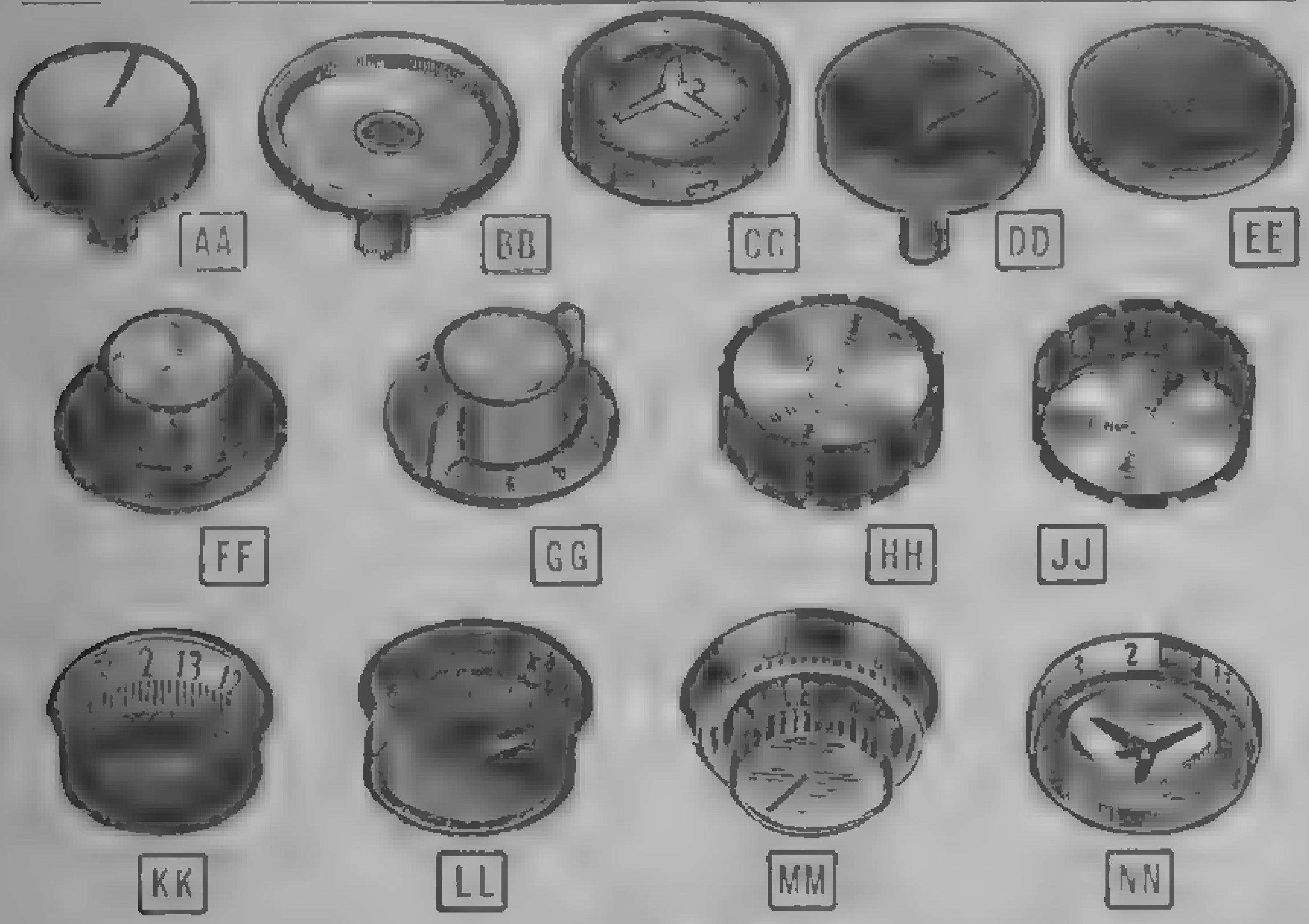
Stock No.	Fig.	Use	Color	NET
55 H 400	A	Channel Selector	Mahogany	.97
55 H 401	B	On Off Volume	Mahogany	.73
55 H 402	C	Channel Selector	Mahogany and Gold	1.09
55 H 403	D	On Off Volume	Mahogany and Gold	.82
55 H 405	E	On-Off Volume	Mahogany and Gold	1.32
55 H 406	F	Channel Selector	Mahogany and Gold	1.73
55 H 407	G	Channel Selector	Mahogany and Gold	1.73
55 H 410	H	Channel Selector	Mahogany and Gold	1.15
55 H 411	H	Channel Selector	Beige and Gold	1.56



RCA KNOBS

Av. shpg. wt., 3 oz.

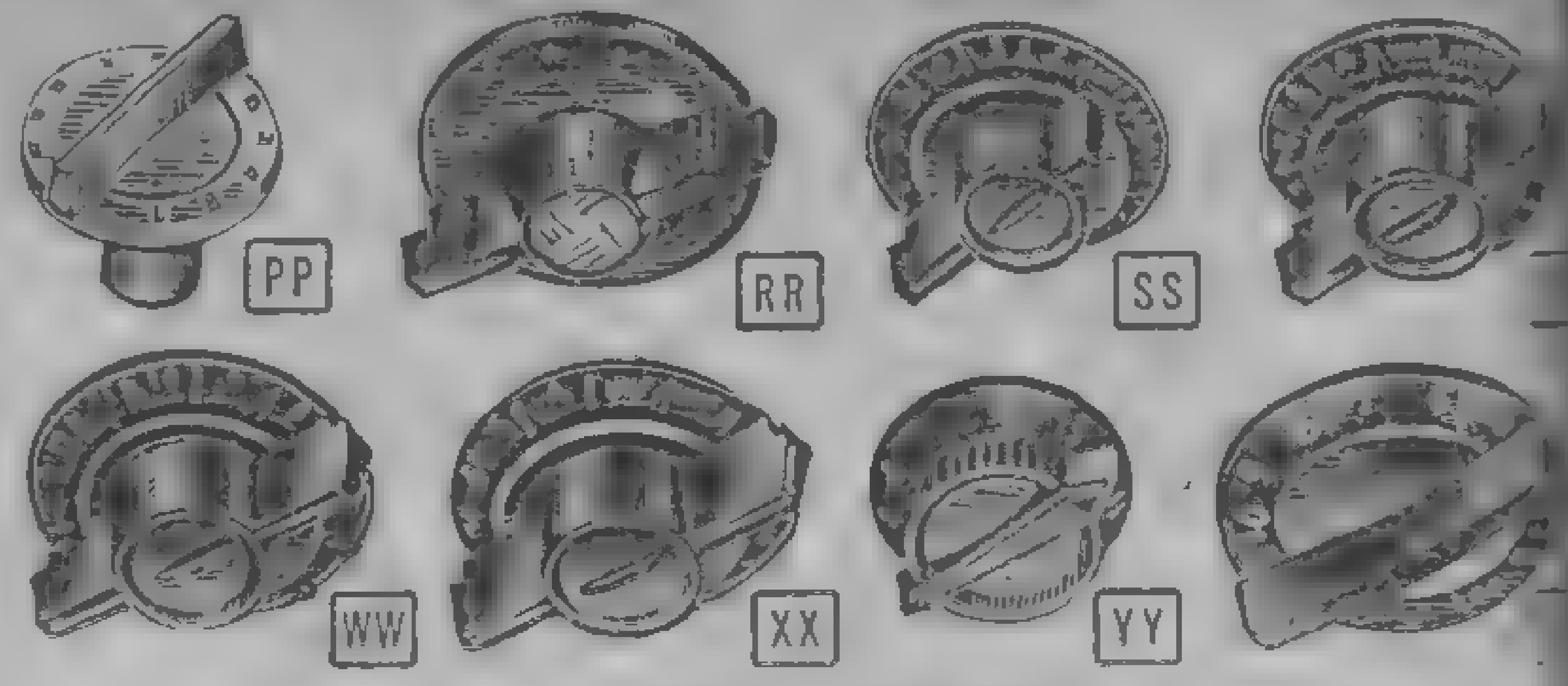
Stock No.	Fig.	Use	Color	NET
55 H 454	J	Channel Selector	Dark Mahogany and Gold	.44
55 H 455	K	Fine Tuning	Brown w/Polished Brass Shell	1.53
55 H 456	L	Channel Selector	Red w/Polished Brass Shell	1.47
55 H 457	M	On-Off Volume	Black, Polished Brass Shell	1.53
55 H 458	N	Fine Tuning	Gold, Maroon	.97
55 H 459	P	Channel Selector	Amber, Gray, Maroon & Gold	1.15
55 H 460	R	Channel Selector, UHF	Maroon and Polished Brass	1.82
55 H 461	S	Fine Tuning, UHF	Clear, with Gold Edge	1.23
55 H 462	T	Channel Selector	Brown	1.15
55 H 463	W	Channel Selector	Dark Wine	.97
55 H 464	X	Fine Tuning	Gold and Maroon	.82
55 H 465	Y	Channel Selector	Dark Wine	.59
55 H 467	Z	Fine Tuning	Gold and Maroon	.97



G.E. KNOBS

Av. shpg. wt., 3 oz.

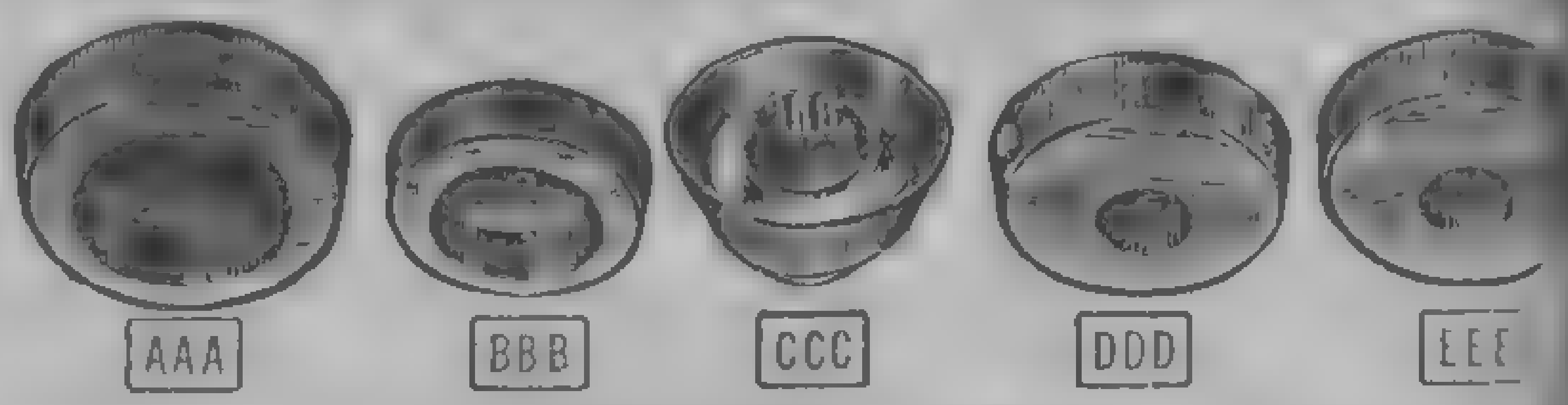
Stock No.	Fig.	Use	Color	NET
55 H 417	AA	Channel Selector	Black and Gold	.88
55 H 418	AA	Channel Selector	Black and Silver	.88
55 H 419	BB	Fine Tuning	Silver	.88
55 H 420	CC	Channel Selector	Green and Gold	1.23
55 H 421	DD	Channel Selector	Clear and Gold	1.47
55 H 422	EE	Fine Tuning	Fawn	.56
55 H 423	FF	Off-On Volume	Fawn	.73
55 H 424	GG	Channel Selector	Fawn	.85
55 H 426	HH	Off-On Volume	Brown and Fawn	.97
55 H 427	JJ	Channel Selector	Brown and Fawn	1.47
55 H 428	KK	Channel Selector	Brown and Gold	1.88
55 H 429	LL	Channel Selector	Brown	2.79
55 H 430	MM	Channel Selector	Brown and Gold	2.06
55 H 431	MM	Channel Selector	Fawn and Gold	2.23
55 H 432	NN	Channel Selector	Brown	1.76



PHILCO KNOBS

Av. shpg. wt., 3

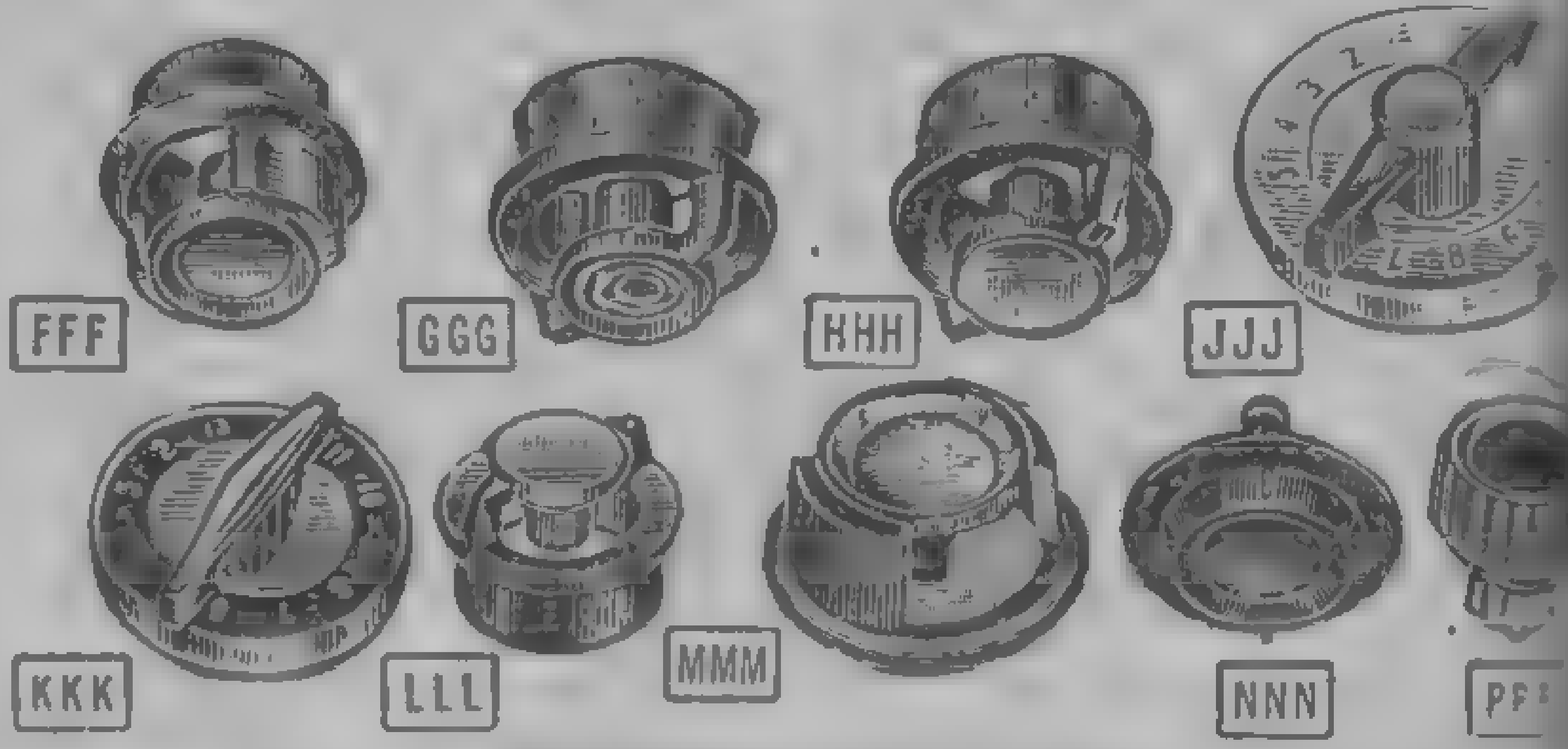
Stock No.	Fig.	Use	Color
55 H 438	PP	Channel Selector	Ivory and Gold
55 H 441	PP	Channel Selector	Ivory only
55 H 439	PP	Channel Selector, UHF	Ivory and Gold
55 H 442	RR	Channel Selector	Mahogany
55 H 443	RR	Channel Selector	Dark Brown
55 H 444	SS	Channel Selector	Mahogany
55 H 445	TT	Channel Selector	Black
55 H 446	WW	Channel Selector	Mahogany and Gold
55 H 447	XX	Channel Selector	Mahogany and Gold
55 H 450	YY	Channel Selector	Gold and Tan
55 H 451	YY	Channel Selector	Brown
55 H 452	ZZ	Channel Selector, UHF	Gold
55 H 453	ZZ	Channel Selector	Gold



MOTOROLA KNOBS

Av. shpg. wt., 3

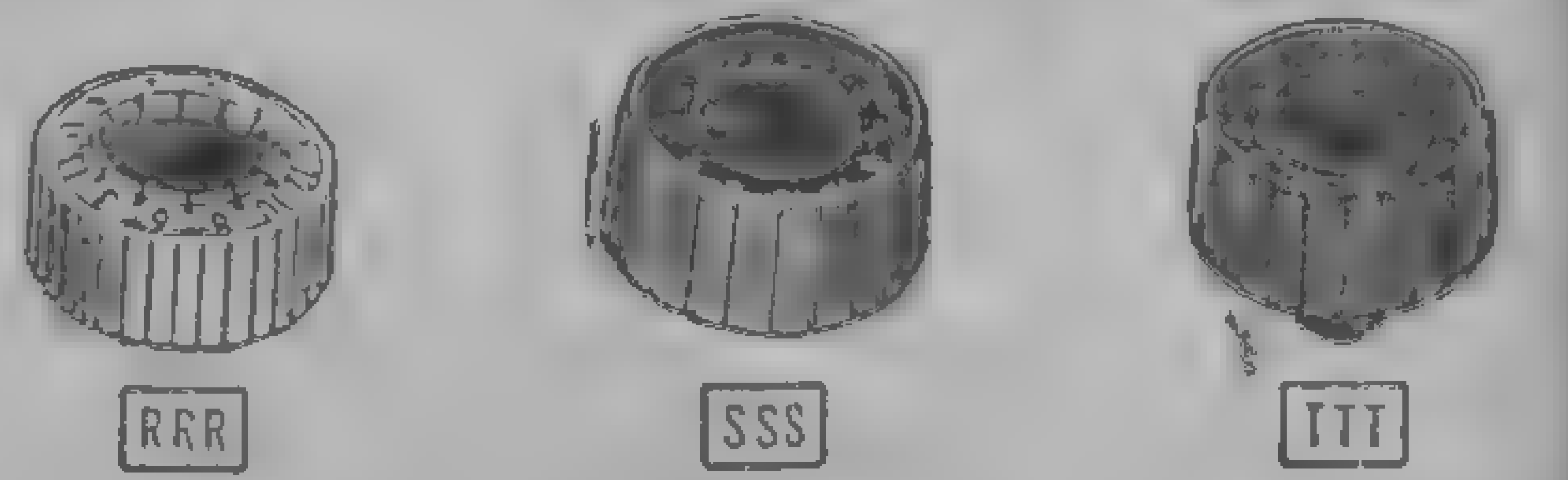
Stock No.	Fig.	Use	Color
55 H 433	AAA	Channel Selector	Mahogany and Gold
55 H 434	BBB	Contrast	Mahogany and Gold
55 H 435	CCC	Fine Tuning and Volume	Mahogany and Gold
55 H 436	DDD	Channel Selector	Mahogany and Gold
55 H 437	EEE	Contrast	Mahogany and Gold



WESTINGHOUSE KNOBS

Av. shpg. wt.,

Stock No.	Fig.	Use	Color
55 H 473	FFF	Channel Selector	Gold and Mahogany
55 H 474	FFF	Channel Selector	Mahogany
55 H 481	FFF	Channel Selector	Black and Gold
55 H 482	FFF	Channel Selector	Gray
55 H 475	GGG	Channel Selector	Rust
55 H 483	GGG	Channel Selector	Maroon
55 H 485	GGG	Channel Selector, UHF	Maroon
55 H 476	HHH	Channel Selector	Gold and Mahogany
55 H 484	HHH	Channel Selector, UHF	Gold and Maroon
55 H 477	JJJ	Channel Selector	Green and Gold
55 H 478	JJJ	Channel Selector	Tan and Gold
55 H 479	KKK	Channel Selector	Green and Gold
55 H 480	KKK	Channel Selector	Mahogany and Gold
55 H 486	LLL	Channel Selector	Mahogany
55 H 487	LLL	Channel Selector	Dark Red and Gold
55 H 488	LLL	Channel Selector	Mahogany and Gold
55 H 489	MMM	On-Off Volume	Dark Red and Gold
55 H 490	MMM	On-Off Volume	Mahogany and Gold
55 H 491	MMM	On-Off Volume	Mahogany
55 H 492	NNN	On-Off Volume	Dark Red and Gold
55 H 493	NNN	On-Off Volume	Mahogany
55 H 494	PPP	Fine Tuning	Rust
55 H 495	PPP	Fine Tuning	Gold



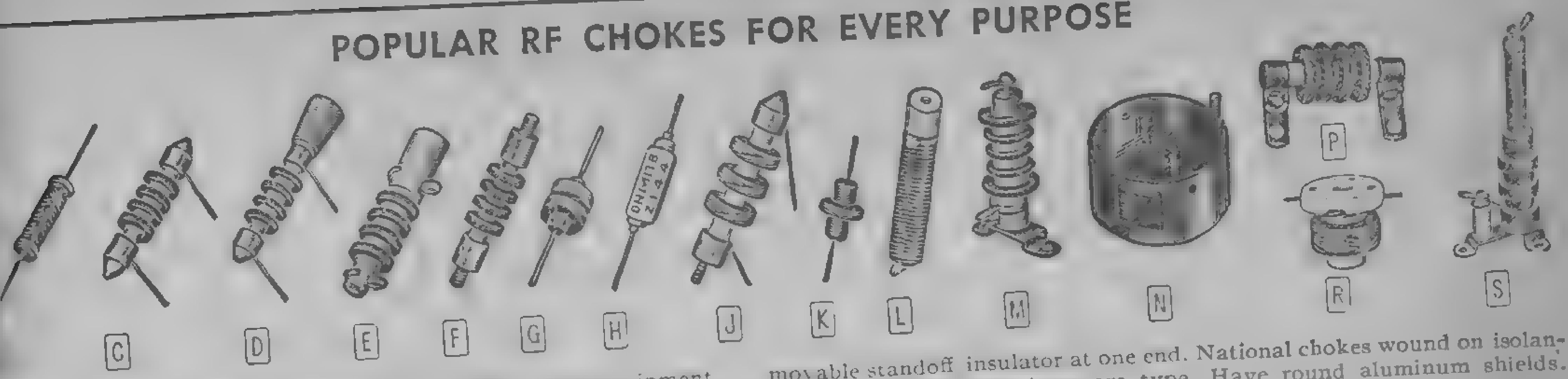
ZENITH KNOBS

Av. shpg. wt.,

Stock No.	Fig.	Use	Color
55 H 468	RRR	Channel Selector	Gold and Ivory
55 H 469	RRR	Channel Selector	Gold and Mahogany
55 H 470	SSS	Channel Selector	Gold and Gray
55 H 471	SSS	Channel Selector	Gold and Mahogany
55 H 472	TTT	Channel Selector	Gold

RF Chokes—Coil Forms—Coil Winder

POPULAR RF CHOKES FOR EVERY PURPOSE



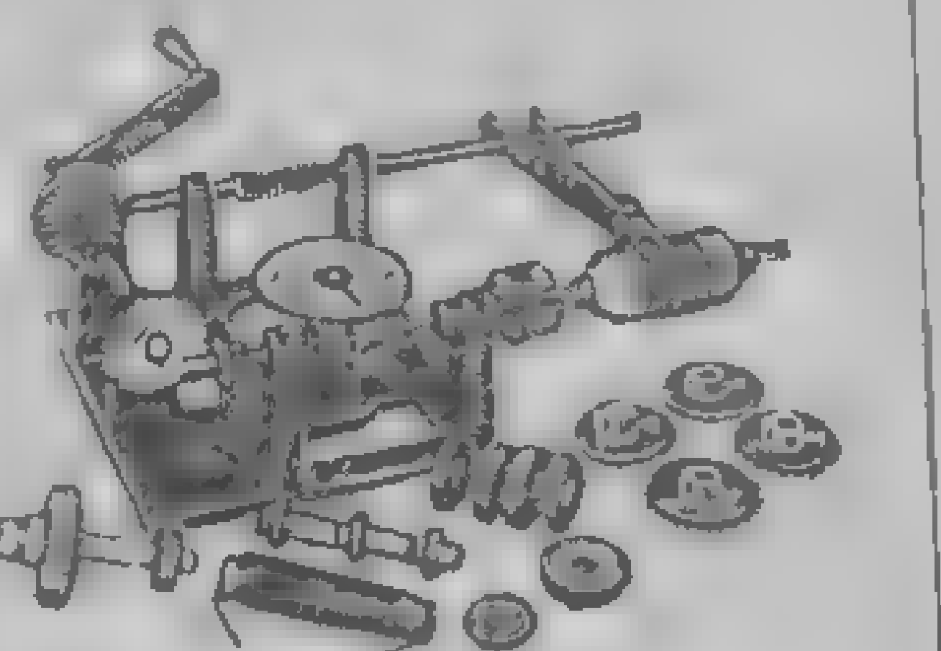
elow may be used in transmitters, receivers, test equipment, H 160 is recommended for transmitters with plate supply of up volts modulated or 4,000 volts unmodulated It may be used on from 80 through 10 meters. R-33 series chokes are two-section; es chokes are 3 and 4-section. 71 H 149 choke is hermetically glass. National suffix "U" following type number indicates removable standoff insulator at one end. National chokes wound on isolantite forms. *Indicates iron-core type. Have round aluminum shields. †Shielded The four highest frequency Ohmite chokes are wound on low power factor plastic cores, the other three units are wound on steatite tubes. §Mounted on standoff insulator for vertical mounting. ‡Millihenries. **Microhenries. Av. shpg. wt., 2 oz.

No.	Mfr.	Type	Fig.	‡Mh	Ma	Ohms	NET
50	National	R-100	C	2.5	115	44	.40
38	National	R-100	C	5	70	90	.40
39	National	R-100	C	10	60	130	.40
52	National	R-300	C	1	400	11	.44
51	National	R-100U§	D	2.5	115	44	.48
86	National	R-100U§	D	5	70	90	.48
87	National	R-100U§	D	10	60	130	.48
53	National	R-300U§	D	1	400	11	.48
61	National	R-100S§	E	2.5	115	44	.48
78	National	R-100S§	E	5	70	90	.48
79	National	R-100S§	E	10	60	130	.48
62	National	R-300S§	E	1	400	11	.48
64	National	R-300ST	F	2.5	375	17	.46
59	National	R-33	G	10**	350	1.8	.40
58	National	R-33	G	50**	225	3.5	.40
63	National	R-33	G	100**	200	5.0	.40
48	National	R-33	G	1**	100	06	.40
49	National	R-33	G	750**	125	16	.40
98	National	R-50	A	2.5	125	38.0	.40
250	National	R-50	A	5	150	15.0	.40
251	National	R-50	A	1	135	23.0	.40
252	National	R-50-I	A	10	115	36.0	.61
253	National	R-60	A	2**	1500	06	.40
56	National	R-154U	M	1	600	6.0	1.61
60	National	R-175A	S	145	800	5.0	3.56
44	J. W. Miller	751†	N	.5	125	11	.85
45	J. W. Miller	752†	N	1.0	125	17	.85
75	J. W. Miller	4532	J	1.5	200	21	.70
46	J. W. Miller	753†	N	2.5	125	28	.91
47	J. W. Miller	754†	N	5.0	125	45	.91
48	J. W. Miller	755†	N	7.5	125	58	.94
49	J. W. Miller	756†	N	10	125	72	1.00
58	J. W. Miller	757†	N	25	125	130	1.06
59	J. W. Miller	758†	N	50	100	190	1.18
60	J. W. Miller	859*†	N	75	100	190	1.68
40	Millen	34100	D	2.5	250	52.5	.48
73	Millen	34101	J	2.5	250	52.5	.42
67	Millen	34103	C	2.5	250	52.5	.42
76	Millen	34106	J	1	300	13.5	.42

Stock No.	Mfr.	Type	Fig.	‡Mh	Ma	Ohms	NET
72 H 134	Millen	34300-100	K	100**	250	7.4	.42
72 H 135	Millen	34300-250	K	250**	250	11	.42
72 H 186	Millen	34300-25	K	25**	250	3.4	.42
72 H 187	Millen	34300-50	K	50**	250	5.2	.42
72 H 188	Millen	34300-300	K	300**	250	10.1	.42
72 H 189	Millen	34300-500	G	500**	250	22.3	.42
72 H 190	Millen	34300-1000	G	1000**	250	21.7	.42
72 H 192	Millen	34225	...	25	75	159	.84
72 H 193	Millen	34280	...	80	75	336	.96
72 H 194	Millen	J300-100	B	100**	50	4.0	.42
72 H 195	Millen	J300-250	B	250**	50	6.2	.42
72 H 196	Millen	J300-500	B	500**	50	14.4	.42
72 H 197	Millen	J300-1000	B	1000**	50	23.7	.42
72 H 198	Millen	J300-2500	B	2500**	50	41.3	.42
60 H 417	P & H	160-6	L	162**	2500	...	13.85
60 H 406	Bud	CH-926S	P	2.5	200	25	.60
60 H 407	Bud	CH-927S	P	5.5	200	32	.60
60 H 408	Bud	CH-928S	P	10	200	49	.60
60 H 409	Bud	CH-929S	P	2.5	400	11	.60
60 H 410	Bud	CH-1222	R	2.5	200	22	.60
60 H 411	Bud	CH-1224	R	5.5	200	33	.60
60 H 412	Bud	CH-1225	R	8	200	40	.60
60 H 413	Bud	CH-1227	R	16	200	59	.60
60 H 414	Bud	CH-1228	R	30	190	88	.68
60 H 415	Bud	CH-1229	R	60	180	130	.75
60 H 416	Bud	CH-1230	R	80	175	160	.83

Stock No.	Mfr.	Type	Fig.	**uh	Ma	Mc	NET
74 M 410	Ohmite	Z-460	H	0.2	1000	320-520	.42
74 M 411	Ohmite	Z-235	H	0.84	1000	160-350	.42
74 M 412	Ohmite	Z-144	H	1.8	1000	80-200	.42
74 M 413	Ohmite	Z-50	H	7.0	1000	35-110	.45
74 M 414	Ohmite	Z-28	...	21	600	20-60	.56
74 M 415	Ohmite	Z-14	...	44	600	7-35	.67
74 M 416	Ohmite	Z-7	...	84	1000	3-20	1.34
71 H 296	National	B20407-1	...	0.32	2000	15	.30
71 H 297	National	B20407-2	...	.65	2000	30	.38
71 H 298	National	B20407-3	...	1.0	2000	45	.48
71 H 299	National	B20407-4	...	1.3	2000	60	.59

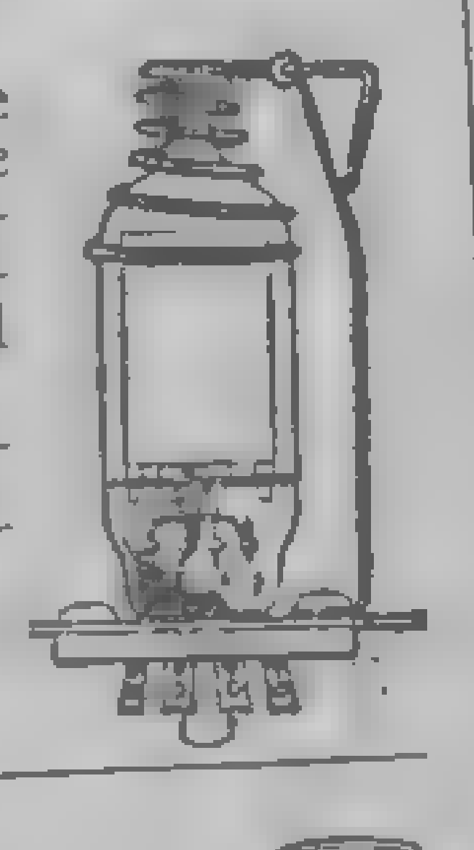
NEW MORRIS "COILMASTER"



, hand-operated coil winder will self-supporting, universal and mb coils; also solenoids, single- coils, etc. It's a big time-saver and your work a professional appearance. or counts turns. Easily adjustable spacing and various diameter coil ccepts No. 22 to No. 40 wire; 3 4 gears permit winding virtually of coils. Less wire, forms. Base 5", 4 lbs.

511. NET.................. 6.95

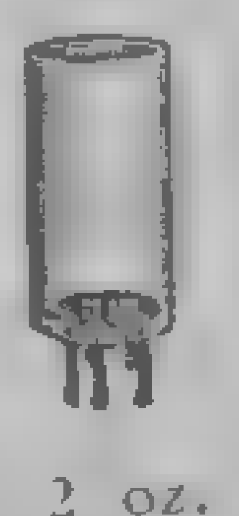
"MINI-SPRING" TUBE HOLD-DOWNS



es securely in place Prevent breakage and assure tability. Valuable where tubes are mounted upside in a horizontal position; also excellent for equip- ect to vibration and shock. For 7 or 9 pin minia- . Mount with nut and bolt, or may be installed . Av. shpg. wt., 3 oz. **3 per package.**

	Type	Height	For Tubes	Per Pkg.
21	562	2⅜″	6AQ5, 6X4, 35B5, 35W4, 50B5, etc.	26c
22	561	1⅞″	1R5, 6AG5, 6AT6, 6BE6, 6C4, etc.	
23	560	1½″	6AJ5, 6AK5, 6AL5, 6AS6, 6N4, etc.	
24	563	1⅞″	12AT7, 12AU7, etc	

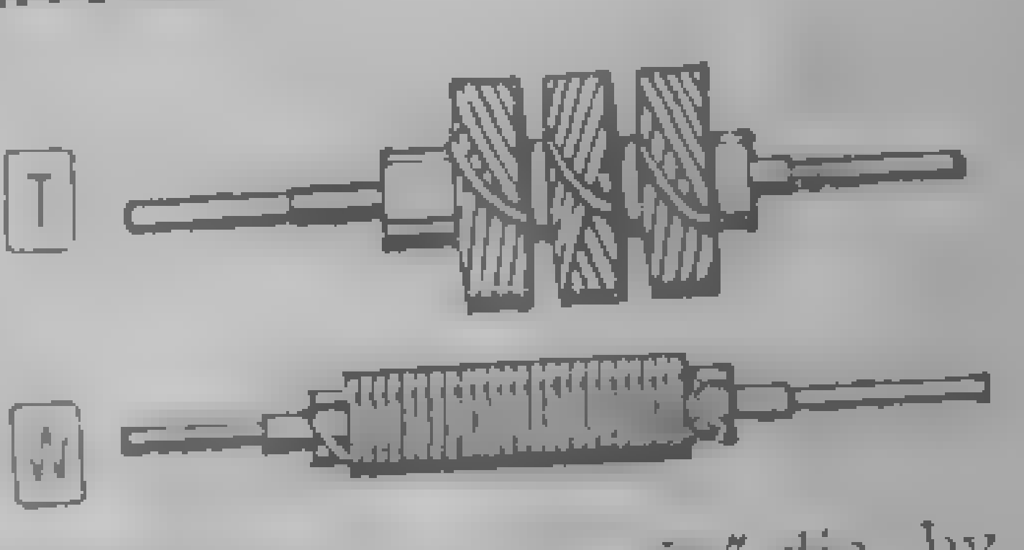
POLYSTYRENE COIL FORMS



y, low-loss, polystyrene coil forms for winding RF types. Excellent for winding plug in type regenerative ; plate, grid or tank coils in VFO's or low power ; grid-dip meter coils; and VHF equipment coils and 6 prong standard forms fit standard tube sockets; prong miniature forms fit Amphenol Type 78-S5S and miniature sockets (see socket listings). Av. shpg wt., 2 oz.

No.	Type	Description	Size	EACH
23	[illegible]	5 Prong Min.	[illegible]	21¢
1	[illegible]	6 Prong Min.	[illegible]	28¢
2	[illegible]	[illegible]	[illegible]	30¢
3	[illegible]	[illegible]	[illegible]	25¢
4	[illegible]	[illegible]	[illegible]	36¢

STANCOR RF CHOKES



Wound on low-loss forms and impregnated with moisture and fungus-resistant varnish. Operate at frequencies up into the UHF region. *Indicates iron-core form (Fig. T), others are phenolic (Fig. W). †Indicates 3-section windings, others are single layer. Rated 300 ma, except 3-section units which are rated 125 ma. Tol., ±5%. 1½″ leads. Sizes: phenolic forms, 3/16″ dia. by ¾″ long; iron core, [illegible]/32″ dia. by ⅞″ long. ‡Millihenries. **Microhenries. 3 oz.

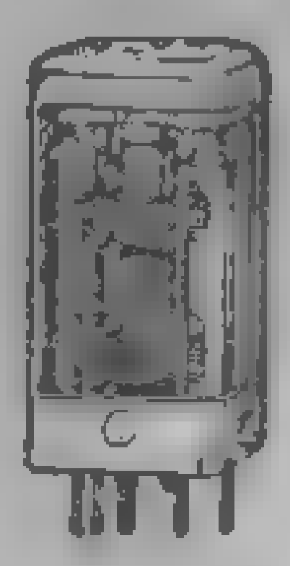
Stock No.	Mfr's Type	‡Mh	Q	Ohms	Freq., Mc	NET EACH
60 H 419	RTC-8511	0.1**	70	.01	490	48¢
60 H 425	RTC-8512	0.22**	95	.017	400	48¢
60 H 426	RTC-8513	0.47**	104	.022	312	48¢
60 H 427	RTC-8514	0.75**	115	.033	267	59¢
60 H 428	RTC-8515	1.00**	58	.05	233	59¢
60 H 429	RTC-8516	1.50**	62	.08	195	59¢
60 H 435	RTC-8517	2.40**	63	.16	154	59¢
60 H 436	RTC-8518	3.90**	70	.50	118	59¢
60 H 437	RTC-8519	5.50**	70	.69	103	59¢
60 H 438	RTC-8520	6.20**	67	.75	96	59¢
60 H 439	RTC-8521	8.20**	67	1.12	85	59¢
60 H 443	RTC-8522	10.0**	67	1.50	76	59¢
60 H 444	RTC-8523*	10.0**	70	.06	48.8	59¢
60 H 452	RTC-8524*	15.0**	58	.12	38.2	59¢
60 H 453	RTC-8525*	24.0**	50	.28	32.1	59¢
60 H 454	RTC-8667*	39.0**	93	.65	25.2	59¢
60 H 457	RTC-8668*	55.0**	89	.92	21.0	59¢
60 H 458	RTC-8526*	62.0**	87	1.0	20.6	59¢
60 H 459	RTC-9171*	82.0**	90	1.6	18.6	59¢
60 H 466	RTC-8669*	100**	80	2.0	14.7	59¢
60 H 467	RTC-8527†	0.10	64	4.1	14.4	59¢
60 H 468	RTC-8528†	0.15	69	5.0	12.2	59¢
60 H 469	RTC-8529†	0.24	74	6.6	9.3	59¢
60 H 475	RTC-9172†	0.39	75	8.7	7.2	59¢
60 H 476	RTC-9173†	0.55	75	10.0	6.2	59¢
60 H 477	RTC-8530†	0.62	72	11.0	6.0	59¢
60 H 478	RTC-8531†	0.75	76	13.0	5.7	59¢
60 H 479	RTC-8532†	1.00	71	15.0	4.8	59¢

J. W. Miller Coils and IF Transformers

RF COILS AND IF TRANSFORMERS

A

B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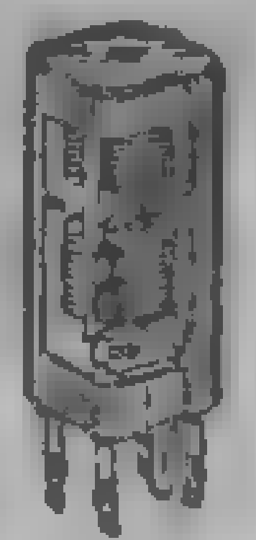
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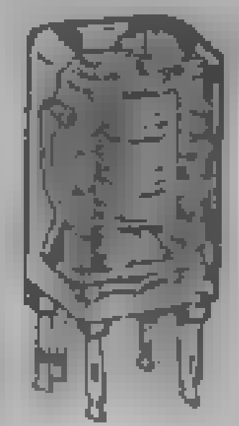
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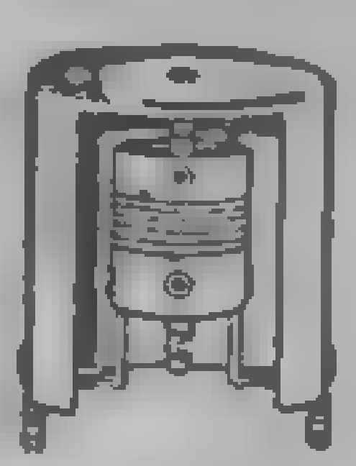
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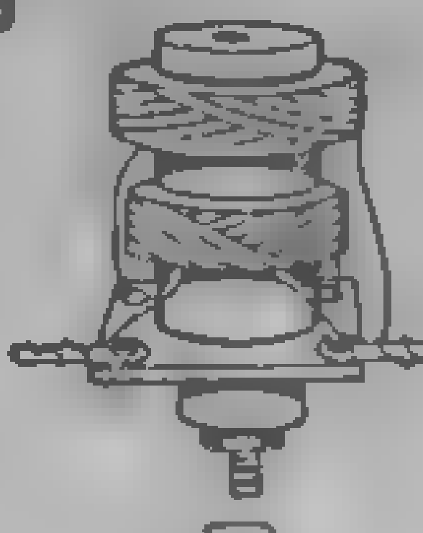
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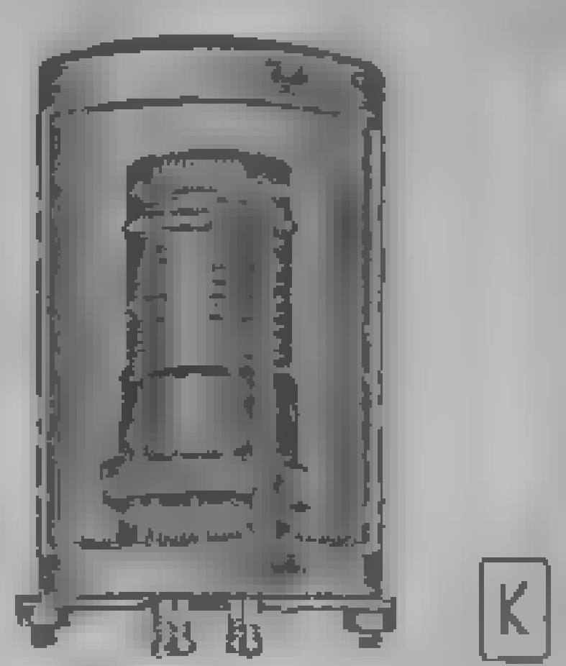
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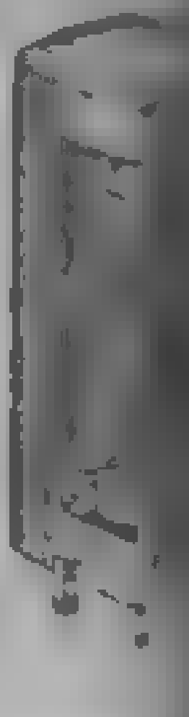
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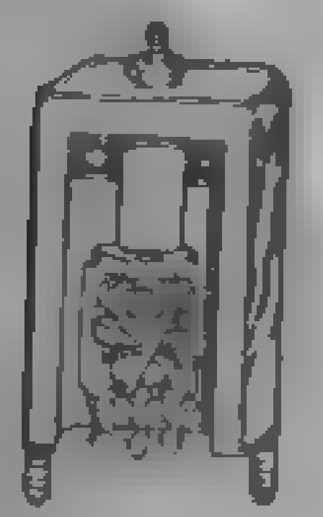
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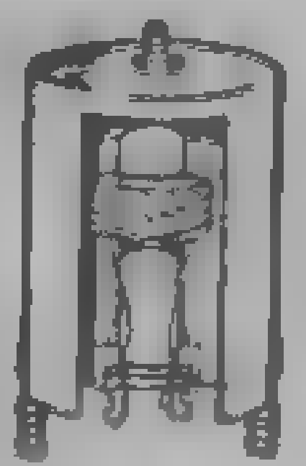
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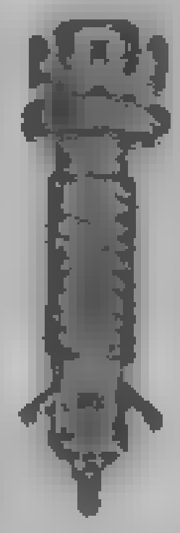
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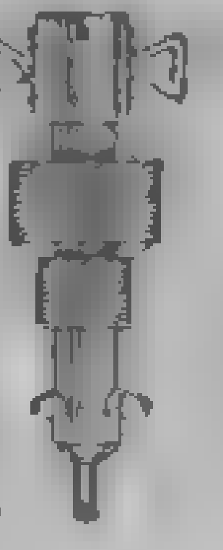
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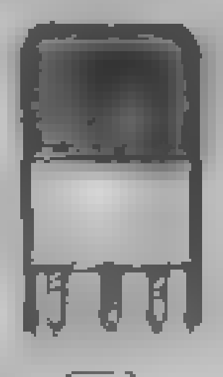
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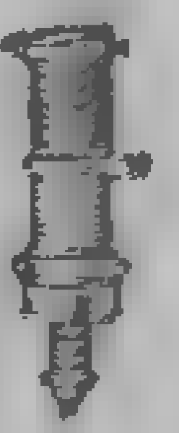
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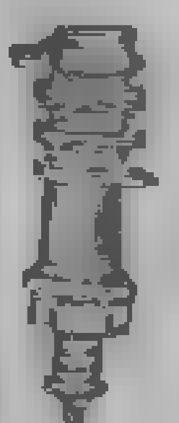
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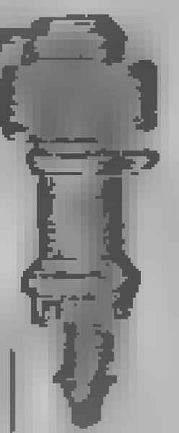
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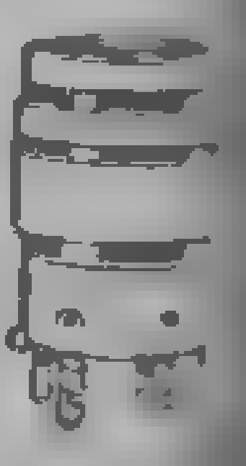
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455-KC IF TRANSFORMERS

A Double-tuned air-core, universal input, interstage or output transformers. Excellent for replacement or experimental use. Universal wound primary and secondary tuned by mica insulated compression-type trimmers for minimum temperature-capacity drift. RETMA (EIA) leads. Size, 11⅜x1⅜x2⅝". Wt., 4 oz.

Stock No.	Mfr's Type	Application	NET EA.
60 H 739	512-C1	Input IF	1.76
60 H 740	512-C2	Interstage IF	
60 H 741	512-C3	Full-wave output IF	
60 H 512	512-C4	Half-wave output IF	

MINIATURE IF TRANSFORMERS

B Shell core, permeability tuned IF transformers. Designed for experimental use and for general replacement in "personal" radio receivers. Tunable powdered iron cores; tuning from top and bottom of shield. *Built-in diode filter capacitors. Size: ¾" sq. x2". With mtg. hardware. Shpg. wt., 4 oz.

No.	Type	Freq.	Use	NET
60 H 727	12-C1	455 kc	IF Input	1.59
60 H 728	12-C2	455 kc	IF Output	1.59
60 H 787	12-C6	455 kc	IF Output*	1.68
60 H 716	12-C7	455 kc	Input (Batt.)	1.59
60 H 717	12-C8	455 kc	Output (Batt.)	1.59
60 H 718	12-C9	455 kc	Input(AC-DC)	1.59
60 H 719	12-C10	455 kc	Outpt.(AC-DC)	1.59
60 H 729	12-H1	262 kc	IF Input	1.71
60 H 731	12-H2	262 kc	IF Output	1.71
60 H 788	12-H6	262 kc	IF Output*	1.76
60 H 732	1463	10.7 mc	Input or Inter.	1.91
60 H 733	1464	10.7 mc	Discriminator	2.20
60 H 734	1465	10.7 mc	Ratio Detect.	2.29
60 H 789	6203	4.5 mc	Input or Inter.	1.94
60 H 790	6204	4.5 mc	Discriminator	2.20
60 H 791	6205	4.5 mc	Ratio Detect.	2.20

MIDGET IF TRANSFORMERS

C Air-core mica trimmer tuned IF's. Excellent gain and selectivity. 6-32 spade-bolt mtg. 1⅛x1⅛x2". Shpg. wt., 4 oz.

No.	Type	Freq'cy	Use	EA.
60 H 735	112-C1	455 kc	Input	1.76
60 H 736	112-C2	455 kc	Interstage	
60 H 737	112-C3	455 kc	CT Output	
60 H 738	112-C4	455 kc	Output	

SUBMINIATURE 455KC IF TRANSFORMERS

D Extremely small IF transformers with excellent gain and bandwidth characteristics. Ferrite-shell cores provide high efficiency. Pri. and sec. mica-trimmer tuned. Only ½" square by 1½" high. Shpg. wt., 3 oz.

60 H 860. Type 10-C1. Input. **NET**
60 H 861. Type 10-C2. Output. **EA**....1.65

TRANSISTOR IF TRANSFORMERS

S **Subminiature.** A tiny 455-kc IF transformer with cup-core construction for top performance. Only ⅜" square by ⅝" high. Primary impedance, 25,000 ohms; secondary impedance, *600 ohms, †1000 ohms. Will match CK760 and CK761 transistors. Primary is tuned and tapped. Shpg. wt., 3 oz.

60 H 802. Type 9-C1*. Input. **NET**
60 H 803. Type 9-C2†. Output. **EA**..2.35

E **Miniature.** High-quality 455-kc IF transformer for compact transistor receivers. Primary impedance, 25,000 ohms; secondary impedance, *600 ohms, †1000 ohms. Will match CK760 and CK761 transistors. Primary is tuned and tapped. Shpg. wt., 3 oz.

60 H 896. Type 2041*. Input. **NET**
60 H 973. Type 2042†. Output. **EA**..2.06

BANDPASS COUPLING COIL

F Negative mutual coupling coil for hi-fi TRF receivers. 1⅞x2". Shpg. wt., 4 oz.

60 H 761. Type EL-56. NET.........88c

MIDGET OSCILLATOR COILS

G H Cover 540-1600 with a 365 mmf capacitor. Series 5480 (Fig. H): single-section secondary with high-impedance primary; for use with pentagrid converters. Series 5481 (Fig. G): no primary, secondary tapped for cathode return; for use with 6BE6 and similar mixers, and with separate oscillator and mixer. Size, 1x1". Shpg. wt., 4 oz.

No.	Type	IF	Padder	EACH
60 H 742	5480-K	175 kc	.001 mfd	1.03
60 H 884	5480-H	262 kc	.0006 mfd	
60 H 743	5480-C	455 kc	.0004 mfd	
60 H 744	5481-C	455 kc	.0004 mfd	
60 H 885	5481-H	262 kc	.0006 mfd	
60 H 981	5481-K	175 kc	.001 mfd	

DELUXE BANK-WOUND COILS

J Shielded antenna RF and bandpass coils. Cover 540-1740 kc with 365 mmf capacitor. Two-bank Litz secondaries. High impedance primaries. 1⅞x3". Shpg. wt., 4 oz.

60 H 783. Type 242-A. Ant. **NET**
60 H 784. Type 242-RF. RF. **EACH** .1.32
60 H 797. Type 242-BP. Bandpass. **NET** 1.18

MINIATURE RF COILS

K Shielded iron-core coils for compact receivers. For 365 mmf tuning capacitors. Antenna and osc. coils have tapped sec. ¾" sq. x 2". *Requires series pad. Shpg. wt., 4 oz.

No.	Type	Use	KC Range	EACH
60 H 798	X-121-A	Antenna	140-425	1.47
60 H 785	X-121-RF	RF	140-425	
60 H 786	X-121-C	Osc.	*120 mmf	
60 H 706	A-121-A	Antenna	540-1700	1.32
60 H 707	A-121-RF	RF	540-1700	
60 H 708	A-121-C	Osc. 455 kc	*400 mmf	
60 H 709	A-121-H	Osc. 262 kc	*600 mmf	

UNIVERSAL ADJUSTABLE BROADCAST BAND COILS

L Compact, variable-inductance iron-core coils for replacement use. Shielded type. Use with 250-450 mmf variable capacitors. Oscillator coils have tapped secondary. 1⅜x1⅜x2½". *IF frequency. Av. shpg. wt., 5 oz.

No.	Type	Use	KC Range	EACH
60 H 748	73-A	Antenna	500-1800	1.88
60 H 749	73-RF	RF	500-1800	
60 H 752	73-OSC	Oscillator	*100-550	

ANTENNA AND RF COILS

M Untuned. Broadly self-resonant from 540 to 1700 kc. No tuning capacitor needed. Can, 2½x1⅝". Shpg. wt., 4 oz.

60 H 758. Type 472-UA. Ant. **NET**...1.62
60 H 759. Type 472-UT. RF. **NET**.....1.91

HIGH "Q" BROADCAST RF COILS

N High-efficiency, unshielded, iron-core coils. For replacement purposes or for new receiver design. Adjustable core for tracking desired frequency range. Range indicated obtained using 365 mmf variable capacitor. Coils mount in ¼" hole. *Padder values shown are for 455 kc IF. Size: ⅜x2". Shpg. wt., 4 oz.

No.	Type	Use	KC Range	EACH
60 H 862	A-5495-A	Antenna	550-1700	1.47
60 H 863	A-5495-RF	RF	550-1700	
60 H 864	A-5495-C	Std. Osc.	*400 mmf	
60 H 865	A-5496-C	Tapped Osc.	*400 mmf	

MINIATURE ADJUSTABLE RF COILS

P Variable-inductance RF coils. Use with tuning capacitors of 250 to 450 max. capacity. Type 70-OSC coil has tapped secondary. 70 series installed self-supported. 71-OSC has 2-tap primary. Both track 100 to 550 kc IF. Max. size: ⅝x1½" high. Av. shpg. wt., 4 oz.

No.	Type	Use	KC Range	NET
60 H 866	70-A	Antenna	540-1600	1.03
60 H 867	70 RF	RF	540-1600	1.03
60 H 868	70-OSC	Osc.	540-1600	1.03
60 H 869	71-OSC	Osc.	540-1600	1.47

TRANSISTOR OSCILLATOR COILS

R **Type 2020.** For use in a converter osci
circuit using only one transistor. F
mmf tuning capacitor, 455 KC IF.
Shpg. wt., 3 oz.
60 H 895. NET ....

Type 2022. Similar to above, except fo
with variable capacitor 78-100 mmf max
60 H 974. NET.................

SUBMINIATURE TRANSISTOR OSC. C

S **Type 2021.** Shielded. For use in conve
circuits using one transistor for osci
mixer. Use with 100 mmf variable capa
Size, ⅝" high x ⅜" sq. Shpg. wt., 2 oz
60 H 975. NET.................. 2

ADJUSTABLE CERAMIC RF INDUCTORS

T W X Adjustable coils for the most e
ing requirements. Wound on sil
impregnated ceramic forms. Tuned by powd
iron core. Fig. T is single-layer wound, Fi
is twin-pi wound, Fig. X is single-pi wo

Standard. High "Q" units with a wide
of inductances. Require ¼" mtg. hole. F
size: ⅜x1¹⁄₁₆". Av. shpg. wt., 3 oz.

No.	Type	Fig.	Microhenries
60 H 982	4400	......	Form only
60 H 983	4403	T	0.9-1.6
60 H 984	4404	T	1.5-3.2
60 H 985	4405	T	3.1-6.8
60 H 986	4406	T	6.7-15
60 H 987	4407	X	14.8-31
60 H 988	4408	X	30-69
60 H 989	4409	X	68-130
60 H 990	4410	X	126-250
60 H 991	4411	X	245-475
60 H 992	4412	X	450-800
60 H 993	4413	W	750-1400
60 H 994	4414	W	1300-2100

Miniature. For limited space. ³⁄₁₆" mtg. h
Form size: ¼x⅞". Av. shpg. wt., 3 oz.

No.	Type	Fig.	Microhenries
60 H 870	4500	......	Form only
60 H 871	4502	T	1.0-1.6
60 H 872	4503	T	1.6-2.8
60 H 873	4504	T	2.8-5
60 H 874	4505	T	5-9
60 H 875	4506	T	9-16
60 H 876	4507	W	16-24
60 H 877	4508	W	24-35
60 H 878	4509	W	35-60
60 H 879	4511	X	60-120
60 H 880	4512	X	110-200
60 H 881	4513	X	190-330
60 H 882	4514	X	320-500

Subminiature. For ultra-compact equip
¹¹⁄₆₄" mtg. hole. Form: ³⁄₁₆x⅝". Wt., 3 oz.

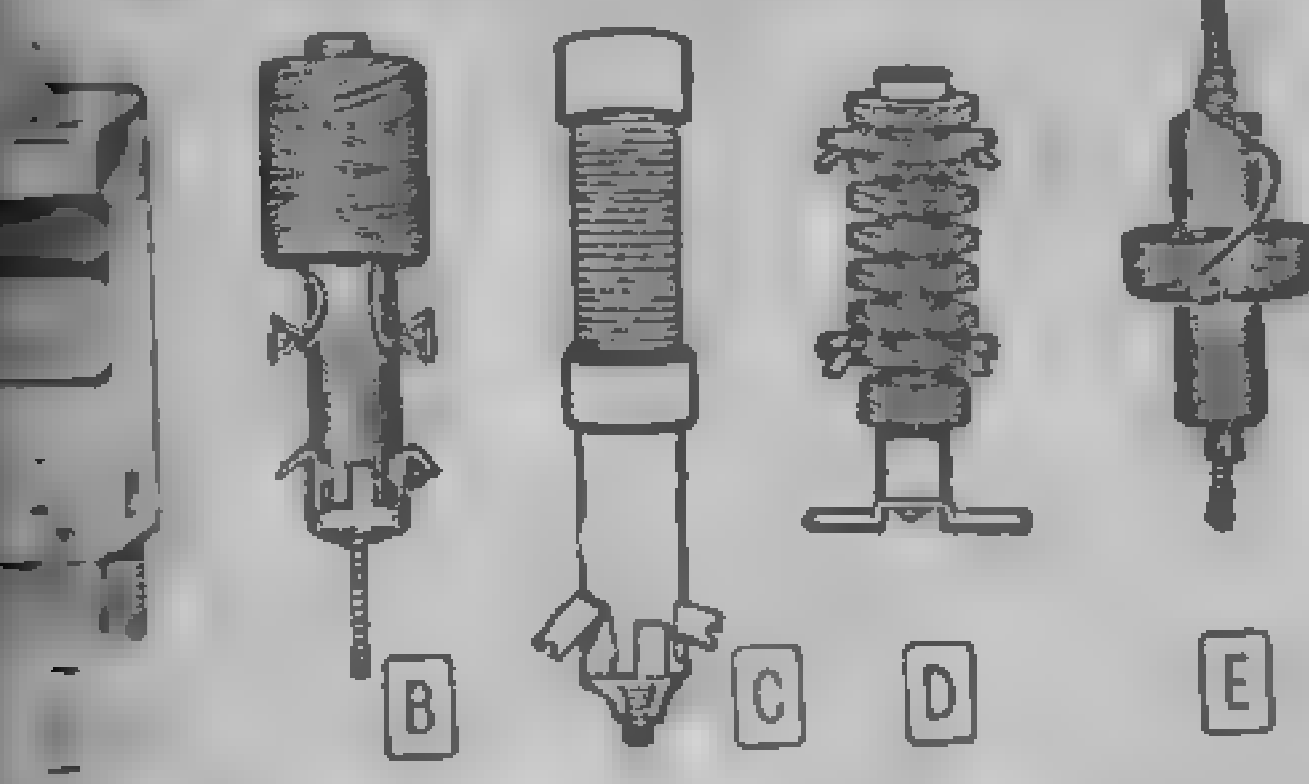
No.	Type	Fig.	Microhenries
60 H 995	4300	......	Form only
60 H 996	4301	T	0.17-0.27
60 H 997	4302	T	0.27-0.41
60 H 998	4303	T	0.40-0.65
60 H 999	4304	T	0.64-0.95
60 H 927	4305	T	0.94-1.55
60 H 928	4306	T	1.5-2.57
60 H 929	4307	T	2.5-4.40
60 H 930	4308	T	4.3-7.15
60 H 931	4309	X	7.1-12.5
60 H 932	4310	X	12.4-20.3
60 H 933	4311	X	20.1-32.8
60 H 934	4312	X	32.5-51.5
60 H 941	4313	X	51-102
60 H 942	4314	X	101-180
60 H 943	4315	X	178-300

TYPE 20 ECONOMY TRF COILS

Y Unshielded TRF coils for 540 to 17
For use with 365 mmf variable capa
With L mtg. bracket. Low impedance pr
on adjustable sleeve over secondary. 1
high. Shpg. wt., 3 oz.
60 H 753. 20-A. Antenna Coil. **NET**..
60 H 590. 20-RF. RF Coil. **NET**.......

J. W. Miller Components — CTC Kits

TV COILS, INDUCTORS & TRANSFORMERS



D DETECTOR AND OSCILLATOR TRANSFORMERS

ality TV components. Type 6192 for receivers with separate 21.25 mc sound nnel. Type 1468 are for 4.5 mc IF in sing inter-carrier sound system; Type re the Foster-Seeley type and are nor- preceded by one or two limiter stages. 1468 are for use in ratio detector circuits. 6194 has tapped coil for horizontal oscil- Synchro-guide circuit. Type 6183 dual es for Sync. Frequency and Phase cir- luminum shields with 6-32 spade bolt ng. Sizes: Type 6192, 1⅛x1⅛x2½"; 1468, 1⅛x1⅛x2⅛"; Type 6194 and 6183, 1 1/16x1 1/16x2½". Shpg. wt., 5 oz.

ck o.	Mfr's Type	Description	NET EACH
- 765	6192	Discriminator	1.94
- 799	6183	Hor. Osc.	1.91
- 769	6194	Hor. Osc.	1.82
- 768	1468	Ratio detector	2.20

NC STABILIZER (RINGING) COIL

Type 6210. Has bakelite form with 7/16" ounting clip. 16-42 mh range. Size, ¾x Shpg. wt., 2 oz.
620. **NET**........................1.47

HORIZONTAL LINEARITY AND WIDTH CONTROLS

ron-core variable inductance coils for horiontal sweep circuits. *Have AGC winding. ting clip fits 5/16" hole. 6300 series are " long on phenolic forms. Shpg. wt., 4 oz.

k No.	Type	Millihenries	NET
- 826	6313	.5-5	1.18
- 827	6314	2.0-18	1.12
- 828	6315	4.0-30	1.18
- 829	6316*	4 0-30	1.62
- 830	6317*	3 2-9	1.47
- 831	6318	.2-3	1 00
- 832	6319	15.0-60	1.47
- 833	6320	.2-3 tapped	1.03
- 834	6321	1.0-5 tapped	1.18
- 835	6322	1.5-10	1.12
- 898	6324	60-130 tapped	1.47

HIGH-VOLTAGE RF POWER SUPPLY TRANSFORMERS

Type 4525. RF power supply transformer or TV receivers, scopes. Up to 5,000 v. DC. 3¾x1¼". Wt., 4 oz.
754. **NET**........................5.44

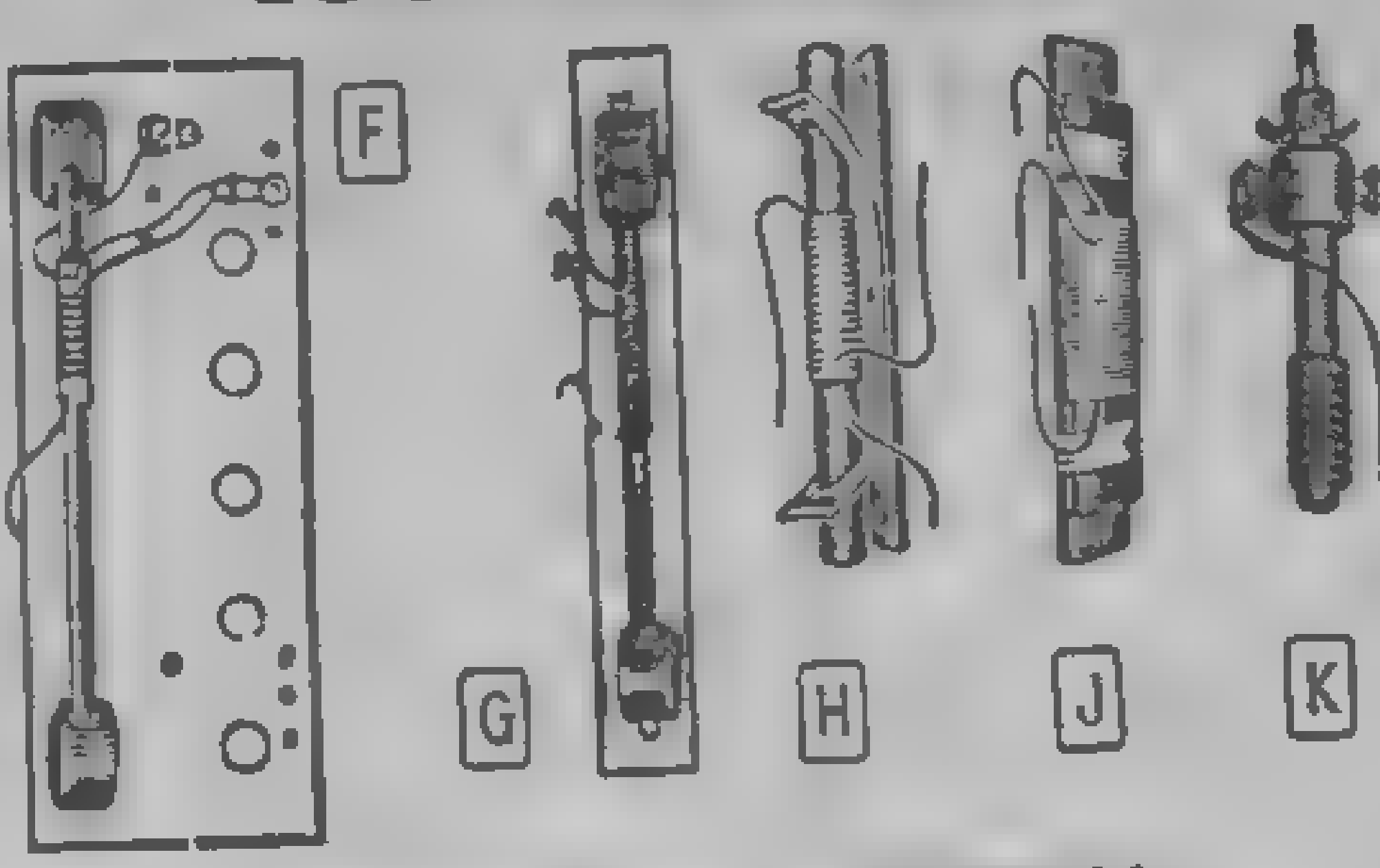
pe 4526. Up to 10,000 v. DC. (30,000 in rec- -tripler circuit). Size, 6x2¼" diameter. wt., 4 oz.
757. **NET**........................8.82

VIDEO PEAKING & FILAMENT CHOKE COILS

Type 6175 is filament choke. Reduces stray coupling, feedback, etc. Others are video king coils for proper bandwidth and wave e of video signals. Coils without shunt re- r wound on plastic forms; shunt types nd on resistor. Over-all size: Type 6175, " diameter; all other types, ⅜x3/16" diam- Av. shpg. wt., 2 oz.

No.	Type	µhys.	Shunt	EACH
H 792	6172	73	None	50c
H 889	6153	120	None	
H 793	6173	250	22 K	
H 794	6174	500	None	
H 776	6175	0.8	None	50c
H 888	6152	20	None	
H 777	6176	36	None	
H 778	6177	93	None	50c
H 779	6178	120	22 K	
H 780	6179	180	39 K	
H 781	6180	180	None	
H 890	6154	200	None	50c
H 782	6181	250	None	
H 891	6155	300	None	

LOOP ANTENNAS



FERRITE ROD ANTENNA

F **Type 705A.** For universal replacement use. Uses a highly efficient design for outstanding performance. Improves reception of distant stations. Extremely easy to adjust. Simply slide the coil along the ferrite rod to peak the antenna. Non-directional. Replaces any loop antenna. 3¼x9½". Shpg. wt., 5 oz.
60 H 893. **NET**........................1.76

TRANSISTOR LOOP ANTENNA

G **Type 2000.** Has fixed inductance loop; picks up adequate signal to the first stage. Inductor is tapped to match the 600 ohm input impedance of the transistor. Frequency range is 540-1650 kc when used with a 365 mmf variable capacitor. 1¼x9½". Shpg. wt., 3 oz.
60 H 894. **NET**........................1.76

TRANSISTOR ANTENNA RODS

H **Type 2001.** Matches 600 ohm input impedance. Inductance, 240 µh. Tunes with 365 mmf. ¾x3¾". Shpg. wt., 4 oz.
60 H 976. **NET**........................1.62

STRIP TRANSISTOR ANTENNA RODS

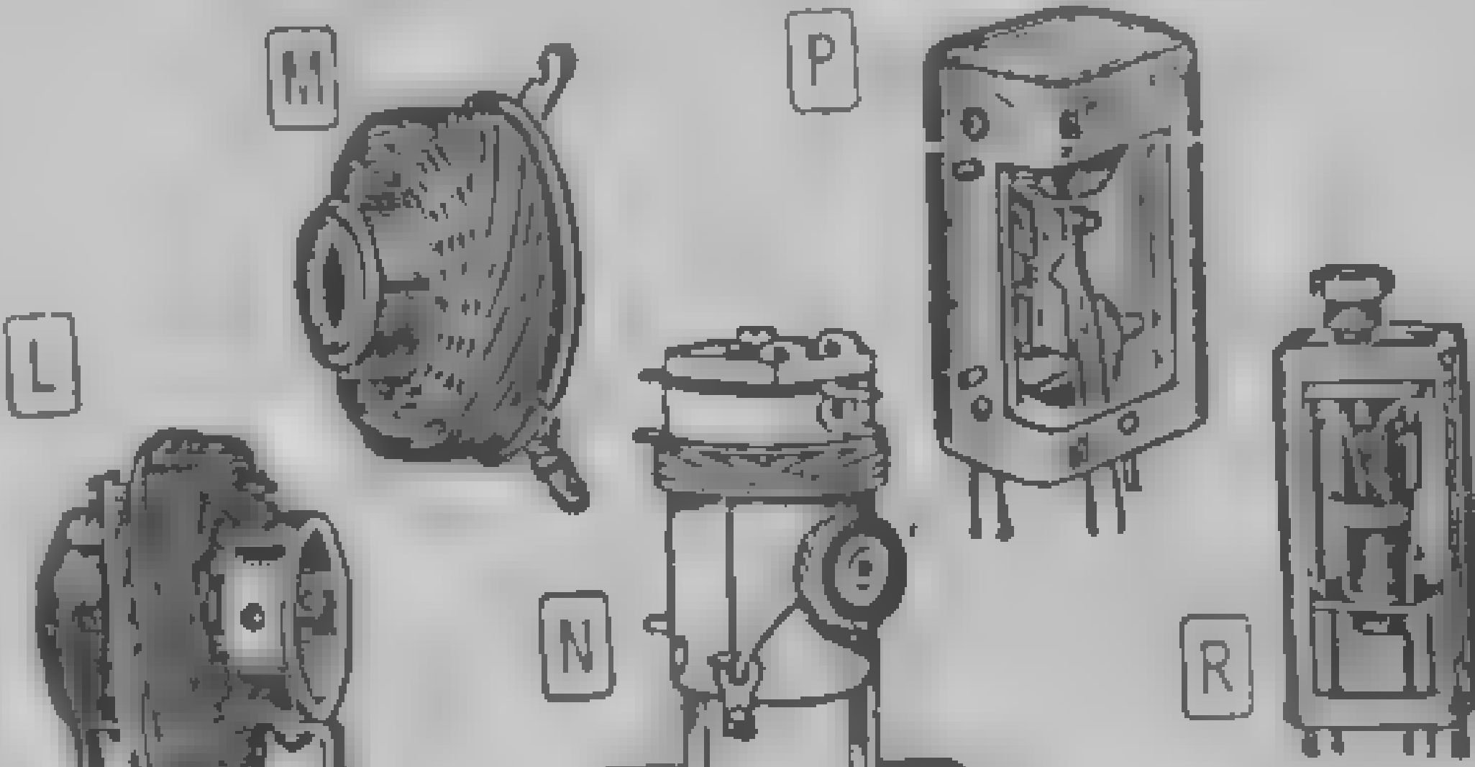
J **Type 2004.** Matches 600 ohm input impedance. Inductance, 240 µh. Tunes with 365 mmf. ¼x¾x3¾". Shpg. wt., 4 oz.
60 H 978. **NET**........................1.62

Type 2005. As above, but 700 microhenries. Use with 125 mmf capacitor.
60 H 979. **NET**........................1.62

SUB-MINIATURE ANTENNA ROD

K **Type 2002.** Adjustable from 35-300 µh. Hi-Q coil tunes with 500 mmf. Mounts in 5/16" hole, or bracket supplied. Matches 600 ohm input. Size, ½x2½". Shpg. wt., 3 oz.
60 H 980. **NET**........................1.00

DUO-LATERAL FILTER CHOKES



L Effective line filters. Duo-lateral wound for low distributed capacity. Ideal for use in AC lines to filter RF or noise pulses from Amateur or commercial transmitters; from power supplies, sign flashers, diathermy equipment, and all intermittent switching systems. 7825 is 1⅞x 1¾" wound on bakelite form. 7827 is 2½x4". wound on ceramic forms.

No.	Type	Amps	Ohms	Oz.	Mh	NET
70 H 185	7825	2	.7	5	.600	1.44
60 H 887	7827	10	.15	16	.370	3.53

CENTER-TAPPED CHOKE

M Duo-lateral wound, single section RF chokes wound with silk-covered enamelled copper wire on impregnated ceramic dowels. 1⅛x⅝" high. Shpg. wt., 4 oz.

Stock No.	Type	Mh	Ohms	Ma	NET
60 H 594	670-T	10	67	125	.79
60 H 588	691-T	20	100	125	.88
60 H 595	693-T	60	200	100	1.18

CAPACITY-OPERATED RELAY COIL

N For alarm systems, window displays, etc. With diagram. ⅞x2¼" high. Wt., 4 oz.
60 H 589. **Type 695. NET**........................2.06

BEAT FREQUENCY OSCILLATOR COIL

R **Type 612-M5.** Mica tuned air core. Frequency, 132. 127-137 kc range. Has knob for adjustment. 3¼x1⅜x1⅜". Wt., 4 oz.
60 H 821. **NET**........................2.31

100 KC HI-Q IF TRANSFORMER

P **Type 1890-P1.** For input or interstage. 3¼x1⅜x1⅞". Shpg. wt., 4 oz.
60 H 822. **NET**........................5.59

MIDGET RF COILS

Type A-320-A. Permeability-tuned broadcast band coils enclosed in aluminum shields. For receiver antenna stage use. Adjustable iron core permits accurate alignment. Frequency range, 540-1700 kc. 1⅛" sq.x2⅛" high. #6-32 spade bolt mounting. Shpg. wt., 4 oz.
60 H 804. **NET**........................1.47

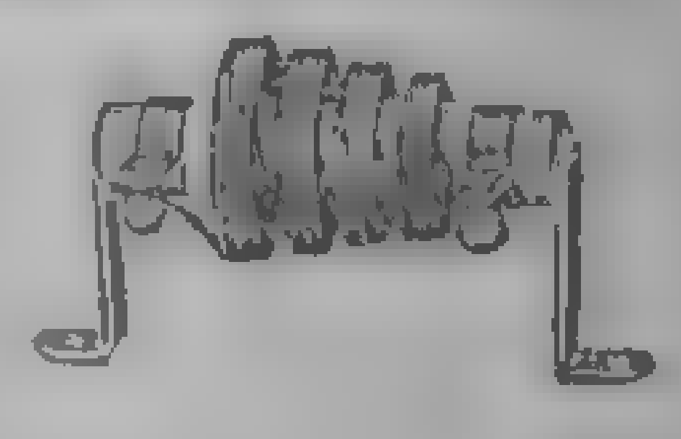
Type A-320-RF. Same as above except for RF stage use. Shpg. wt., 4 oz.
60 H 809. **NET**........................1.47

PRINTED CIRCUIT RF CHOKES

High-quality, air-core RF chokes for use on printed circuit boards. Available in a wide range of inductances for transmitters, receivers, test equipment, etc. Printed-circuit type mounting lugs for quick, easy soldering into circuit. Coil forms are ⅞" long. Av. shpg. wt., 2 oz.

Stock No.	Type	Mh	Ohms	Ma	Dia.	EACH
60H610	970	1	17.2	125	11/16"	.50
60H611	971	1.2	19.8	125	23/32"	.50
60H612	972	1.5	21.8	125	¾"	.50
60H613	973	1.8	24.7	125	¾"	.53
60H614	974	2.2	27.4	125	25/32"	.53
60H615	975	2.7	31.2	125	13/16"	.53
60H616	976	3.3	34.8	125	13/16"	.56
60H617	977	3.9	38.9	125	27/32"	.56
60H618	978	4.7	43.2	125	⅞"	.56
60H619	979	5.6	48	125	29/32"	.56
60H628	980	6.8	53.6	125	15/16"	.59
60H629	981	8.2	60.8	100	27/32"	.59
60H630	982	10	68	100	⅞"	.65
60H631	983	12	77	100	29/32"	.68
60H632	984	15	87.7	100	15/16"	.71
60H633	985	18	97.9	100	31/32"	.74
60H634	986	22	108	75	31/32"	.82
60H635	987	27	121	75	1 1/16"	.85
60H636	988	33	209	75	1"	.91
60H637	989	39	231	75	1 1/16"	.94
60H638	990	47	263	50	29/32"	.97
60H639	991	56	292	50	15/16"	1.00
60H641	992	68	326	50	1"	1.06
60H642	993	82	368	50	1 1/32"	1.12
60H643	994	100	394	50	1 1/16"	1.18

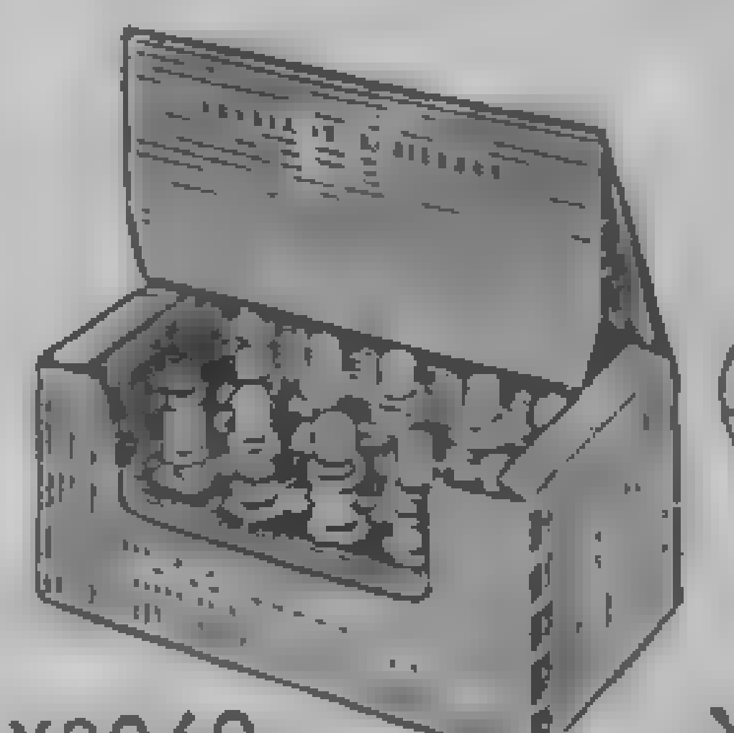
MEDIUM-POWER TRANSMITTER CHOKES



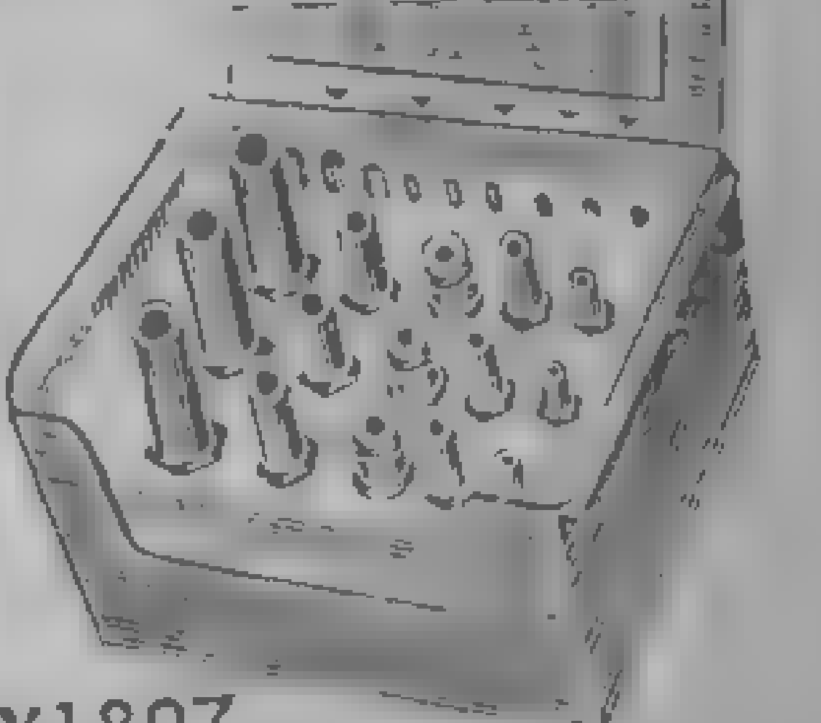
For use in Amateur and commercial equipment. Feature low distributed capacity and accurate inductance values. Multiple section, duo-lateral wound on ceramic forms. Rigid brass terminal clips. Snap-in mounting brackets. #6-32 tapped holes. ½" dia. x 2½" long. Shpg. wt., 4 oz.

No.	Type	mh	Ohms	Ma	NET
60 H 597	4550	2.0	6.5	400	1.62
60 H 598	4551	4.0	10.0	400	1.76

CTC CHOKE KITS



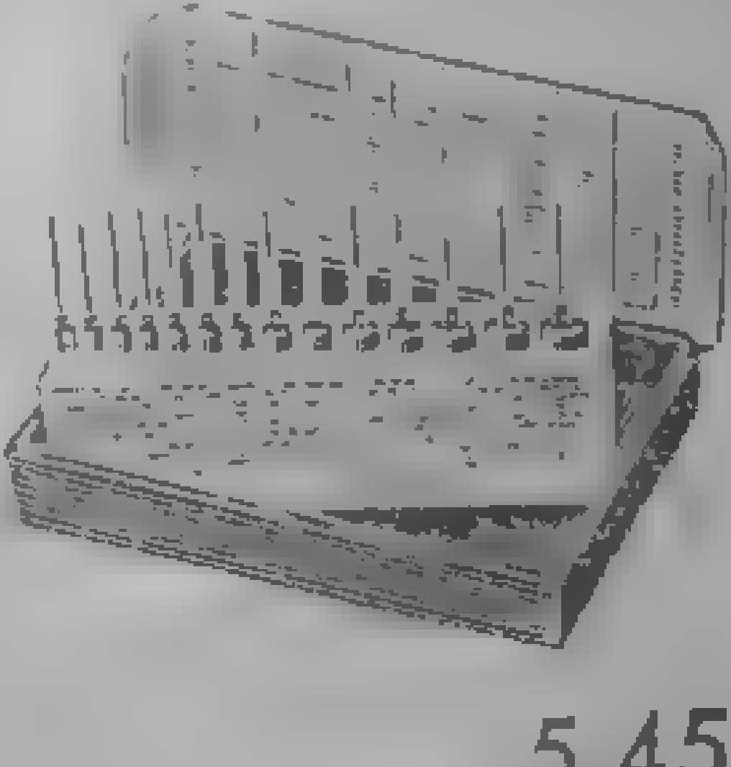
X2060



X1897

X2060 Coil Kit. With 10 PLS6 coil forms wound in overlapping inductance ranges from 2 µh to 800 µh. Contains complete operating data of coils included. Frequency ranges from 0.2-50 mc. Shpg. wt., ½ lb.
72 H 471. **NET**........................10.95

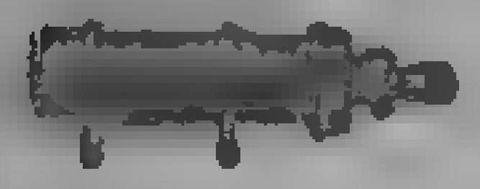
X1897 Coil Form Kit. Includes 15 coil forms (3 each of 5 different types), 19 powdered iron slugs, 5 silver plated brass slugs, and complete set of mounting hardware. Coils covering 50 kc to 200 mc can be wound with the coil forms and slugs supplied. All are ceramic, with silicone fiberglas collars. Wt., 13 oz.
72 H 280. **NET**........................11.95



X2082 RF Choke Kit. Contains 14 RF chokes on LPB-3 phenolic coil forms. Body size 5/32" diameter by ½" long. Axial pigtail leads. Fixed inductance from 6.8 µh to 1000 µh following preferred component values. DC resistance from 1.1 ohms to 2.6 ohms. Color-coded. Shpg. wt., ½ lb.
72 H 472. **NET**........................5.45

Coils and Coil Forms, Insulators, IF Transformers

CTC COILS AND COIL FORMS



For broadband RF amplifiers, TV traps, HF circuits, etc. HF paper base phenolic bodies, except †ceramic. Vertical mounts, except 2270 and 2271, horizontal. §Unassembled forms. All parts non-ferrous and electro-plated. Av. shpg. wt., 4

COILS

Stock No.	Type	Mc.	LxDia.	NET
72 H 283	LSM	1	27/32x1/4"	1.05
72 H 419	LSM	3	27/32x1/4"	1.02
72 H 284	LSM	5	27/32x1/4"	.99
72 H 293	LSM	10	27/32x1/4"	.96
72 H 286	LSM	30	27/32x1/4"	.93
72 H 287	LSM	60	27/32x1/4"	.87
72 H 295	LS3	1	1 1/8x3/8"	1.05
72 H 420	LS3	3	1 1/8x3/8"	1.02
72 H 296	LS3	5	1 1/8x3/8"	.99
72 H 297	LS3	10	1 1/8x3/8"	.96
72 H 298	LS3	30	1 1/8x3/8"	.93
72 H 299	LS3	60	1 1/8x3/8"	.87
72 H 421	2060-1†	20-50	27/32x1/4"	.98
72 H 422	2060-2†	20-50	27/32x1/4"	.98
72 H 423	2060-3†	1-20	27/32x1/4"	1.07
72 H 424	2060-4†	1-20	27/32x1/4"	1.07

COILS

Stock No.	Type	Mc.	LxDia.	NET
72 H 438	2060-5†	1-20	27/32x1/4"	1.13
72 H 439	2060-6†	0.2-1.5	27/32x1/4"	1.22
72 H 440	2060-7†	0.2-1.5	27/32x1/4"	1.30
72 H 441	2060-8†	0.2-1.5	27/32x1/4"	1.39
72 H 442	2060-9†	0.2-1.5	27/32x1/4"	1.45
72 H 443	2060-10†	0.2-1.5	27/32x1/4"	1.50

COIL FORMS FOR 1-20 MC

Stock No.	Type	LxDia.	NET
72 H 446	PLS5-2C4L/B†	1 1/16x3/8"	.77
72 H 448	PLS6-2C4L/E†	27/32x1/4"	.72
72 H 457	PLS7-2C4L/H†	1 11/16x1/2"	.89
72 H 459	SPC-1A-4L§	3/4x27/64"	.23
72 H 460	SPC-2B-4L§	3/4x27/64"	.23
72 H 461	SPC-11A-4L†§	5/8x13/32"	.26

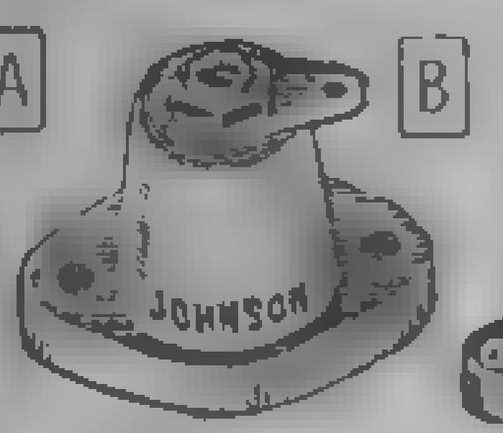
COIL FORMS FOR 1-20 MC

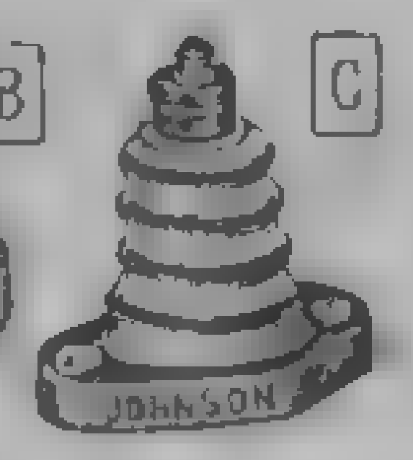
Stock No.	Type	LxDia.
72 H 462	SPC-12A-4L†§	13/16x13/32"
72 H 463	2270-2†§	5/8x3/8"
72 H 464	2271-2†§	13/16x3/8"
72 H 282	LSM/E	27/32x1/4"
72 H 294	LS3/B	1 1/8x3/8"
72 H 288	LS4/K	2x1/2"
72 H 289	PLS5/B†	1 1/16x3/8"
72 H 292	PLS6/E†	27/32x1/4"

COIL FORMS FOR 20-50 MC

Stock No.	Type	LxDia.
72 H 444	PLST-2C4L/N†	19/32x3/16"
72 H 445	PLST-2C4L/P†	19/32x3/16"
72 H 447	PLS5-2C4L/N†	1 1/16x3/8"
72 H 449	PLS6-2C4L/O†	27/32x1/4"
72 H 458	PLS7-2C4L/O†	1 11/16x1/2"

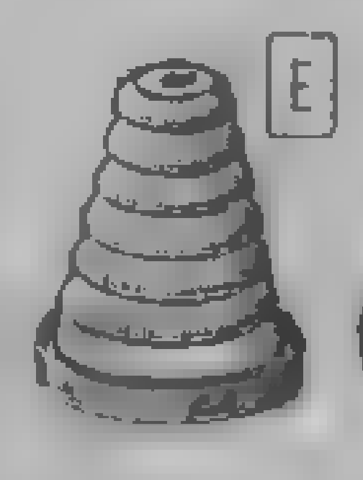
E. F. JOHNSON INSULATORS

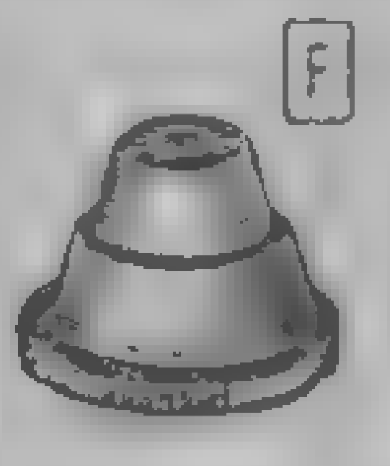


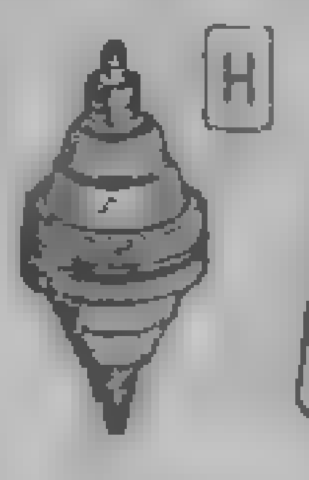


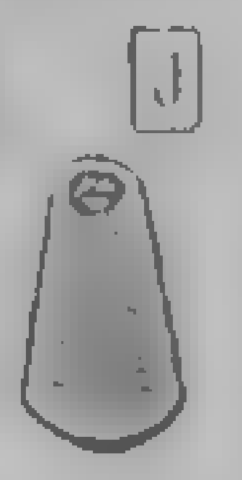
Stand-Off Insulators. High-glaze porcelain, except §steatite. Ideal for transmitter applications, etc. Long leakage path, low capacity and freedom from moisture absorption. Breakage resistant bases. Nickel-plated brass hardware. 135-65, 135-65-2, 135-68, 135-68-2 are ribbed; others have drawn bases. †Indicates banana jack and solder lug, as in Fig. B—†740 jack is standard .166" inner dia., and †760 is jumbo .277" banana jack. *Like Fig. C, but square base and 4 mtg. holes. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Fig.	Body Ht.	Hardware	NET
73 H 120	135-20§	A	1 5/16"	10-32	25¢
73 H 121	135-20-2	B	1 5/16"	740†	30¢
73 H 122	135-22§	A	1"	8-32	19¢
73 H 123	135-22-2	B	1"	740†	23¢
73 H 139	135-24§	A	5/8"	6-32	15¢
73 H 125	135-60	*	4 1/2"	1/4-20	98¢
73 H 126	135-62	*	2 3/4"	1/4-20	60¢
73 H 127	135-65	C	1 3/8"	10-32	30¢
73 H 128	135-65-2	C	1 3/8"	740†	39¢
73 H 129	135-66	D	2 3/4"	1/4-20	87¢
73 H 130	135-66-2	D	2 3/4"	760†	98¢
73 H 131	135-67	D	4 1/2"	1/4-20	98¢
73 H 136	135-68	*	2"	10-32	46¢
73 H 137	135-68-2	*	2"	740†	54¢







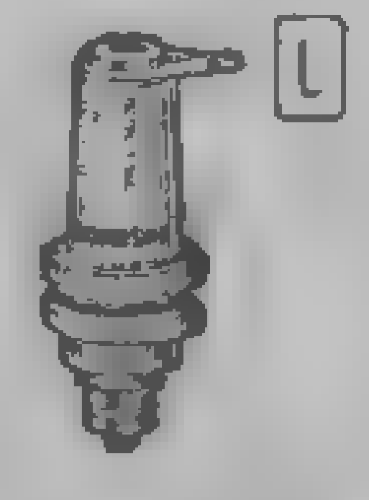


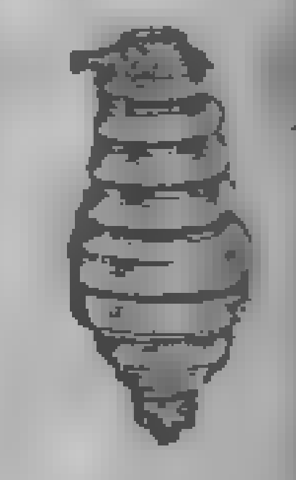
Lead-in Bushings. For transmitter and antenna installations. Ideal as power supply and high-voltage terminals. 135-50, 135-51, 135-52, 135-55 are steatite, with nickeled brass rod and nuts; 135-53 and 135-54 are porcelain, less hardware. Av. wt., 8 oz.

Stock No.	Mfr's Type	Fig.	Top Ht.	Max. Dia.	Panel Hole	NET EA.
73 H 160	135-50	H	1 1/2"	3/4"	15/32"	33¢
73 H 161	135-51	H	9/16"	1 1/4"	27/32"	54¢
73 H 162	135-52	H	1 1/8"	1 3/4"	1 7/32"	78¢
73 H 163	135-53	F	1 3/4"	2 1/2"	1 13/32"	29¢
73 H 164	135-54	E	4"	3 1/2"	2 11/16"	79¢
73 H 165	135-55	G	1/4"	3/4"	15/32"	31¢

J **Ultra-Steatite Cone Insulators.** Non-ribbed high grade insulators. Ideal for mounting coils, capacitors, etc. Threads tapped directly into steatite. Width shown is maximum (base). With hardware. Wt., 5 oz.

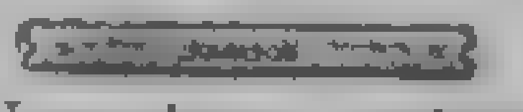
No.	Type	Height	Width	NET
73 H 150	135-500	5/8"	5/8"	.23
73 H 151	135-501	1"	3/4"	.31
73 H 152	135-502	1 1/2"	1"	.51
73 H 153	135-503	2"	1 1/4"	.71
73 H 154	135-504	3"	1 1/2"	1.20





Thru-Panel Insulators. High mecha strength; long leakage paths. White glaze celain, except †steatite. *Have Type 1(jack, see jack listing. Shpg. wt., 12 oz.

Stock No.	Mfr's Type	Fig.	Top Ht.	Panel Hole	Hardware
73 H 225	135-40†	K	1 1/4"	7/16"	10-32
73 H 226	135-40-2	L	1 1/4"	7/16"	*
73 H 227	135-42†	K	7/8"	13/32"	10-32
73 H 228	135-42-2	L	7/8"	13/32"	*
73 H 229	135-44†	K	5/8"	5/16"	6-32
73 H 230	135-45	M	1 3/8"	1/2"	10-32
73 H 231	135-45-2	N	1 3/8"	1/2"	*
73 H 233	135-46	K	2 3/4"	11/16"	1/4-20
73 H 235	135-47	K	4 1/2"	31/32"	1/4-20
73 H 223	135-48	M	2"	11/16"	10-32
73 H 224	135-48-2	N	2"	11/16"	*

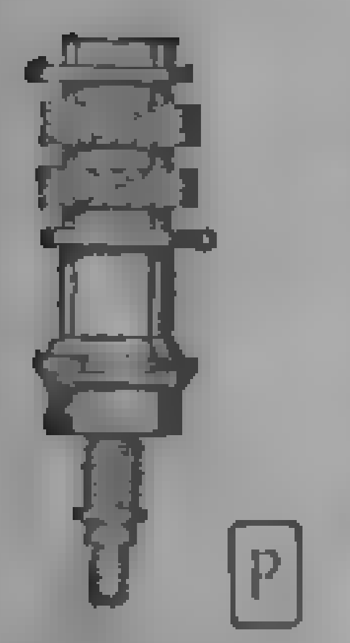


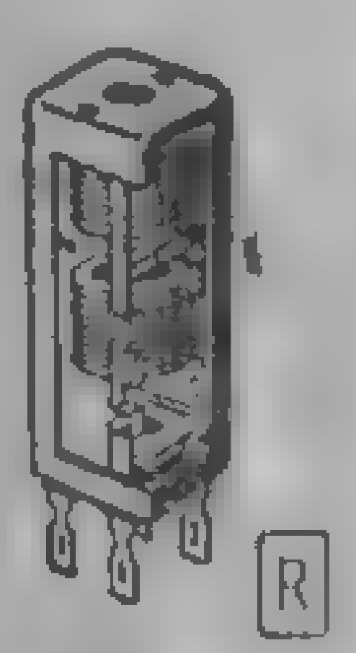
FEEDER SPREADERS

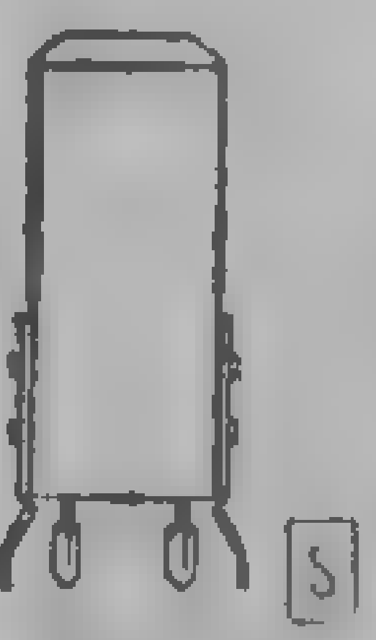
Low-loss, moisture-proof, unglazed porc For constructing transmission lines with 600-ohm impedance. 3/8x1/2". Av. shpg. wt.,

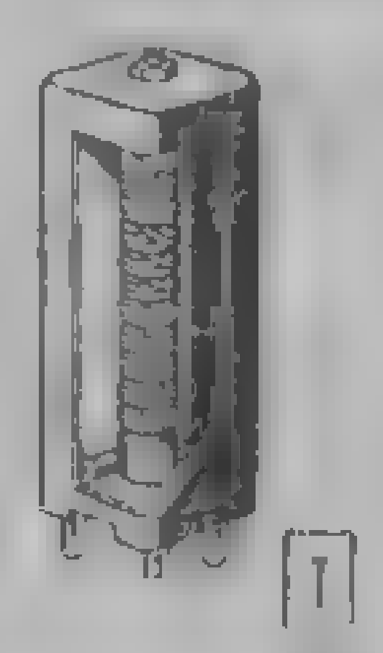
No.	Type	Length	NE
73 H 111	136-122	2"	17
73 H 112	136-124	4"	24
73 H 113	136-126	6"	32

STANCOR RF COILS AND IF TRANSFORMERS









Miniature Transistor IF Transformers. (Not illus.) Tuned, tapped primary; untuned secondary. 1/2" sq. x 3/4" high. Shpg. wt., 2 oz.

Stock No.	Type	Imp., Ohms	Use	NET
60 H 481	RTC-9083	10K-.6K	Input	3.23
60 H 482	RTC-9084	10K-1K	Output	3.23
60 H 483	RTC-9085	25K-.6K	Input	2.06
60 H 496	RTC-9086	25K-1K	Output	2.06
60 H 497	RTC-9087	100K-1K	Input	2.35

P **Miniature Adjustable RF Coils.** Powdered-iron core. Form, 1/4" dia. x 7/8". For 3/16" mtg. hole. *With hardware and core. 3 oz.

Stock No.	Type	µh Inductance	NET
60 H 498	RTC-9137	*Form only	1.09
60 H 499	RTC-9138	0.4 to 0.8	1.50
60 H 503	RTC-9139	1 to 1.6	1.50
60 H 504	RTC-9140	1.6 to 2.8	1.56
60 H 508	RTC-9141	2.8 to 5	1.59
60 H 509	RTC-9142	5 to 9	1.65
60 H 513	RTC-9143	9 to 16	1.73
60 H 514	RTC-9144	16 to 24	1.79
60 H 517	RTC-9145	24 to 35	1.82
60 H 518	RTC-9146	35 to 60	1.85
60 H 519	RTC-9147	60 to 120	1.88
60 H 522	RTC-9148	110 to 200	1.91
60 H 523	RTC-9149	190 to 330	1.94
60 H 524	RTC-9150	320 to 500	2.00
60 H 525	RTC-9151	480 to 800	2.06

RTC-8648 Adjustable Oscillator Coil. (Not illus.) 500-1800 kc; for 100-550 kc IF's. Primary has 2 taps. 5/8x1 1/2". 3 oz.
60 H 526, NET........ ... 1.47

R **Miniature RF Coils.** Shielded, iron-core. For compact receivers. For 365-mmf variables. *Series pad required for 455 kc; †pad required for 262 kc. 3/4x3/4x2". 3 oz.

Stock No.	Type	Use	Freq. Range	NET
60 H 527	RTC-8756	Ant.	140-425 kc	1.65
60 H 528	RTC-8757	RF	140-425 kc	1.65
60 H 529	RTC-8758	Osc.	*120 mmf	1.65
60 H 532	RTC-8631	Ant.	540-1700 kc	1.03
60 H 533	RTC-8759	RF	540-1700 kc	1.47
60 H 534	RTC-8760	Osc.	*400 mmf	1.47
60 H 537	RTC-8761	Osc.	†600 mmf	1.50
60 H 538	RTC-8762	Ant.	2.1-6.3 mc	1.47
60 H 539	RTC-8763	RF	2.1-6.3 mc	1.47
60 H 544	RTC-8764	Osc.	*1600 mmf	1.47

S **Miniature Printed Circuit IF Transformers.** *With diode filter capacitor; †for batt. sets; ‡AC-DC radios; IS, interstage. 3/4x3/4x2". Shpg. wt., 3 oz.

Stock No.	Type	Freq.	Application	NET EA.
60 H 548	RTC-8644	262 kc	Input	1.91
60 H 549	RTC-8685	262 kc	Output	1.76
60 H 552	RTC-8645	262 kc	Output*	1.91
60 H 553	RTC-8641	455 kc	Input	1.62
60 H 554	RTC-8642	455 kc	Output	2.59
60 H 557	RTC-8643	455 kc	Output*	1.65
60 H 558	RTC-8681	455 kc	Input†	1.76
60 H 559	RTC-8682	455 kc	Output†	1.76
60 H 562	RTC-8683	455 kc	Input‡	1.76
60 H 563	RTC-8684	455 kc	Output‡	1.76
60 H 564	RTC-8546	4.5 mc	Input or IS	1.91
60 H 567	RTC-8619	4.5 mc	Discriminator	2.20
60 H 568	RTC-8621	4.5 mc	Ratio Detector	2.47
60 H 569	RTC-9242	4.5 mc	Ratio Detector	2.94
60 H 572	RTC-9243	4.5 mc	Ratio Detector	2.50
60 H 573	RTC-9244	4.5 mc	Ratio Detector	2.94
60 H 574	RTC-9046	10.7 mc	Input or IS	1.91
60 H 577	RTC-9050	10.7 mc	Discriminator	2.20
60 H 578	RTC-9053	10.7 mc	Ratio Detector	2.20
60 H 581	RTC-9245	44 mc	TV Converter	2.06
60 H 582	RTC-9246	44 mc	TV 1st IF	2.06
60 H 585	RTC-8560	42.5 mc	TV 2nd IF	2.06
60 H 586	RTC-8562	45.5 mc	TV 3rd IF	2.06
60 H 587	RTC-8564	44 mc	TV 4th IF	2.06

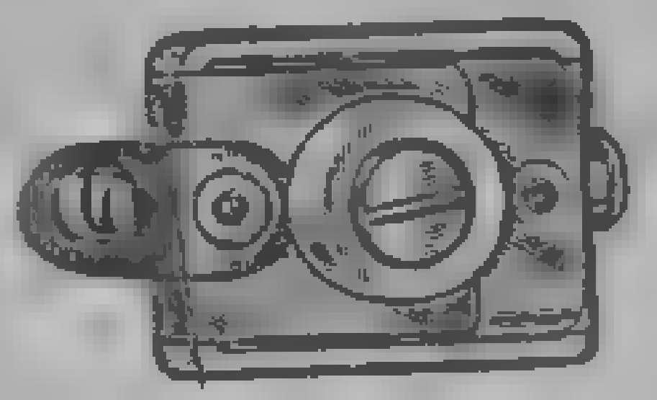
4.5-Mc Miniature IF Transformers. (N illus.) Shell core; built-in silver-mica capaci With mtg. clip. 3/4x3/4x2". 3 oz.

Stock No.	Type	Description	
60 H 599	RTC-8545	Input or Interstage	2.
60 H 661	RTC-8618	Discriminator	2.
60 H 662	RTC-8620	Ratio Detector	2.
60 H 663	RTC-9242	Ratio Detector	2.
60 H 664	RTC-9243	Ratio Detector	2
60 H 667	RTC-9244	Ratio Detector	2

T **Miniature IF Transformers.** *With d filter capacitors; †batt. radios; ‡A(sets; IS, Interstage. Shell core; mtg. clip 3/4x2". Shpg. wt., 3 oz.

Stock No.	Type	Freq.	Application	NE
60 H 668	RTC-8638	262 kc	Input	1.
60 H 669	RTC-8639	262 kc	Output	1.
60 H 672	RTC-8640	262 kc	Output*	1.
60 H 673	RTC-8632	455 kc	Input	1.
60 H 674	RTC-8633	455 kc	Output	1.
60 H 677	RTC-8634	455 kc	Output*	1.
60 H 678	RTC-8675	455 kc	Input†	1.
60 H 679	RTC-8635	455 kc	Output†	1.
60 H 682	RTC-8636	455 kc	Input‡	1.
60 H 683	RTC-8637	455 kc	Output‡	1.
60 H 684	RTC-8676	455 kc	IF	1.
60 H 685	RTC-8677	455 kc	Tapped Primary	2.
60 H 686	RTC-8678	455 kc	Discriminator	2.
60 H 687	RTC-8686	1500 kc	Input or IS	1.
60 H 688	RTC-8687	1500 kc	Output	1.
60 H 689	RTC-8599	10.7 mc	Input or IS	1.
60 H 692	RTC-8665	10.7 mc	Discriminator	2.
60 H 693	RTC-9052	10.7 mc	Discriminator	2.
60 H 694	RTC-8600	10.7 mc	Ratio Detector	2.
60 H 696	RTC-9054	10.7 mc	Ratio Detector	2.
60 H 697	RTC-8545	4.5 mc	Input or IS	2.
60 H 698	RTC-8618	4.5 mc	Discriminator	2.
60 H 699	RTC-8620	4.5 mc	Ratio Detector	2.
60 H 902	RTC-9249	21.25mc	Input or IS	2.
60 H 903	RTC-9250	21.25mc	Discriminator	2.
60 H 904	RTC-9251	21.25mc	Ratio Detector	2.
60 H 908	RTC-8557	44 mc	TV Converter	1.
60 H 909	RTC-8558	44 mc	TV First IF	1.
60 H 910	RTC-8559	42.5 mc	TV Second IF	1.
60 H 911	RTC-8561	45.5 mc	TV Third IF	2
60 H 912	RTC-8563	44 mc	TV Fourth IF	1.

RIMMERS AND PADDERS



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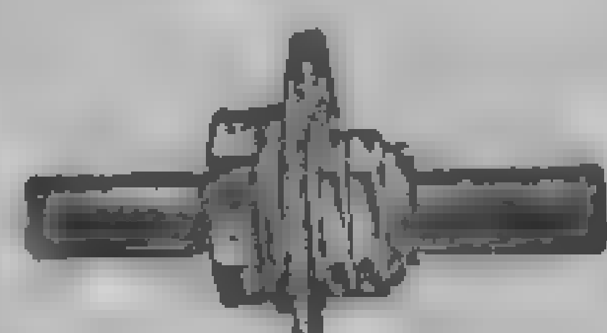
ttings. Low-loss
ase. Clear India
e adjusting plates
en rigidly con-
o permit bending soldering lugs with-
ing capacity. Size, $\frac{11}{16}$x¾x⅝″. Mtg,
″. Ranges indicated below are mmf.
rns open trimmer to tight setting.
wt., 2 oz.

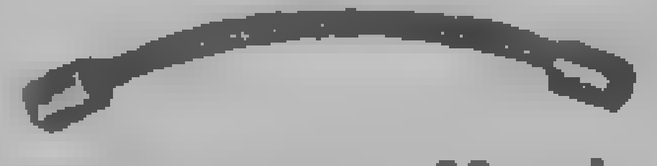
No.	Min. Mmf	Max. Mmf	NET
347	1.5	15	12¢
340	2.0	30	12¢
341	5.0	80	12¢
42	9.0	180	14¢
43	25	280	15¢
44	50	380	17¢
45	80	480	19¢
46	110	580	23¢
348	140	680	24¢
349	170	780	27¢

ANEL BEARING ASSEMBLY

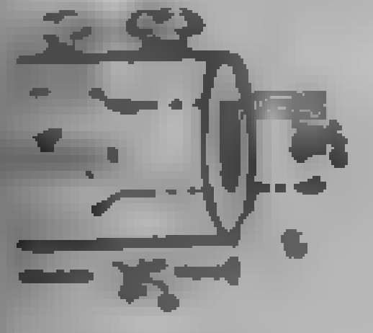


with rigid or flex-
plings for mount-
me controls, etc.,
from the panel.
has short stub
; long shaft extending back for cou-
Made of brass. Take panels up to $\frac{7}{16}$″
For standard ¼″ shafts. Supplied with
sulating washers. Wt., 3 oz.
335. Overall length, 3″. **NET**.....32c
336. Overall length, 6″. **NET**......38¢
390. Bearing only. **NET**.......9¢

F. JOHNSON FLEXIBLE SHAFTS

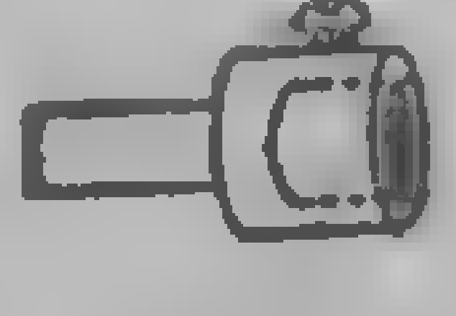


sting phosphor-
flexible shafts
″ hubs. Ideal for
ing out-of-line shafts together. Handy
ry for Amateurs, experimenters, labs,
mit up to 90 degrees angular control.
t., 2 oz.
290. 115-253. Length, 3″. **NET**..50c
291. 115-254. Length, 6″. **NET**....75¢



Coupling

SHAFT FITTINGS



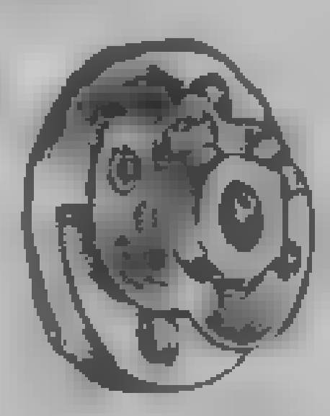
Extender

ngs for extending shafts of volume con-
witches, capacitors, etc., or for ganging
nits, even when shafts are not of the
iameter. Available in insulated and non-
ed types. Insulated types are made of
phenolic. Extenders for decreasing or
ing shaft diameter and for extending
length. 60 H 366 has ⅜″ opening, ¼″
Shaft length on all extenders, ⅝″; overall
1⅛″. Av. shpg. wt., 4 oz.

ass	Insulated	Type	Size
360	60 H 350	Coupling	¼ to ¼″
361	....	Coupling	⅜ to ⅜″
362	60 H 352	Coupling	¼ to ⅜″
365	60 H 355	Extender	¼ to ¼″
366	....	Extender	⅜ to ¼″

EACH..............................18c

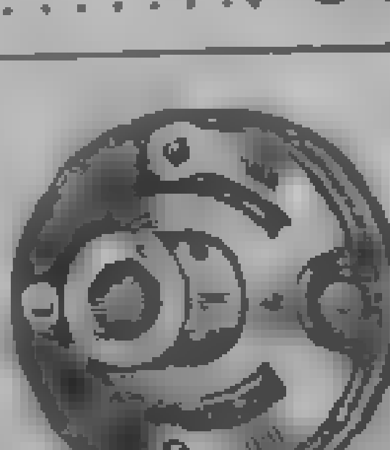
HAMMARLUND COUPLINGS



FC-46S. Sturdy, slip-
insulated coupling. Excel-
for providing flexible link-
etween angularly misaligned
Maximum torque is lim-
only by holding power of
4 set screws (2 on each side).
se on all standard ¼″-diameter shafts.
clearance, $\frac{5}{32}$″. Flash voltage, 6000 v.
1¼x$1\frac{3}{16}$″. Shpg. wt., 3 oz.
H 496. NET..........................1.00

FNC-46S. As above, but non-insulated
Durable, heavy-duty construction. Main-
firm, slip-proof grip. Has flexible arms
compensate for shaft misalignment.
el-plated brass ring. 1¼″ diameter x $\frac{23}{32}$″.
wt., 3 oz.
497. NET..........................75c

NSULATED COUPLING



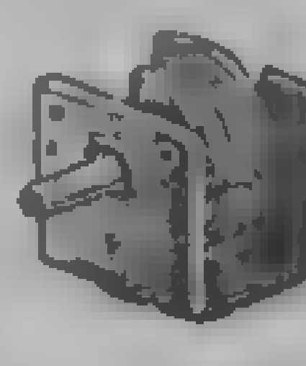
coupling drive shafts to ca-
tors, gang switches, controls
other components. Bakelite
ation. Hubs drilled to fit
shafts; set-screws hold rigid-
Shpg. wt., 2 oz.
H 395. NET..........................53c

RECEIVER-TYPE VARIABLE CAPACITORS

MIDGET SUPERHET AND TRF TYPES

Midget Superhet. Miniature size without sacrifice of performance makes these 2-gang variables perfect for portable and midget sets. Capacity: RF section, 14.5 to 368 mmf, 27 plates; osc. section, 11.6 to 136.6 mmf, 15 plates. Capacity increases with counter-clockwise rotation. For use with 455 kc IF. With trimmers. Size, $1\frac{11}{16}$x1½x$1\frac{5}{16}$″. ¼″ diameter shaft extends 1″ beyond frame. Ball-bearing mounted shaft. Shpg. wt., 6 oz.
61 H 008. NET..........................1.05

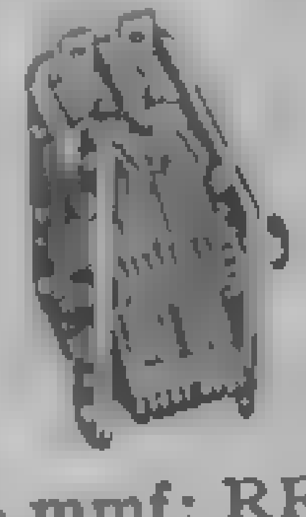
Miniature Superhet. RF section is 10.8 mmf to 232.4 mmf. Oscillator section is 8.5 mmf to 106.3 mmf. $1\frac{5}{16}$x1¾x$1\frac{5}{16}$″. 5 oz.
61 H 011. NET..........................95c



Midget TRF. Compact, 33-plate, single-gang capacitor. Variable from 15 to 409 mmf. Capacity increases clockwise. Size: $1\frac{5}{16}$″ deep, 1⅜″ wide, $1\frac{5}{16}$″ high. ¼″ diameter shaft extends ¾″ beyond capacitor frame. Shpg. wt., 5 oz.
61 H 009. NET..........................76c

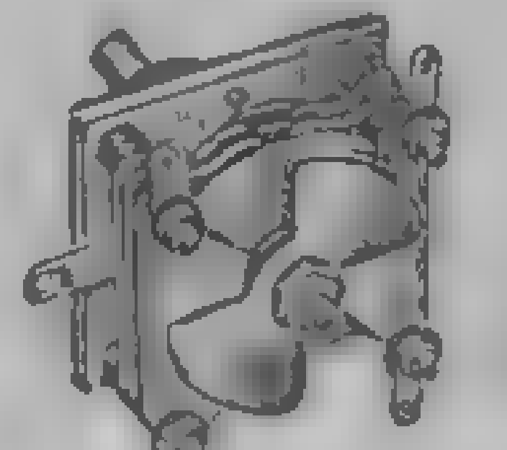
TRANSISTOR VARIABLE CAPACITORS

Midget Superhet. Compact, variable, two-section capacitor designed for use with broadcast band transistor receivers. Ideal for small table models and portables. Counter-clockwise rotation for capacity increase. Each section includes a trimmer for precise adjustment. Oscillator section designed for 455-kc IF. Oscillator capacity: 7.2 to 66 mmf. Antenna section capacity: 7.5 to 81 mmf. Shaft diameter ¼″. Size: 1⅜x$1\frac{5}{16}$x$\frac{15}{16}$″. Wt., 4 oz.
61 H 012. NET..........................1.00



Miniature Superhet. Two section, variable capacitor designed particularly for the special needs of miniature transistor receivers. Although small in size, accuracy and precision are not sacrificed. Complete with trimmers. ¼″ shaft has ball-bearing mount. Capacity ranges: Oscillator section, 6.1 to 73.4 mmf; RF section, 7.0 to 123.1 mmf. Size: 1⅞x1⅝x¾″. Shpg. wt., 2 oz.
61 H 013. NET..........................1.04

CARDWELL CAPACITORS



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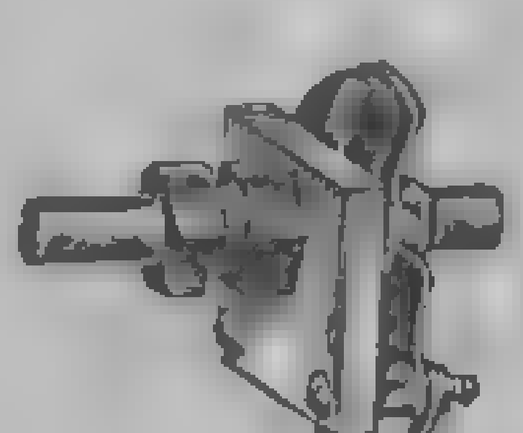


B

VHF BUTTERFLY CAPACITORS

A 90° capacitors with butterfly rotor plates. Electrical symmetry; low inductance; no moving contacts. Isolantite insulation. Removable plates. Air gap, .030″. Shpg. wt., 10 oz.

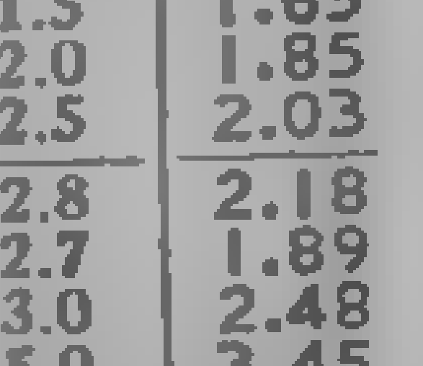
Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
75 H 001	PL-6076	5	1.5	2.07
75 H 002	PL-6077	7	2.0	2.32
75 H 003	PL-6078	13	3.0	2.64

"TRIM-AIR" MIDGETS

B Universal mounting. Isolantite insulation. Shaft has rear extension for ganging; except*. †Air gap, .02″; others .03″. Shpg. wt., 7 oz.

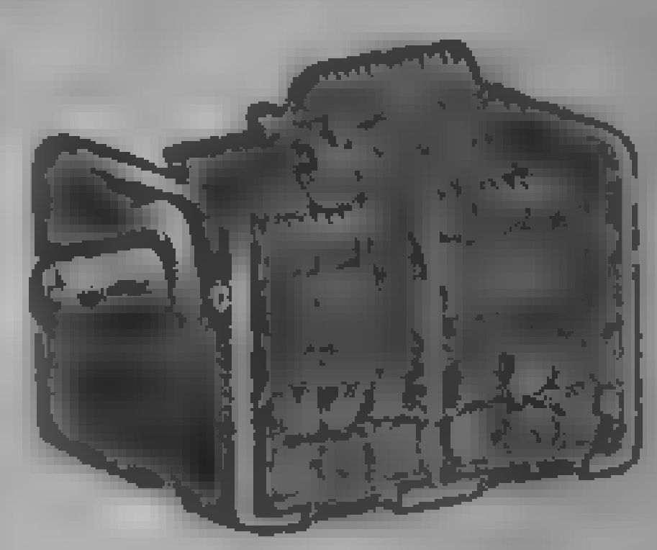
Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
75 H 010	PL-6000	10	1.2	1.35
75 H 011	PL-6001	15	1.5	1.65
75 H 012	PL-6002	25	2.0	1.85
75 H 013	PL-6003	35	2.5	2.03
75 H 014	PL-6004	50	2.8	2.18
75 H 015	PL-6016†	75	2.7	1.89
75 H 016	PL-6017†	100	3.0	2.48
75 H 017	PL-6018†*	140	5.0	3.45

BUD MIDGET TRIMMERS



Type MT-833. For antenna coupling, interstage coupling and receiver tracking applications. Has screw adjustment. Max. cap., 36 mmf; min. cap., 3 mmf. Shpg. wt., 4 oz.
60 H 335. NET..........................15c

SUPERHET CAPACITOR AND MATCHING COILS

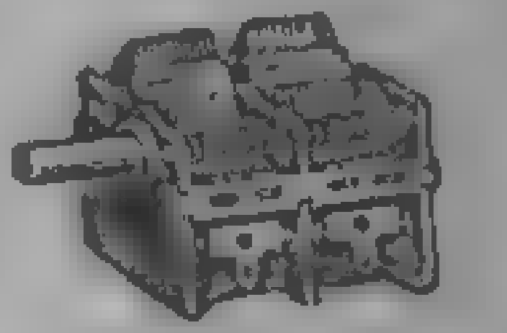


Two-Section Superhet Variable. 19-plate oscillator section with 172.6 max.—10.6 min. mmf; has one 2-17 mmf trimmer. 27-plate RF section with 434 max.-14.5 min. mmf; has one 2-17 mmf trimmer. Provides 455 kc frequency difference in combination with oscillator coil and loop antenna, below. Capacity increases in counter-clockwise direction. 1⅝x$1\frac{15}{16}$x$2\frac{5}{16}$″. Shaft, ¼″ diameter. ¾″ long. Shpg. wt., 10 oz.
61 H 065. NET..........................1.06

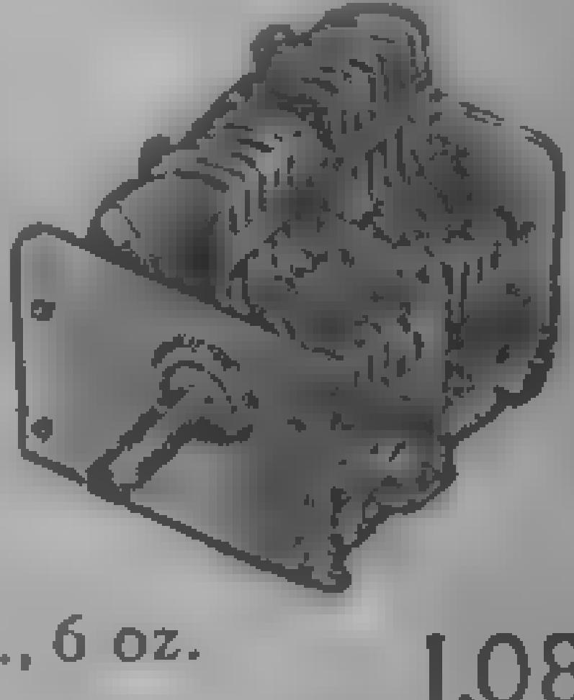
Oscillator Coil for Above. Shpg. wt., 4 oz.
55 H 507. NET..........................36¢

Loop Antenna for Above. Shpg. wt., 8 oz.
51 C 040. NET..........................53¢

TRF TYPE CAPACITORS



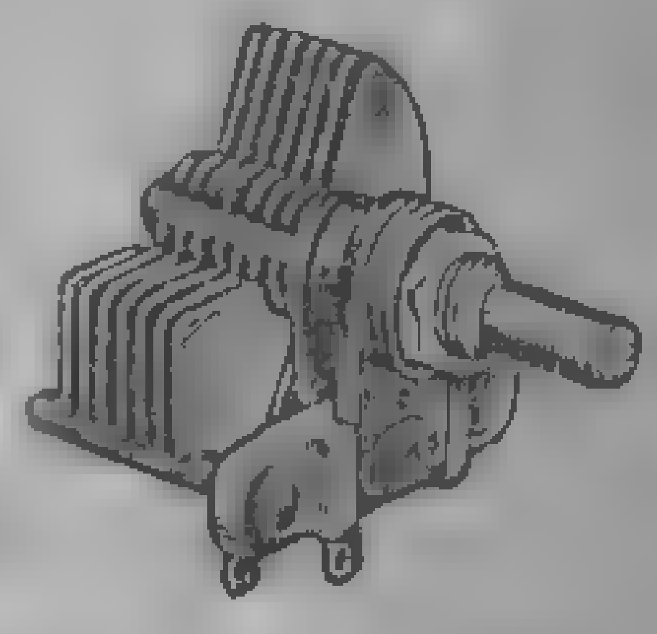
2-Gang. For use in superhets without RF stage or in 2-stage TRF receivers. Each section has 29 plates. Range of 15.5 to 467.8 mmf, each section. Counter-clockwise rotation increases capacity. With trimmers for each section. End plates slotted to permit easy tracking adjustments. Spring brass wipers. Requires series padder for oscillator use. Has ⅜″ diameter shaft. Use with shaft extender No. 60 H 366 (listed in the left-hand column) for conversion to ¼″ shaft. See coil and I. F. transformer section for coils. Size: 1⅝x$1\frac{11}{16}$x$2\frac{5}{16}$″. Shpg. wt., 10 oz.
61 H 059. NET..........................1.11



2- and 3-Gang Capacitors. Compact TRF variable capacitors. Have trimmers on side of frame. Outer rotor plates are slotted for tracking adjustment. Tapped holes in frame provide secure mounting. Range: 12 to 367 mmf. Shaft diameter, ⅜″. Size of 2-gang: $2\frac{1}{16}$x$1\frac{11}{16}$x1⅝″. Size of 3-gang: $3\frac{5}{16}$x$1\frac{11}{16}$x1⅝″. Av. shpg. wt., 6 oz.
60 H 725. 2-gang. NET..........................1.08
60 H 726. 3-gang. NET..........................1.66

BUD VARIABLE CAPACITORS

"MC" MIDGETS



Sturdy, highly efficient midget variables. Single and double-bearing types; *double. Fit ⅜″ dia. mounting hole. Cadmium-plated brass rotor and stator plates. Steatite insulation. .024″ airgap. Shpg. wt., 7 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
61 H 142	1850*	15	3	3	1.78
61 H 143	1852*	33	4	5	1.84
61 H 144	1853*	50	5	7	2.43
61 H 145	1855*	100	7	14	2.65
61 H 146	1856*	140	7	19	2.72
61 H 147	1858*	190	9	27	2.94
61 H 148	1859*	235	10	33	3.38
61 H 149	1860*	300	12	43	3.67
61 H 150	1870	15	3	3	1.76
61 H 151	1872	33	4	5	1.84
61 H 152	1873	50	5	7	1.91
61 H 154	1875	100	7	14	2.06
61 H 155	1876	140	8	19	2.35

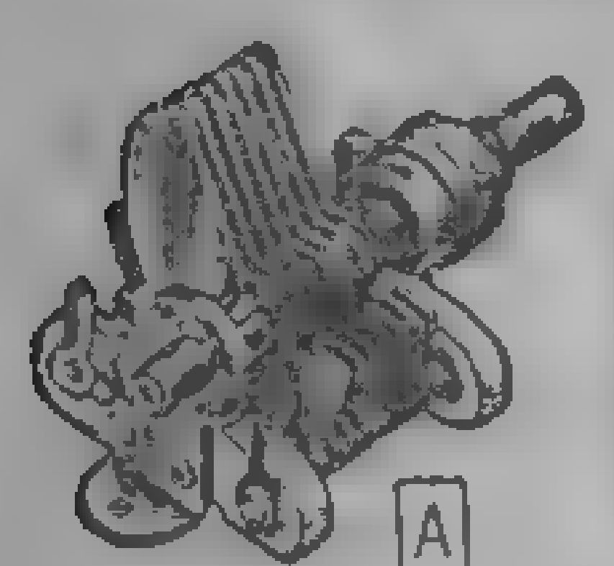
NEW TINY MITE 3-GANG CAPACITORS

Compact, 3-gang capacitors useful for Hams, radio constructors and experimenters. Designed particularly for high frequency use, these capacitors are ideal for use in converters, preselectors and receivers covering the Amateur, TV and FM bands. Soldered brass plates and ceramic brackets 4¼″ long. Rotor shaft extend ¼″ at the rear. All metal parts are cadmium plated. Av. shpg. wt., ¼ lb.

Stock No.	Mfr's Type	Mmf/Section		Plates/ Section	NET EACH
		Max.	Min.		
61 H 156	LC-1845	11	5	5	5.14
61 H 157	LC-1846	17	5	7	5.73
61 H 158	LC-1847	25	6	9	6.11

Variable Capacitors

HAMMARLUND CAPACITORS FOR AMATEUR, INDUSTRIAL AND MILITARY USE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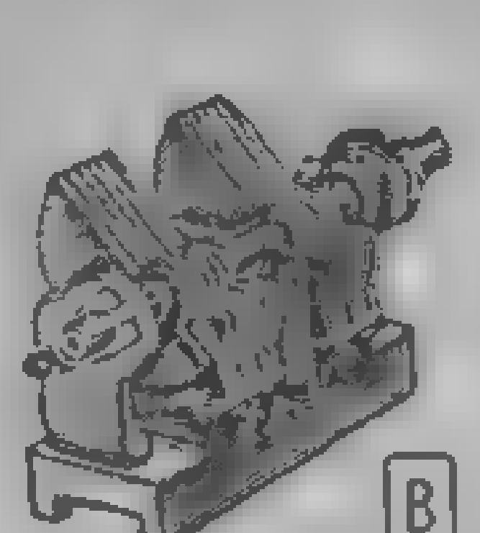
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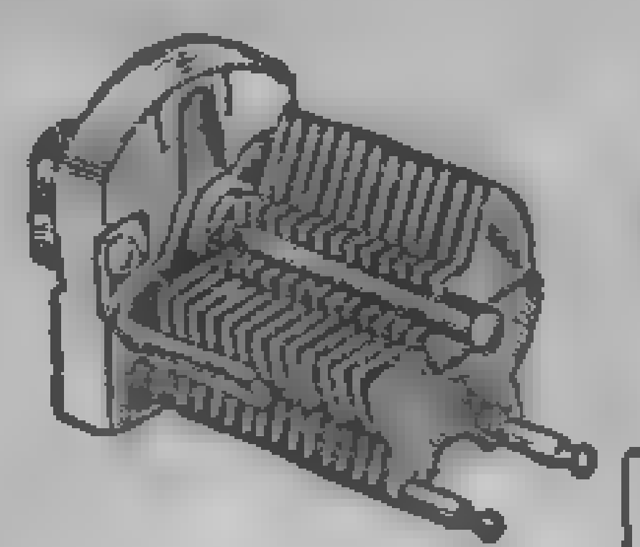
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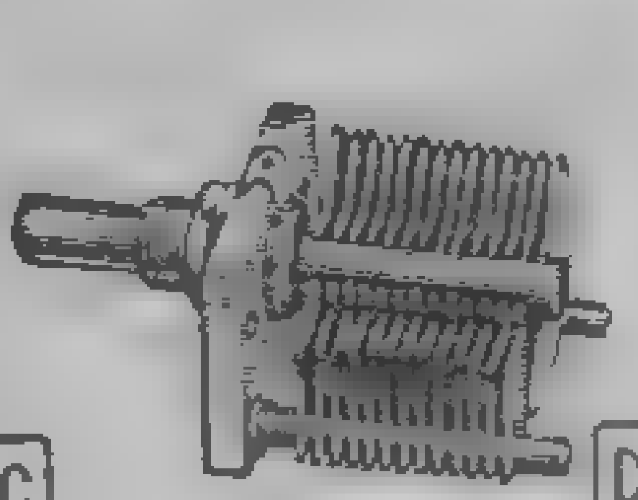
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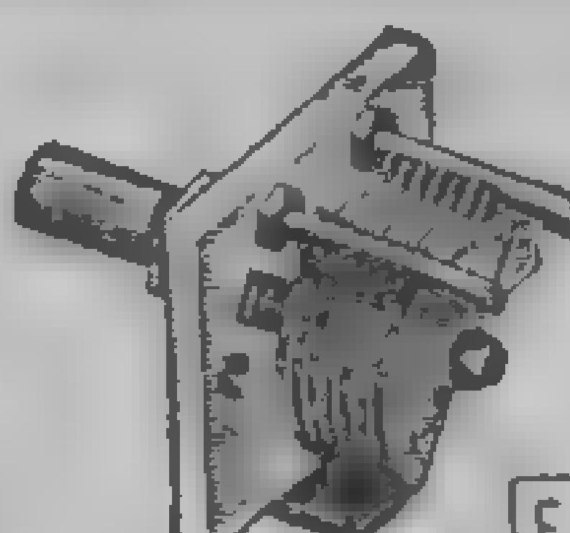
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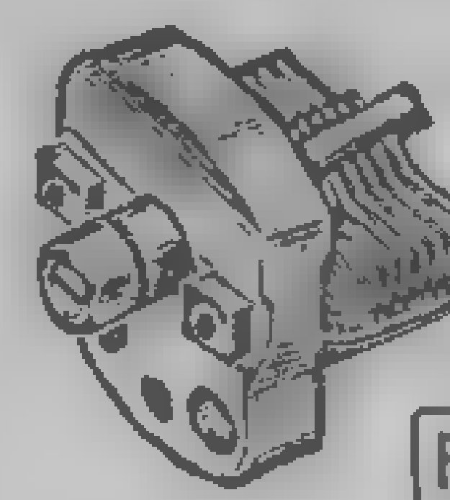
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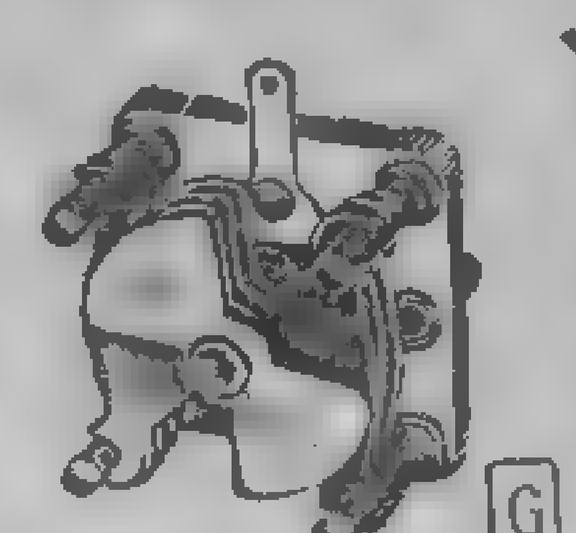

G

TYPE MC

A Siliconized steatite base, nickel-plated brass plates. Panel or chassis mtg. *Straight-line capacity characteristic; others have mid-line characteristic. Air gap: M and S types, .0245"; MX and SX types, .0715". Tested at 1000 v. and 1750 v. (60 cycle rms) respectively. Capacity increases with clockwise rotation. All have rotor stop. Size: S type, 3/4x1 11/16"; M type, 2 3/32x1 5/16". Shpg. wt., 10 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 H 425	*MC-20-S	20	5.5	1.78
72 H 426	*MC-35-S	35	6.0	1.84
72 H 427	*MC-50-S	50	6.5	2.43
72 H 428	MC-50-M	50	6.3	2.43
72 H 429	*MC-75-S	80	8.0	2.49
72 H 430	MC-75-M	80	7.3	2.49
72 H 431	*MC-100-S	100	8.3	2.65
72 H 432	MC-100-M	100	7.7	2.65
72 H 433	MC-140-M	140	9.0	2.72
72 H 434	*MC-140-S	140	10.0	2.72
72 H 435	MC-200-M	200	10.3	2.94
72 H 436	MC-250-M	250	12.0	3.38
72 H 437	MC-325-M	320	13.5	3.67

DOUBLE-SPACED MC's

72 H 451	*MC-20-SX	20	6.8	2.43
72 H 452	*MC-35-SX	32	8.5	2.49
72 H 453	MC-35-MX	32	7.8	2.49
72 H 454	*MC-50-SX	53	11.5	2.65
72 H 455	MC-50-MX	53	10.5	2.65
72 H 456	*MC-100-SX	100	16.5	2.94

TYPE MCD DUALS

B Panel-mount. Steatite base; nickel-plated brass plates. Tested at 1000 v. *Straight-line characteristic; others mid-line characteristic. Type M, 1 11/16x2 3/32"; Type S, 1 5/8x2 1/8". Shpg. wt., 11 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 H 465	MCD-50-M	50	5.5	4.44
72 H 466	MCD-100-M	100	6.3	4.89
72 H 467	*MCD-100-S	100	7.0	4.89
72 H 468	MCD-140-M	140	7.8	5.28

DOUBLE-SPACED DUALS

72 H 469	MCD-35-MX	31	6.0	4.62
72 H 470	*MCD-35-SX	31	6.8	4.62

TYPE MAPC

C Midget padding, trimming and general-purpose capacitors. Similar to APC, but smaller. Ideal for small space applications. Gap, .0135". Rotors and stators are nickel-plated brass. Nickel-plated beryllium copper wiper contact. Tapped (4-40 thread) brass studs in steatite base permit mounting without grounding rotor. Tested at 600 volts rms, 60 cps. Overall size: 25/32" wide, 15/16" high. All units listed below have slotted shafts. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 H 208	MAPC-15	15	2.3	1.10
72 H 209	MAPC-25	25	2.6	1.15
72 H 210	MAPC-35	35	2.9	1.20
72 H 211	MAPC-50	50	3.2	1.30
72 H 212	MAPC-75	75	3.9	1.45
72 H 213	MAPC-100	100	4.5	1.65

TYPE HFA

D Sturdy capacitors, similar to HF, but larger plates and wider air gaps. For general-purpose and transmitting applications. Single-hole panel mounting. Also bracket for base mounting. End letter A in type no. denotes .02" air gap, B—.03", E—.07"; 800, 1200 and 1750 test volts respectively. 1 19/64x1 7/32". Wt. 1 lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 H 224	HFA-10B	9	2.3	2.10
72 H 225	HFA-15B	16	2.8	2.20
72 H 229	HFA-15E	16	4.0	2.50
72 H 226	HFA-25B	25	3.0	2.30
72 H 227	HFA-50B	50	4.3	2.50
72 H 228	HFA-100B	100	7.5	3.30
72 H 222	HFA-100A	102	4.5	2.60
72 H 223	HFA-140A	145	6.0	3.10

TYPE MAC

(Not illustrated.) Extremely small variable capacitors. Excellent for use as VHF trimmers. Steatite base; only 3/4x5/8". Screwdriver adjustment. Have threaded sleeve for convenient panel mounting. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 H 255	MAC-5	5.0	1.4	1.00
72 H 256	MAC-10	8.7	1.7	1.05
72 H 257	MAC-15	14.2	2.2	1.20
72 H 258	MAC-20	19.6	2.7	1.35

TYPE HF

E Ideal for critical high-frequency cir. Isolantite insulation. *Double-spaced HF: 1 9/32x1 5/16"; HFD: 1 1/2x1". Shpg. wt.,

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NE EA
72 H 215	HF-15	17.5	2.8	1.
72 H 216	HF-35	36	3.2	1.
72 H 217	HF-50	52	3.7	1.
72 H 218	HF-100	102	5.3	2.
72 H 219	HF-140	142	6.3	2.
72 H 220	*HF-15-X	15	3.6	1.
72 H 221	*HF-30-X	30	5.2	1.

HFD SPLIT-STATOR

72 H 230	HFD-50	52	3.6	4.
72 H 231	HFD-100	102	5.0	4.
72 H 232	HFD-140	142	6.0	5.
72 H 233	*HFD-15-X	16	3.8	4.
72 H 234	*HFD-30-X	28.5	5.0	4.

TYPE APC

F Isolantite base. Screwdriver or hex-wre adjust. 1 7/32x1 5/16". Wt., 4 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	N EA
72 H 250	APC-25	25	3.0	1
72 H 251	APC-50	50	3.9	1.
72 H 252	APC-75	75	4.6	1
72 H 253	APC-100	100	5.5	1.
72 H 254	APC-140	140	6.7	2

BFC BUTTERFLY TYPES

G Straight-line capacity type; 90° minir to maximum. Spacing .03". Tested at v. rms., 60 cycles between rotor and each s Tapped (6-32 thread) studs in steatite permit mounting capacitor without grour the rotor. Silver contact. 1 3/8x1 3/8". Wt. 1

Stock No.	Type	Max.	Min.	NE
72 H 262	BFC-12	14.5	3.4	1.
72 H 263	BFC-25	27.3	4.8	2.
72 H 264	BFC-38	40.1	6.2	2.

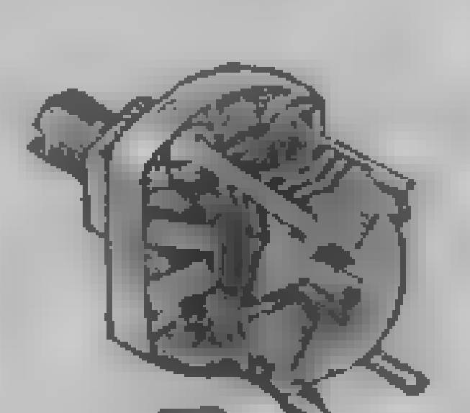
NEUTRALIZING CAPACITOR

H **Type NZ-10.** Rated, 3000 v. AC peak. adjustment. Capacity, 2.3-10 mmf. 1 11/16x2 15/16". Shpg. wt., 1 lb.
72 H 249. NET.............................5.

E. F. JOHNSON CAPACITORS

J

K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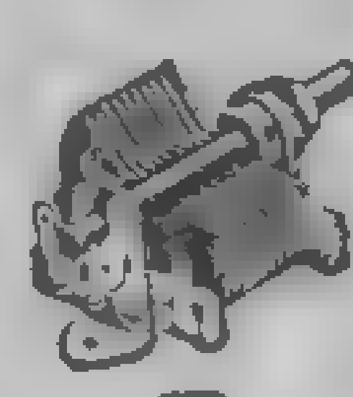
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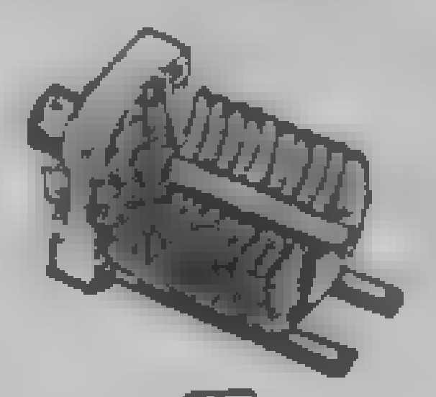
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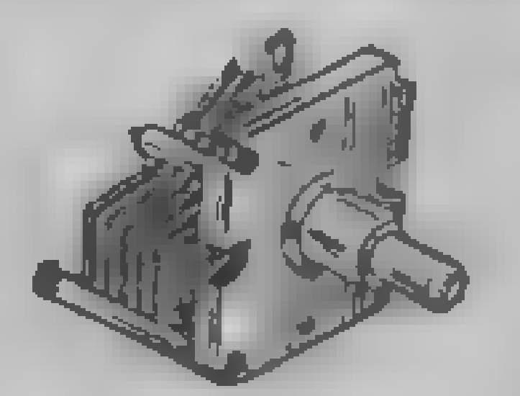
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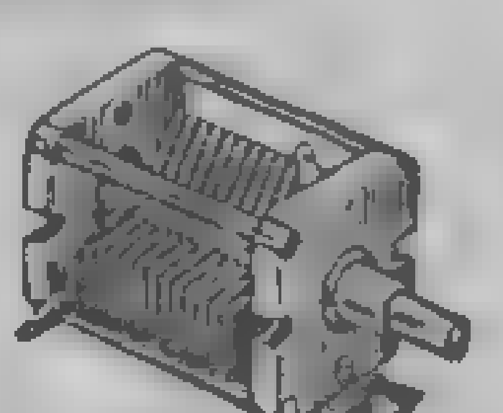
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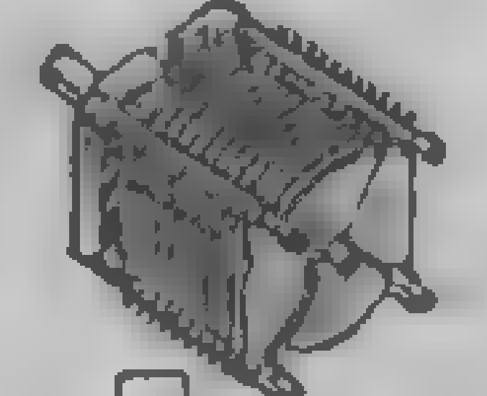
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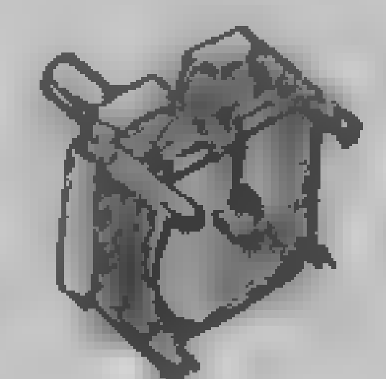
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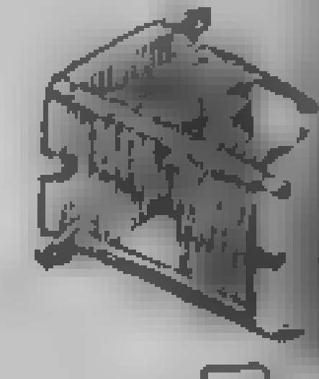

W

TYPE "M" MINIATURE VARIABLES

Excellent for design of compact VHF and UHF equipment. Bridge-type stator terminal provides low inductance; oversize bearing, heavily anchored stator supports insure rigidity. 3/4x5/8" panel mtg. space, 1/4" hole. Slotted shaft takes 5/16" knob. 1250 volts approximate peak break-down. Low-loss steatite insulation. Nickel-plated. Av. shpg. wt., 2 oz.

J SINGLE

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 H 175	5M11	5.0	1.5	5	1.00
75 H 176	9M11	8.7	1.8	9	1.05
75 H 177	15M11	14.2	2.3	15	1.20
75 H 178	20M11	19.6	2.7	21	1.35
75 H 900	30M8	32	3	28	1.40

K BUTTERFLY

75 H 179	3MB11	3.1	1.5	5	1.40
75 H 180	5MB11	5.1	1.8	9	1.60
75 H 181	9MB11	8.0	2.2	16	1.80
75 H 182	11MB11	10.8	2.7	22	2.00

L DIFFERENTIAL

75 H 901	6MA11	5.0	1.5	5	1.45
75 H 902	9MA11	8.7	1.8	9	1.65
75 H 903	15MA11	14.2	2.3	15	1.85
75 H 904	19MA11	19.6	2.7	21	2.10

TYPE "R" VARIABLES

M For transmitting and receiving. Feature extra heavy steatite stator support insulators. Corrosion resistant, nickel-plated parts. Double bearing construction. Plate spacing .024". 1 11/16" high and 1 5/8" wide. Bearing threaded 3/8"-32 for panel mounting. Shaft diameter, 1/4". Av shpg. wt., 1 lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EA.
75 H 053	20R12	20	5	3	2.25
75 H 054	35R12	35	6	5	2.35
75 H 055	50R12	50	6.5	7	2.45
75 H 056	75R12	80	8	11	2.60
75 H 057	100R12	102	8.5	14	2.75
75 H 058	140R12	140	13.5	19	2.95

TYPE "S" VARIABLES

N Ideal for use in VFO's, receivers, and transmitter tuning circuits. Steatite end frame, nickel-plated brass plates. Plate spacing, .013". 2—mtg. studs tapped 4-40 on 17/32" centers. 31/32x35/32" panel space. 1/8" hex shaft. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 H 905	15S8	15	2.3	6	1.10
75 H 906	25S8	25	2.6	10	1.15
75 H 907	35S8	35	2.9	14	1.20
75 H 908	50S8	5[illegible]	3.2	19	1.30
75 H 909	75S8	75	3.9	29	1.45
75 H 910	100S8	100	4.5	38	1.65

TYPE "L" VARIABLES

Top-quality, general purpose capacitors. S tite end frames. Plate spacing, .030", bea threaded 3/8"-32. Shaft diameters, 1/4". 1 5/8x panel space. Av. shpg. wt., 1 lb.

P SINGLE SECTION—ONE END PLA

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	E
75 H 911	10L15	11	2.8	3	
75 H 912	25L15	27	3.5	7	
75 H 913	50L15	51	4.6	13	
75 H 914	75L15	75	5.7	19	

R SINGLE SECTION—TWO END PLA

75 H 918	100L15	99	6.8	25	
75 H 919	200L15	202	11.6	51	

S BUTTERFLY

75 H 923	10LB15	10.5	2.8	5	
75 H 927	25LB15	26	4.3	12	
75 H 928	50LB15	51	6.8	23	

T DIFFERENTIAL

75 H 929	10LA15	11	2.8	3	
75 H 930	25LA15	27	3.5	7	
75 H 931	50LA15	51	4.6	13	

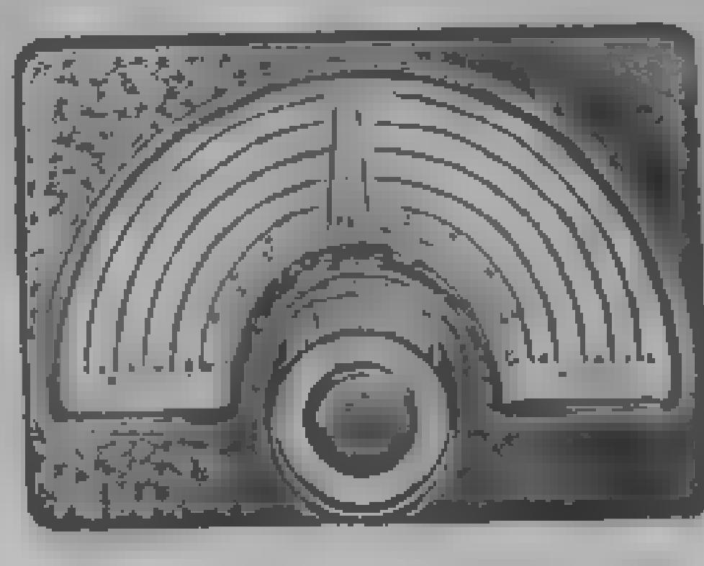
W DUAL SECTION

75 H 932	25LD15	27	5.0	7	
75 H 943	50LD15	51	6.5	13	
75 H 944	100LD15	99	9.8	25	

National Components, Antenna Insulators

CALIBRATED AND UNCALIBRATED DIALS

ACN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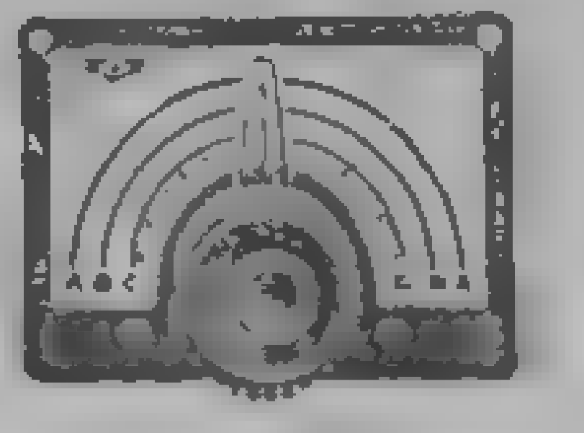

MCN

ERNIER DIALS FOR INDIVIDUAL CALIBRATION

blank dials featuring famous "Velvet Vernier" with 5:1 drive ointers have centered hairlines and pinholes for accurate cali- of each scale. Black-wrinkle finish, clear-view plastic windows. tra scales, hardware, and hub for ¼" shafts.

CN. The famous original of this type with smart styling. Large- r dial for easy direct calibration of 5 blank scales. Knob has ome insert. 5" high, 7¼" wide. Shpg. wt., 1¼ lbs.
. NET 7.04

CN. Vernier dial same as above but intermediate in size. 4¹⁄₁₆" wide. Ideal for use where space is limited. Shpg. wt., 1 lb.
3. NET 6.47

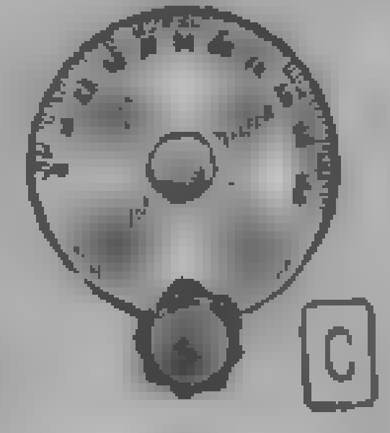
CN. Similar to above but has large, illuminated vernier dial, 5⅜" wide. Lights in upper corners. With standard bayonet sockets ting screws. Less lamps. Shpg. wt., 1¼ lbs.
7. NET 6.90

CN. Small size vernier dial. Similar to above but not illumi- high, 3⅞" wide. Perfect for mobile gear and other small units. ales. Mechanism extends ¼" below frame. 10 oz.
9. NET 3.99

N Vernier Dial Drive Mechanism. (Not illus.) Smooth operat- rive with 5 to 1 ratio. Same as used in above dial assemblies. drive shaft and output hub for coupling to ¼" shafts. 2¹³⁄₁₆" di- 1¹³⁄₁₆" overall. Shpg. wt., 12 oz.
4. NET 3.02

A

B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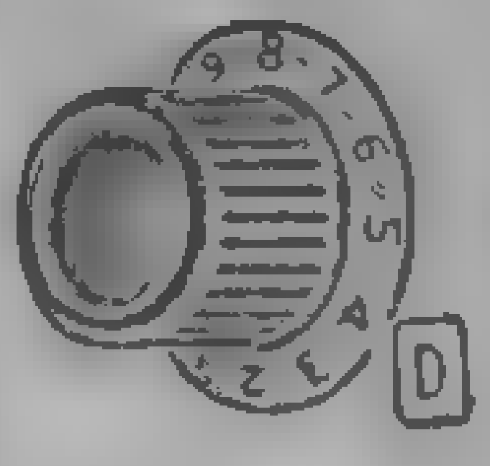

D

E

CALIBRATED DIALS

Famous National dials for smooth performance and dependability. Recommended for all types of equipment. We can supply any National dial promptly—specify type number for models not listed. †Gray. §Black.

Stock No.	Mfr's Type	Fig.	Ratio	Scale	Dia.	Wt., Oz.	NET EACH
71 H 072	AM-2	....	5:1	0-100; 180°	3"	10	3.93
71 H 073	AM-3	....	5:1	100-0; 180°	3"	10	3.93
71 H 076	AM-4	....	5:1	150-0; 270°	3"	10	4.31
71 H 077	AM-5	....	5:1	200-0; 360°	3"	10	3.93
71 H 078	AM-6	....	5:1	0-150; 270°	3"	10	4.41
71 H 067	BM-1	A	Fixed	0-100-0; 180°	3"	10	4.88
71 H 068	BM-2	A	Fixed	0-100; 180°	3"	10	4.64
71 H 069	BM-5	A	Fixed	200-0; 360°	3"	10	4.64
71 H 063	N-5	....	5:1	200-0; 360°	4"	12	6.41
71 H 091	K	C	....	0-100; 180°	3½"	12	1.73
71 H 058	HRS-3§	D	Fixed	0-10; 300°	1⁷⁄₁₆"	2	.58
71 H 059	HRS-3†	D	Fixed	0-10; 300°	1⁷⁄₁₆"	2	.58
71 H 218	HRS-4§	D	Fixed	1-line; 300°	1⁷⁄₁₆"	2	.58
71 H 219	HRS-4†	D	Fixed	1-line; 300°	1⁷⁄₁₆"	2	.58
71 H 082	O	B	....	0-100; 180°	3½"	4	2.85
71 H 070	R	E	Fixed	0-10; 180°	1⅝"	2	.69

Type ODD Pinch Drive Mechanism. For Type O dial above. Same as used on "K" dial (Fig. C). With knob. 1⅛x⅝". Shpg. wt., 2 oz.
71 H 085. NET 48c

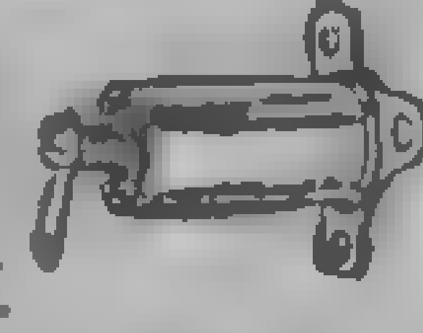
B **Type NPW-O Precision Gear Drive.** Ruggedly constructed, gear-driven, precision dial mechanism featuring accuracy to one part in 500. Offers smooth control and high reset accuracy. Dial finished in black with white numerals. Diameter, 4½". Shpg. wt., 3 lbs.
71 H 083. NET 20.45

NT-PANEL RIGHT-ANGLE DRIVE

RAD. panel con- variable tors, po- eters, right an- to panel. space by permitting greater n in parts layout. May be drive two units. Die cast aluminum and gears. 2½x¼" shaft. 6 oz.
14. NET 4.31

PRAD. As above, but deluxe precision ith brass gears, stainless steel shafts ings, bronze bearings and a die cast ing. Gears are protected by removable cover. Backlash less than 1½%. ¼" 2½" long. Shpg. wt., 3 oz.
247. NET 11.31

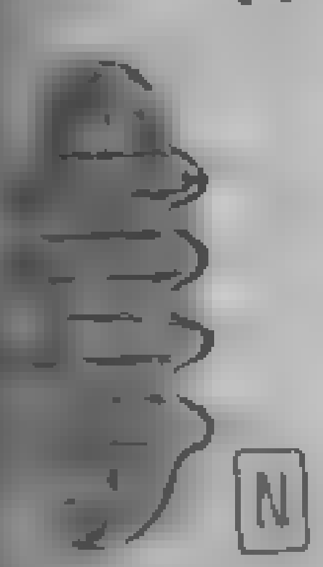
STANDOFF INSULATORS



insulators for RF cir- ap and base are nickel brass. Glazed to prevent bsorption of moisture. Base erminal assembly are remov- to form single-screw pillar . Three mounting holes, spaced 120° ac- -32 machine screws. Shpg. wt., 3 oz.

.	Type	Ht.	Dia.	NET
125	GS-1	1⁷⁄₁₆"	½"	27¢
126	GS-2	2¹⁵⁄₁₆"	½"	35¢
127	GS-3	2¹⁵⁄₁₆"	¾"	69¢

ANTENNA INSULATORS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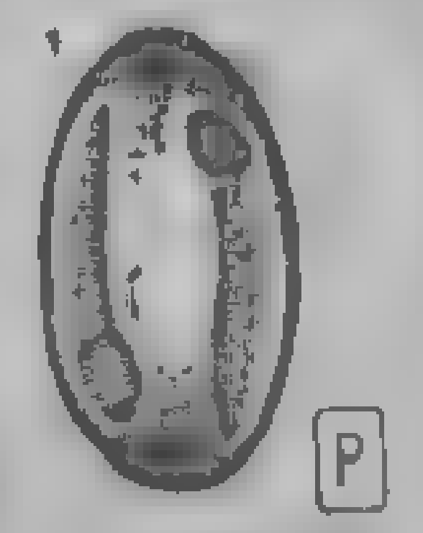
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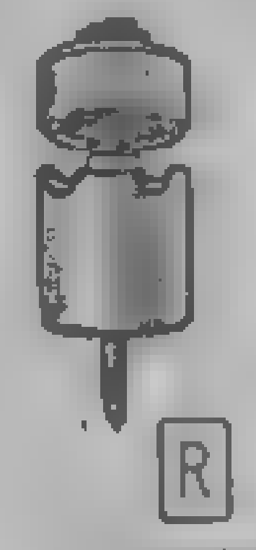
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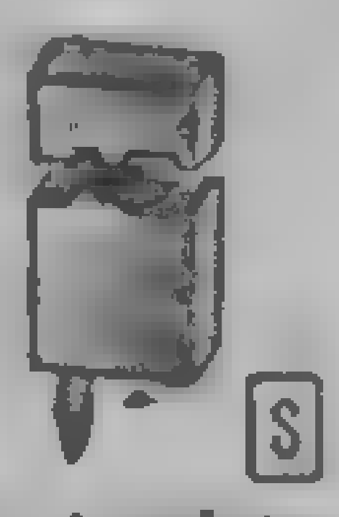

S

1 C 223. Glazed porcelain insulator. bed construction provides long leakage 2½" long. Shpg. wt., 2 oz. **4 per pkg.**
PER PKG. 21c

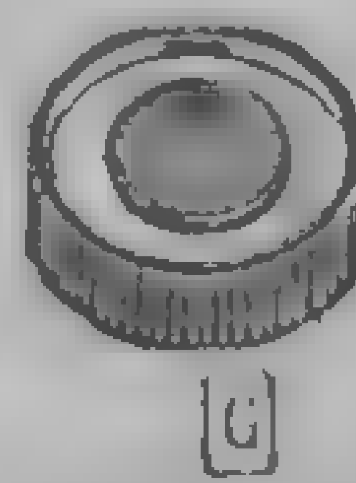
1 C 224. White porcelain strain insula- , 1¾x⅞" dia. Breaks up guy lines into onant lengths. Wt., 2 oz. **4 per pkg.**
PER PKG. 29c

1 C 225. Standard nail knob for single ads or 1" open lines. 1¾x1⅛" dia. Shpg. oz. **4 per pkg.**
PER PKG. 19c

51 C 226. Porcelain insulator for 300-ohm twin-lead. Nail knob construction for easy ation. Shpg. wt., 5 oz. **4 per pkg.**
PER PKG. 27c

EQUIPMENT DESIGN COMPONENTS

F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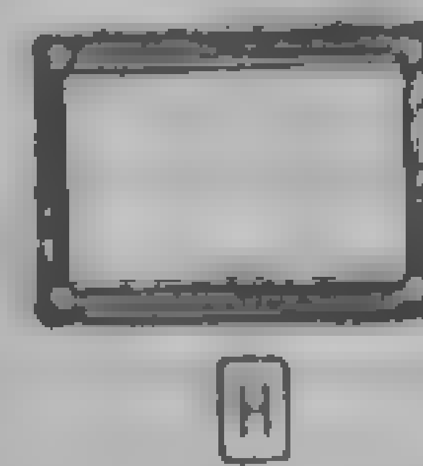
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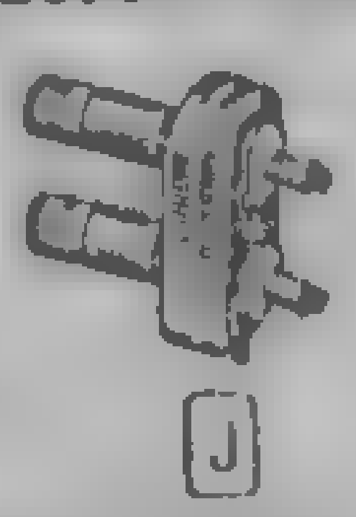

J

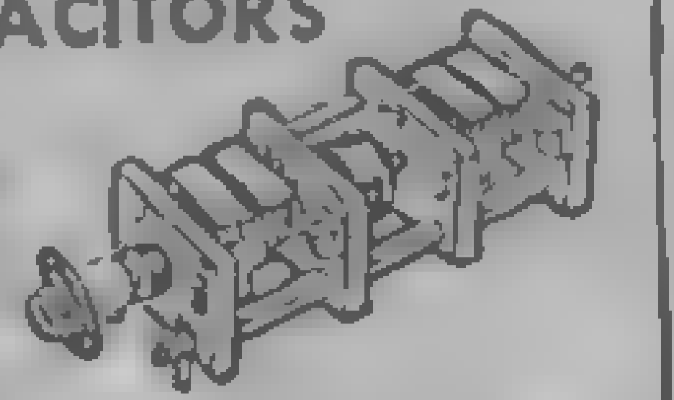
K

L

M

Stock No.	Type	Fig.	Description	Wt. Oz.,	NET
71 H 173	FWH	J	Terminal Jack Assembly—Binding Post. ...	4	1.10
71 H 176	FWJ	....	Jack Assembly—As FWH, for jacks only....	4	.87
71 H 157	FWT	...	Plug for FWH and FWJ terminal strips.	3	1.56
71 H 208	HR	F	Knob, Black; white dot......	2	.35
71 H 209	HR	F	Knob, Gray; same as above......	2	.35
71 H 071	HRP P	..	Bar knob with pointer. 1¼x½"........	3	.28
71 H 056	HRT	G	Knob, Black; chrome insert. 2⅛" dia........	3	.86
71 H 057	HRT	G	Knob, Gray; chrome insert. As above........	3	.86
71 H 242	CFA	H	Chart frame; ¹⁄₁₆" steel; 2¼x3¼"........	6	.40
71 H 116	TPB	K	Threaded Polystyrene Bushing........	2	.07
71 H 228	XR-50	L	Coil Form, iron-slug tuned. Mica-bakelite...	2	1.04
71 H 229	XR-60	M	Coil Form, iron-slug tuned. Ceramic........	2	1.32
71 H 241	XR-62	M	Coil Form, iron-slug tuned. Ceramic........	2	1.32
71 H 239	XR-91	M	Coil Form, iron-slug tuned. Ceramic........	2	.87
71 H 122	XS-6	....	Steatite Bushing........	2	.14

VARIABLE CAPACITORS



Type VHF-2S. High capacity, chassis-mounting dual split-stator capacitor for general coverage. Has shaft extension at rear for ganging, ball bearings front and back, brackets for mounting 2—7-pin miniature tube sockets, and wide, low-inductance stator-strap connections to raise frequency limits. Coil or tank can be connected to straps. Each split-stator section has a maximum capacity of 22.5, minimum of 3.0 mmf. Airgap: 0.016". Shpg. wt., 2 lbs.
72 H 596. NET 23.07

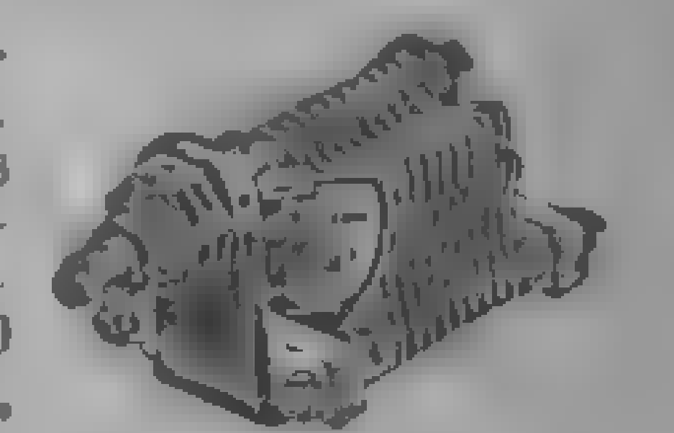
Type VHF-1S (Not illustrated). Single section version of Type VHF-2S above. Same rigid construction—and same maximum and minimum capacity. Shpg. wt., 1 lb.
72 H 597. NET 13.08

UM MINIATURE CAPACITORS

180° rotation. Straight-line-capacity plates. .017" air gap, 600 v. peak. ¼" dia. shafts; protrude for ganging. Low minimum capacity. Ceramic base for 4-hole mounting or single ⅝" hole. 1x2¼x2⁵⁄₁₆". Shpg. wt., 5 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
71 H 275	UM-15	15	1.5	1.17
71 H 276	UM-35	35	2.5	1.32
71 H 277	UM-50	50	3	1.43
71 H 278	UM-75	75	3.5	1.67
71 H 279	UM-100	100	4.5	1.84

ST TRANSMITTING CAPACITORS



Compact, rigid construction. Steatite insulation. Provisions for panel, chassis or standoff insulator mounting. Air Gap and Peak Voltage: TMS types, .026", 1000 volts; TMC types, .077", 3000 volts; ST types, .026", 1000 volts ‡except .018", 600 volts. Length, 3"; 180° rotation. Wt., 1 lb.

SINGLE BEARING

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
71 H 030	STHS-15‡	15	3	3.09
71 H 031	STHS-25‡	25	3.25	3.25
71 H 032	STHS-50‡	50	3.5	3.24

TYPE ST—DOUBLE BEARING

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
71 H 033	ST-35	35	6	4.65
71 H 034	ST-50	50	7	4.83
71 H 035	ST-75	75	8	5.34
71 H 036	ST-100	100	9	4.88
71 H 037	ST-140	140	10	6.51
71 H 038	ST-150	150	10.5	7.28
71 H 039	STH-200‡	200	12	5.79
71 H 040	STH-250‡	250	13.5	5.99
71 H 041	STH-300‡	300	15	7.62
71 H 042	STH-335‡	335	17	7.01

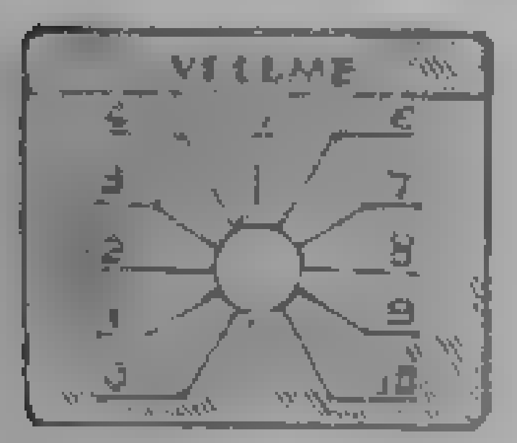
ST—SPLIT STATOR DOUBLE BEARING

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
71 H 043	STD-50	50-50	5-5	7.50
71 H 044	STHD-100‡	100-100	5.5-5.5	6.21

Shields, Caps, Dials, Accessories

CRONAME DIAL & SWITCH PLATES

SQUARE DIAL PLATES



Attractive anodized aluminum dial plates with black scales. Available in a large variety of designations. Excellent for installers, hobbyists and experimenters. Use with 1¼" bar knob. Provide the finishing touch that gives a custom-built look to high-fidelity and public address amplifiers, preamps, tape recorders, etc. Size, 2 3/16x2⅝", with ½" center-hole. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description
55 H 160	448	Treble, 0-10
55 H 161	417	Bass, 0-10
55 H 137	429	Treble, 5-0-5
55 H 136	428	Bass, 5-0-5
55 H 164	416	Microphone, 1, 0-10
55 H 165	417	Microphone, 2, 0-10
55 H 126	415	Microphone, 0-10
55 H 170	413	Master Gain, 0-10
55 H 124	412	Gain, 0-10
55 H 127	422	Gain, 5-0-5
55 H 123	411	Tone, 0-10
55 H 134	426	Volume, 0-10
55 H 125	414	Record, 0-10
55 H 135	427	Fader, 5-0-5
55 H 138	430	Expansion, 0-10
55 H 139	446	Phono, 0-10
55 H 131	423	Increase, with arrow
55 H 172	410	No title, 0-10

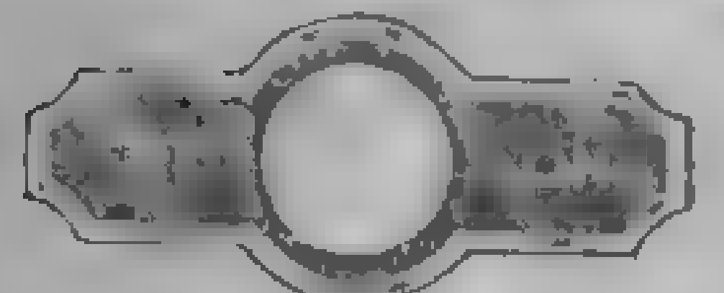
NET EACH 51c

ROUND DIAL PLATES

Easy-to-read etched aluminum scale with black background. 1¾" diameter. Type 25 has clockwise arrow labeled "Volume." Simple, one-hole mounting. Ideal for use on amplifiers, modulators, phonographs, transmitters, etc. Use with 1¼" bar knobs. 13/32" center-hole. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description	NET
55 H 141	25	Volume	37¢
55 H 140	569	0-100, 180°	37¢
55 H 108	905	0-100, 270°	27¢

"OFF-ON" SWITCH PLATE



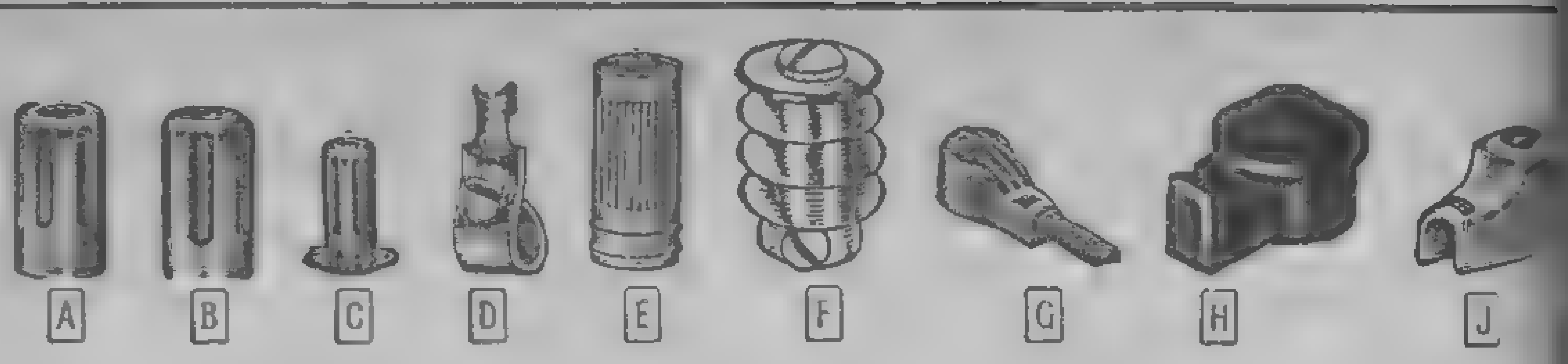
Economy-priced "Off-On" switch plates. Etched aluminum with black background. Has polished aluminum letters and border. Size, 1 1/16x1 11/16". Shpg. wt., 2 oz.

60 H 338. NET EACH................17c

CRONAME "TAILORED" TUNING ASSEMBLIES

"Croflex" dials are "tailored" to fit any average chassis. The tuning knob can be located at either end of the dial or along its lower edge. To install, simply position dial assembly and mount on chassis, string dial cord, set the pointer, and make shaft hole and dial cutout on panel. Capacitor pulley is furnished with each dial assembly—assemblies accommodate either clockwise or counter-clockwise capacitors with shafts up to ¼" in diameter. Modern "3-dimension" edge-lighted glass scales are calibrated horizontally and are extremely easy to read. Supplied with gold-bronze finished aluminum escutcheon and two clip-on, miniature-base, screw-type pilot light sockets (less bulbs). AM calibration covers 550-1600 kc, FM covers 88-108 mc, shortwave covers 6-18 mc. Series CR-1: 9:1 tuning ratio, 3¾" pointer travel. Series CR-2: 17:1 tuning ratio, 6¾" pointer travel. Series CR-3: 18:1 tuning ratio, 7⅛" pointer travel. *Has 0-100 logging scale for shortwave applications. Shpg. wts.: Mfr's Type CR-1, 1 lb.; CR-2, 1¼ lb.; CR-3, 1½ lb.

Stock No.	Mfr's Type	Application	Cutout	NET EACH
55 H 318	CR-1A	AM-FM	1 13/16x4 5/16"	7.35
55 H 319	CR-1B	AM		7.35
55 H 322	CR-2	*AM-SW	1 13/16x7 9/16"	8.17
55 H 323	CR-2A	AM-FM		8.17
55 H 324	CR-2B	AM		8.17
55 H 357	CR-2C	FM		8.17
55 H 326	CR-3A	AM-FM	2x8½"	10.58
55 H 327	CR-3B	AM		10.58



RECEIVING TUBE GRID CAPS AND SHIELDS

A complete selection of grid caps and shields for receiving-type tubes. Shields are used extensively with high-gain RF and audio amplifier tubes to minimize microphonics, and prevent oscillation, hum pickup, etc. Also use shield oscillator and converter tubes to a radiation. Tube caps provide positive, dep able contact. Av. shpg. wt., per pkg ,

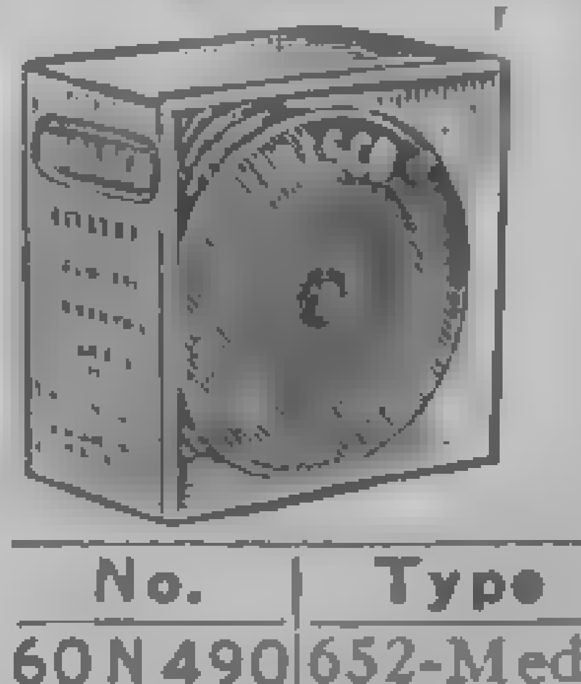
Stock No.	Fig.	Description and Application	Quantity Per Pkg.	NET Per
42H510	A	Goat G1332-3 tube shield for GT tubes, 2 5/16" high, ⅞" hole.	4	25¢
42H511	B	Goat G1332-5A. Same as 42 H 510, but with closed top.	4	25¢
42H512	C	Goat G1700 tube shield for miniature T5½ with G1710-B base. .865"x1⅞".	3	14¢
42H514	D	National Type 24. For standard tubes, ⅜" dia. grid caps.	5	20¢
42H515	D	National Type 8. For octal tubes, ¼" diameter grid caps.	5	20¢
42H507	E	Goat G1222K-5 tube shield for GT types. 1¼" dia., 2 25/32" high.	4	14¢
42H509	E	Goat G1222L-4 tube shield for loctal type tubes. 1 9/32" dia., 2 7/16" high.	4	13¢
42H508	....	(Not illustrated). Goat G1004-2 ground clip for grounding shields on octal tubes.	10	11¢
42H506	....	(Not illustrated). Goat G1307-2 double clip for octal base tubes (fits on tube socket).	5	7¢

TRANSMITTING TUBE CAPS

An excellent selection of plate and grid caps for transmitting tubes. Listing includes heat-dissipating types; fins provide large metal surface area for rapid radiation of heat; have machine screw for secure connection. Millen 36011 cap is for mobile or industrial use a tighter-than-normal grip is required; equi with self-locking, snap-button release. use with wire leads. All others listed are type. Av. shpg. wt., 3 oz.

Stock No.	Fig.	Description and Application	Quantity Per Pkg.	NET Per
42H093	F*	Eimac HR-3 heat dissipating cap for 35T, 250TH, etc. .070" hole.	1	77¢
42H096	F	Eimac HR-6 heat dissipating cap for 4-250A, 304TH, etc. .359" hole.	1	80¢
73H007	F	Bud TC-487 heat dissipating cap for UH50, HK24, 304B, 829B, 832A, 834. .062" hole.	1	67¢
73H000	F*	Bud TC-488 heat dissipating cap for HK24, 3C24, 24G, 25T, etc. .052" hole.	1	67¢
73H001	F*	Bud TC-489 heat dissipating cap for 35T, HK54, etc. .072" hole.	1	67¢
73H002	F	Bud TC-1920 heat dissipating cap for 100T, 807, 4-125A, 2-150D, 250TH, 4-250A, 6146, 1625, 4D32, 807W, 1B3GT, etc. .375" hole.	1	67¢
73H003	F	Bud TC-1921 heat dissipating cap for 866, T125, HF100, 450TH, 750TH, 809, 811, 812, 813, 828, 866, etc. .570" hole.	1	78¢
72H082	G	Millen 36011 industrial snap-action plate cap. 9/16".	1	69¢
71H246	H	National SPP-9 ceramic-insulated grid and plate cap. 9/16".	1	24¢
42H518	D	National Type 12 grid and plate cap. 9/16".	3	21¢
72H069	J	Millen Type 36002 steatite tube cap, ⅜".	1	24¢
72H140	J	Millen Type 36004 steatite tube cap, ¼".	1	24¢
72H068	J	Millen 36001 steatite plate cap for 866, etc. 9/16".	1	24¢

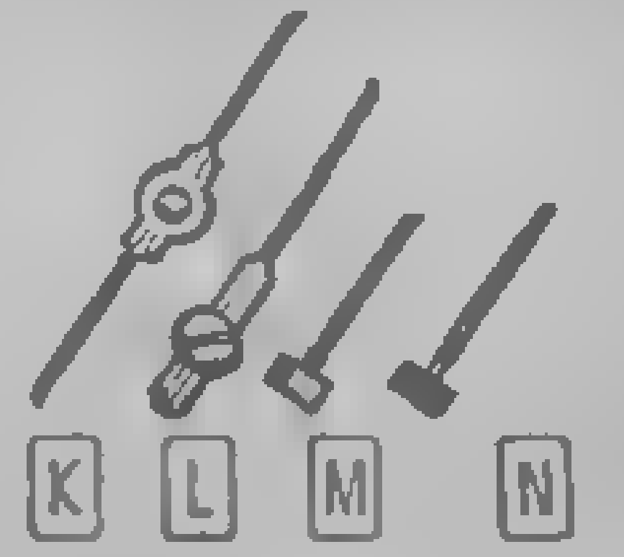
WALSCO DIAL CORD SPOOLS



An excellent selection of dial cord covering 80% of the replacement demand. All types have either a fiberglas or a linen core. Pre-stretched; maintains proper tension. Has durable nylon-braided sleeves. Av. shpg. wt., 4 oz.

No.	Type	Dia.	Strgth.	Lgth.	EA.
60N490	652-Med.	.040"	35 lbs.	25 ft.	.73
60N491	656-Thin	.025"	15 lbs.	25 ft.	
60N492	654-Std.	.028"	20 lbs.	25 ft.	
43N197	652-Med.	.040"	35 lbs.	100 ft.	2.32
43N195	656-Thin	.025"	15 lbs.	100 ft.	
43N196	654-Std.	.028"	20 lbs.	100 ft.	

G-C DIAL POINTERS



Will fit most radio sets. Can be cut shorter for small dials. Wt., 2 oz.

Type 6810. Kit of 10 pointers in plastic case. Shpg. wt., 4 oz.
60 H 449 NET.....1.91

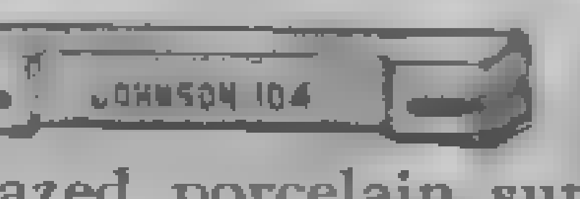
K 6802. 5" rotary for ¼" shaft. Has gold and red finish.
60 H 446. NET EACH.................24¢

L 6801. 3" rotary for ¼" shaft. Gold.
60 H 445. NET EACH.............24¢

M 6804. 2" slide pointer. White enamel.
60 H 448. NET EACH.............24¢

N 6803. 2½" slide pointer. Red translucent.
60 H 447. NET EACH.............24¢

JOHNSON ANTENNA INSULATORS



High-quality, strain-type insulators for use in antenna construction. Glazed porcelain surfaces resist moisture absorption. High breaking strength to support long antennas. 107 and 112 wet-process porcelain; 800 lbs. breaking strength. 104 dry-process porcelain; 400 lbs. breaking strength.

Stock No.	Type	Size	Wt.	NET
73 H 215	136-104	4"x⅝" sq.	4 oz.	.26
73 H 216	136-107	7"x1" dia.	10 oz.	1.18
73 H 217	136-112	12"x1" dia.	1¼lb.	1.25

AMPHENOL "TUNING-EYE" ASSEMBLIES

Comple mounting semblies fo stallatio electron tube "m eye" tuni dicators. Ideal for installation in FM or receivers (equipped with automatic vo control circuits) to provide an extremely curate, visual tuning aid. Can also be use modulation indicators in recorders; voltag dicators in test equipment; tuning indicato transmitters. Mounting assemblies are sup complete with color-coded wiring and a megohm target plate resistor attached to socket. Adjustable mounting brackets acc modate a variety of tube types and perm stallation on any panel. Hood escutc mounts on front of panel to provide a p sional-looking installation. With hardware instructions. Less tube.

Type 58-MEA-6. For 6-prong tubes suc 6E5 and 6U5. Shpg. wt., 6 oz.
45 H 855. NET........................2

Type 58-MEA-8. For octal base tubes suc 6AD6G, 6AF6G and 6AL7GT. Shpg. wt.,
45 H 856. NET........................

JOHNSON BEVELED DIALS

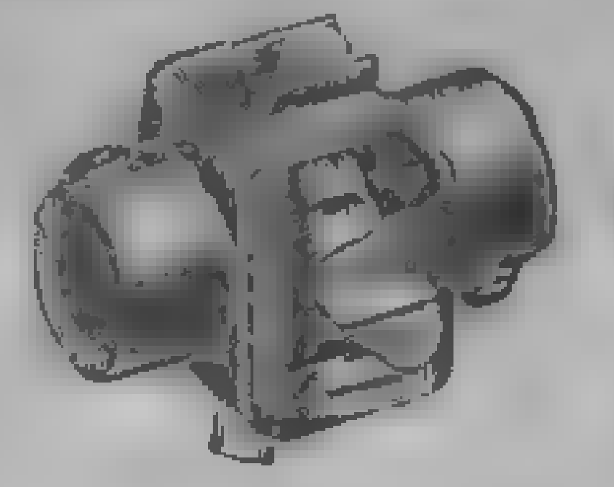
Distinctive dials offering exce gripping surface and attrac functional styling. Have etc beveled satin aluminum skirts anodized finish and deeply e and filled contrasting mark Calibrations are always eas read. Knobs use black phenolic molded that meet specifications of MIL-P-14. Ha curately centered brass inserts for ¼" s Both types are identical in size: 1⅛" dia knob, 1½" skirt diameter, and ¾" depth

Model 116-222-1. With calibration of over 180°. Shpg. wt., 3 oz.
73 H 237. NET EACH...............

Model 116-222-2. Same construction as listed above, but with calibration of 10-0 300°. Shpg. wt., 3 oz.
73 H 246. NET EACH...............

Millen Components

MINIATURIZED COUPLINGS



ed space use. M003 M006 (illustrated) l joint style made lated brass with insulation and gers. M008 is an l coupling with erts. 39003 is solid or 1/4" shafts; all re for 1/8" shafts. Av. shpg. wt., 2 oz.

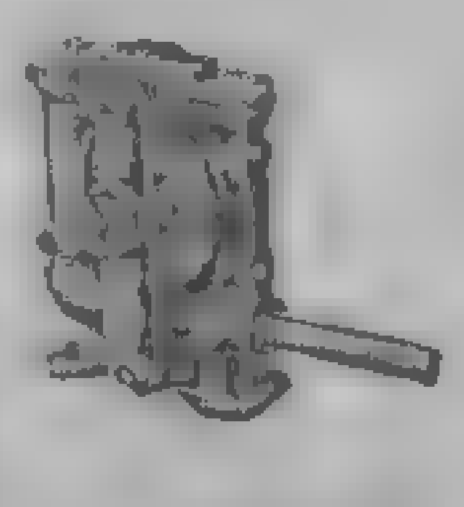
	Mfr's Type	Description	NET EACH
2	M003	Solid brass coupling	33¢
	M006	Univ. joint coupling	75¢
1	M008	Insulated coupling	51¢
	39003	Solid brass coupling	24¢

XIBLE COUPLINGS

39000 series of flexible Designed to provide xibility, no backlash, k-down voltages, smaller and accurate alignaddition to improved s of conventional types, nclude such exclusive l designs as 39001 with insulated unijoint and 39006 with "slide-action" for out-of-line or eccentric shaft mo- 05 (high torque) similar to 39001 but ated. Type 39016 (illus.) molded as it and features higher resistance to al shock; has solid insulating barrier m. All are for 1/4" shafts except *for . Av. shpg. wt., 2 oz.

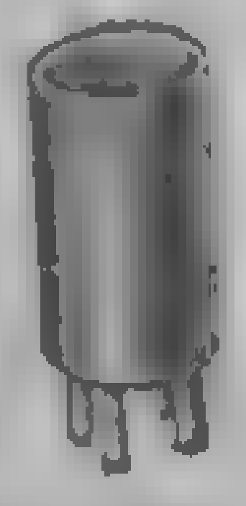
No.	Type	Description	EACH
34	39001	Universal joint	48c
76	39002	Fixed joint	
54	39005	Universal joint	
94	39006	Slide action	
75	39016	Barrier	
66	39017	*Miniature of 39016	

RIVE MECHANISM



10000 **Worm Drive.** A y constructed drive in offering a 16-to-1 n ratio. Cast-alumiame drilled for secure g on panel or chassis ring loaded split gears th operation and minimum backlash. and right hand shafts. Size, 3x2x2 1/8". t., 6 oz.
173. NET..........9.75

MOLDED COIL FORMS



45004. Molded-mica, phenolic pe coil forms. Four-prong type. ortwave receivers and lowtransmitters. Size: 1" diameter; winding length; 2 3/16" overall. wt., 2 oz.
124. NET..........51c

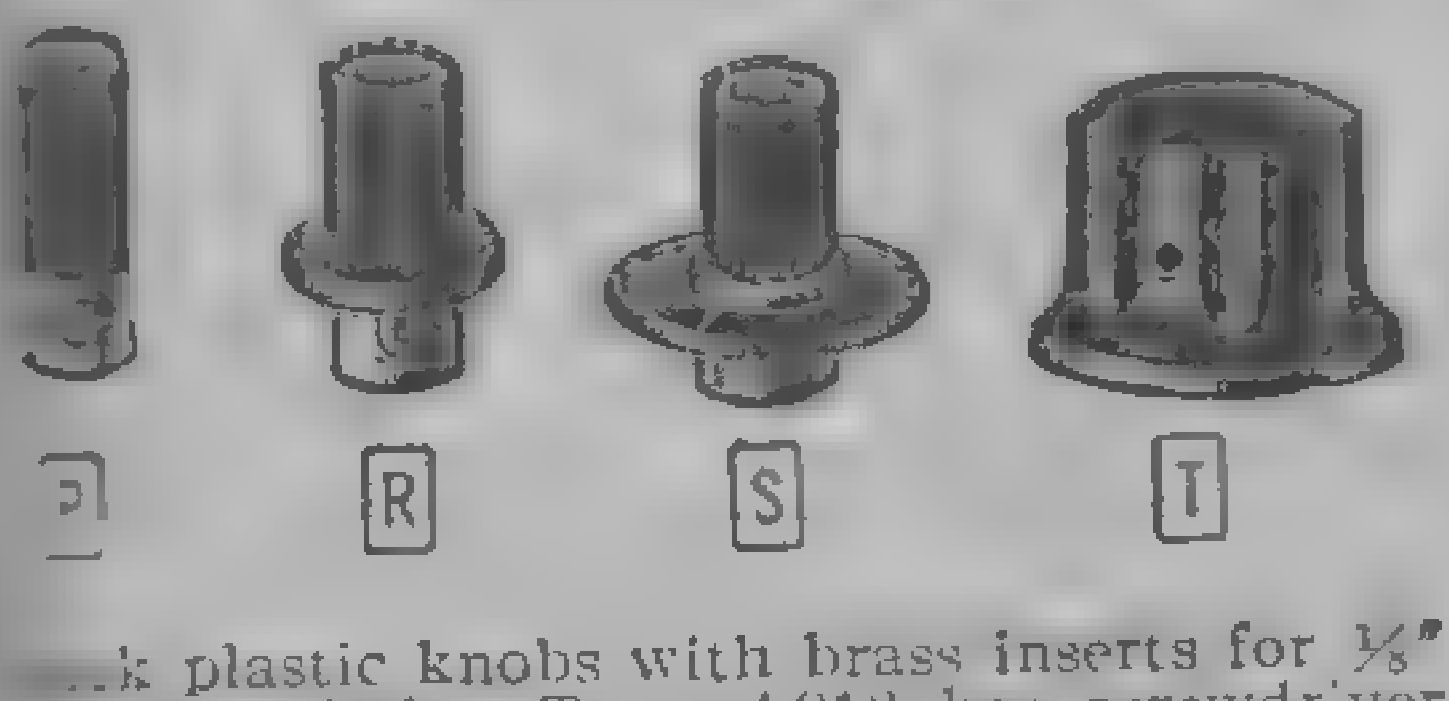
45005. Same as 45004, but has 5 prongs. wt., 2 oz.
125. NET..........51¢

45000. As above, without prongs. Screw ng. Shpg. wt., 2 oz.
128. NET..........39¢

INSTRUMENT DIAL

10007. Handsome dial accurate 0-10 clockwise spread over 180° for easy, t calibration and high legiy. Lends professional apnce to test instruments, ivers, etc. Highly useful for eers, Amateurs, experimenters, etc. Black ed numerals; black plastic knob. Dial dia., Fits 1/4" shaft. Shpg. wt., 3 oz.
H 667. NET..........75c

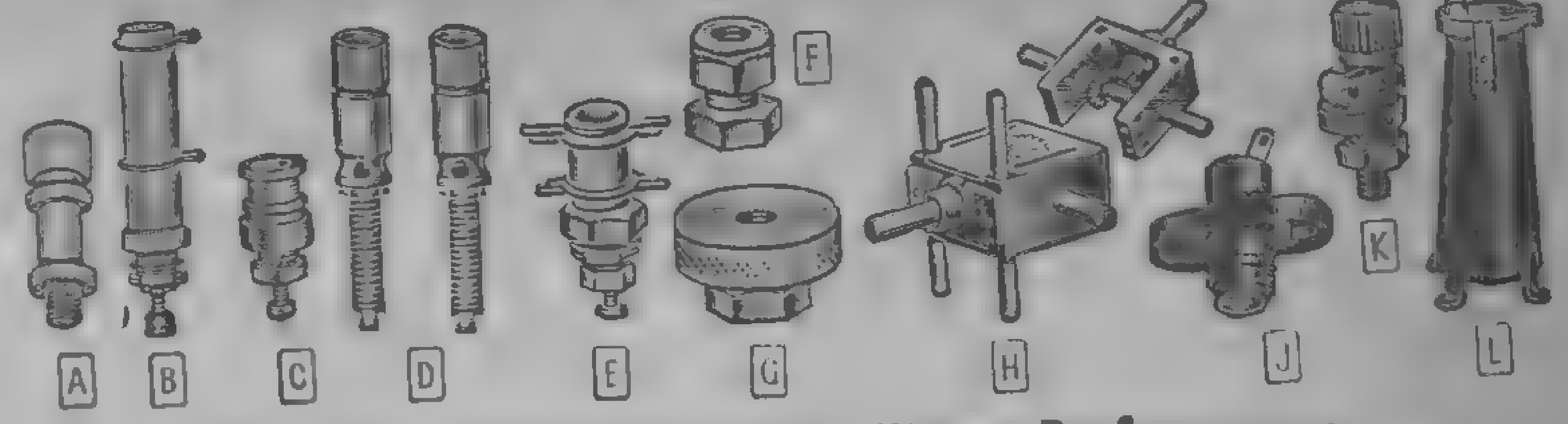
MINIATURE KNOBS



k plastic knobs with brass inserts for 1/8" meter shafts. Type A018 has screwdriver in top. Overall height: A006, 1/2"; A007, 3 and A019, 5/8". Av. shpg. wt., 4 oz.

No.	Type	Fig.	Size	NET
H 274	A019	P	1 1/4" dial dia.	36¢
H 273	A018	R	3/8" dial dia.	39¢
H 272	A007	S	5/8" dial dia.	42¢
H 271	A006	T	3/4" dial dia.	45¢

"DESIGNED FOR APPLICATION" COMPONENTS



Precision Components for Finest Performance

A selection of most widely used Millen "Designed for Application" components—famous for their outstanding quality among industrial, Amateur, and experimental users. Excellent for original-equipment applications, as well as for replacement purposes in existing units. All are made to exacting specifications to provide maximum dependability. Included in this listing are Series 69000 slug-tuned ceramic coil forms—copper slug reduces inductance when it moves into coil; iron slug increases inductance. Form dimensions indicate diameters and winding lengths. Series 80000 cathode-ray bezels have satin-black finish, neoprene cushions and green lucite filters. Refer to Manufacturers Index for page numbers of RF chokes and the many other Millen products listed in this Catalog. *Items not illustrated.

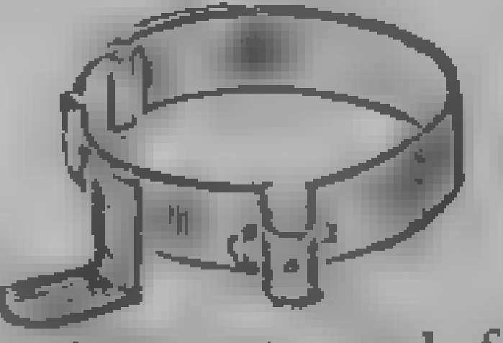
Stock No.	Type	Fig.	Description	Oz.	NET
72 H 085	10012	H	Right Angle Drive	5	5.00
72 H 087	10050	K	Dial Lock	4	.54
72 H 099	10061	F	Shaft Lock, for 3/8" Bushing; 1/4" shafts	4	.45
72 H 668	A061	F	Shaft Lock, for 1/4" Bushing; 1/8" shafts	4	.39
72 H 088	10062	G	Shaft Lock with Knurled Nut	4	.54
72 H 036	37001	J	High Voltage Terminal and Thru-Bushing, Black	3	.45
72 H 037	37001	J	High Voltage Terminal and Thru-Bushing, Red	3	.48
72 H 260	40305	*	5-Prong Steatite Coil Plug	3	.69
72 H 261	41305	*	5-Prong Steatite Jack Bar for above	3	.84
72 H 057	37202	*	Bakelite Plates (2) for 37222 below, Black	2	.36
72 H 059	37222	D	Binding Post	6	.30
72 H 130	69041	C	Ceramic Slug-tuned Coil Form, 13/32x7/32", Copper Slug	3	.96
72 H 131	69043	A	Ceramic Slug-tuned Coil Form, 1/4x5/8", Iron Slug	3	.84
72 H 084	69045	B	Ceramic Slug-tuned Coil Form, 1/2x1 1/4", Copper Slug	3	1.05
72 H 132	69046	B	Ceramic Slug-tuned Coil Form, 1/2x1 1/4", Iron Slug	3	1.05
72 H 133	69048	*	Ceramic Slug-tuned Coil Form, 1/4x[illegible]", Iron Slug	3	1.05
72 H 669	69051	E	Ceramic Slug-tuned Coil Form, [illegible]", Copper Slug	3	.87
72 H 670	69052	E	Ceramic Slug-tuned Coil Form, [illegible]", Iron Slug	3	.87
72 H 671	69055	E	Ceramic Slug-tuned Coil Form, 1/2x1 1/2", Copper Slug	3	1.05
72 H 672	69056	E	Ceramic Slug-tuned Coil Form, 1/2x1 1/2", Iron Slug	3	1.05
72 H 673	69057	E	Ceramic Slug-tuned Coil Form, 1/4x5/8", Copper Slug	3	.87
72 H 674	69058	E	Ceramic Slug-tuned Coil Form, 1/4x5/8", Iron Slug	3	.87
72 H 675	69061	E	Ceramic Slug-tuned Coil Form, 3/8x3/4", Copper Slug	3	.90
72 H 676	69062	E	Ceramic Slug-tuned Coil Form, 3/8x3/4", Iron Slug	3	.90
72 H 168	74400	*	Octal Base and Shield, 1 7/16x1 7/16x3 [illegible]"	10	1.40
72 H 150	80042	L	Nicoloi Shield for 2AP1 and 2BP1 2" CR Tubes	10	7.25
72 H 151	80043	L	Nicoloi Shield for use with either 3AP1 or 3BP1 3" CR Tubes	10	9.70
72 H 177	80055	*	Nicoloi Shield for 5CP1	12	18.90
72 H 153	80072	*	Bezel, Cushion and Filter for 2" CR Tube	4	1.80
72 H 154	80073	*	Bezel, Cushion and Filter for 3" CR Tube	5	4.35
72 H 155	80075	*	Bezel, Cushion and Filter for 5" CR Tube	7	8.40

VARIABLE CAPACITORS

Series 20000 Ultra-Midgets. Top-quality, steatite-insulated variables. For use in applications requiring miniaturized components. All are single-bearing type with .015" air gap (rated 600 volts peak), except *double-bearing type with .045" air gap (rated 1400 volts peak). All have 1/4" round shafts, 1" long. 5/16"-32 thread mounting bushing. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	Overall Length	NET EACH
72 H 030	20015	20	2.8	1 29/32"	1.77
72 H 044	20025	28.5	3.0	2 1/32"	1.86
72 H 032	20050	56	3.5	2 5/32"	2.04
72 H 033	20100	111	5.2	2 21/32"	2.43
72 H 045	21935*	39.5	6.7	3 9/32"	4.08

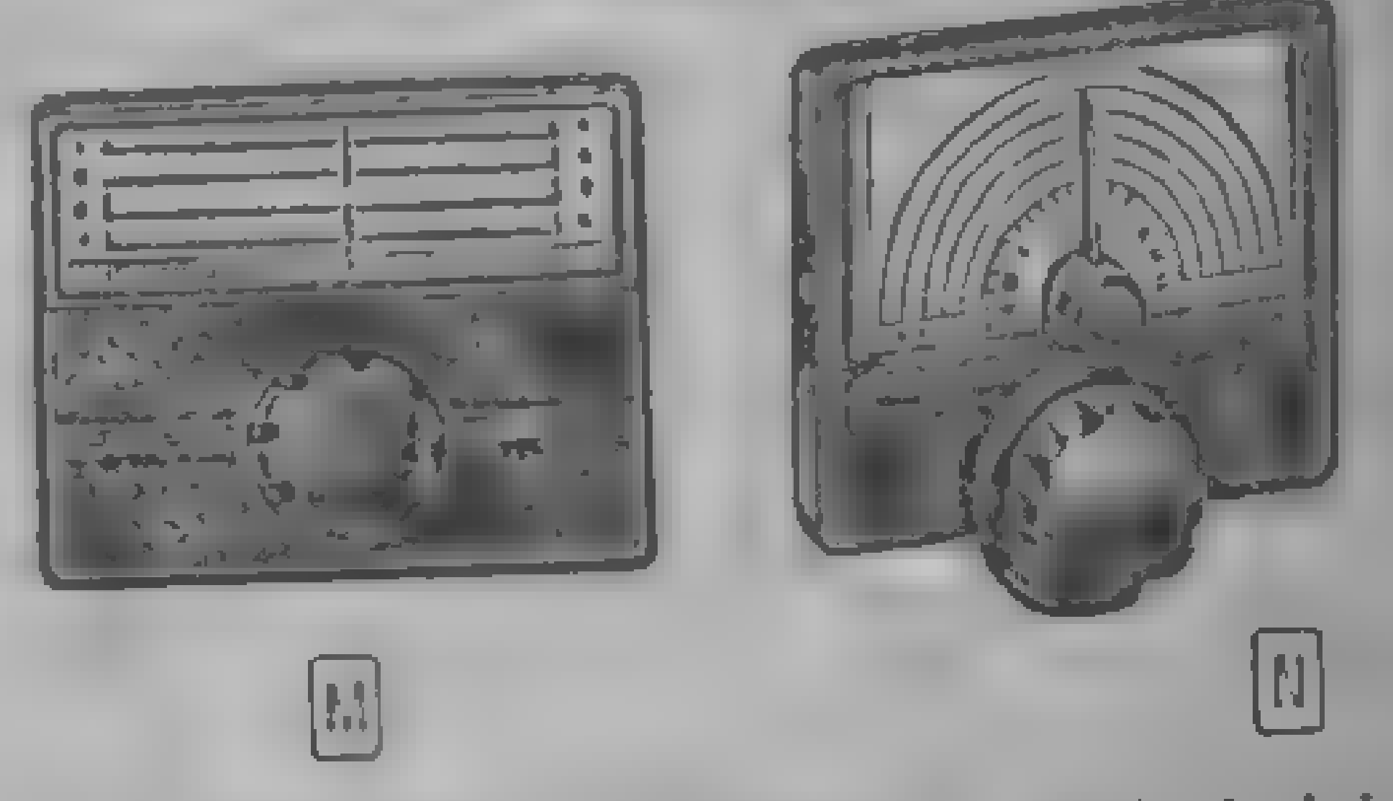
33087 TUBE BASE CLAMPS



Sturdily made, polished spring steel tube base clamps. Hold tubes in sockets and protect against damage from sudden jarring and shock. Excellent for use in mobile equipment and for reducing vibration of oscillator tubes. 2 oz.

Stock No.	Mfr's Type	Diameter	NET EACH
72 H 178	33087A	1.125"	36c
72 H 179	33087B	1.165"	
72 H 180	33087C	1.250"	
72 H 181	33087D	1.275"	
72 H 182	33087E	1.375"	

MULTI-SCALE DIALS

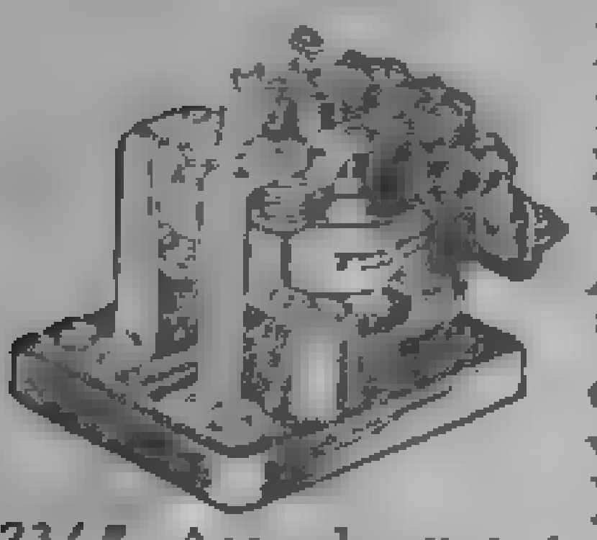


M **Type 10035 Multi-Scale Dial.** A deluxe-type illuminated slide-rule dial. Ideal for home-built Amateur receivers, VFO's, etc. Two built-in pilot lights provide even illumination over dial. Unit is self-contained. Large finger-grip knob control. Has 12 to 1 drive ratio. Has 4 blank scales for calibration and one 0-100 logging scale. Cardboard scale supplied can be used on both sides. Clear plastic dial window. Ample panel space provides room for 2 small controls. Size, 8 1/2x6 1/2". Black finish. Shpg. wt., 2½ lbs.
72 H 123. NET..........7.26

N **Type 10039 Midget Panel Dial.** Economy model. Excellent for small transmitters, receivers and measurement equipment. Drive ratio is 8 to 1. Totally self-contained mechanism eliminates back-of-panel interference; quick, easy installation. Compact design. Comfortable, finger-grip knob. Has 5 blank scales for calibration and one 0-100 logging scale. Attractive black finish. Size, 4x3 1/4". Shpg. wt., 13 oz.
72 H 050. NET..........3.24

Potter & Brumfield Relays*

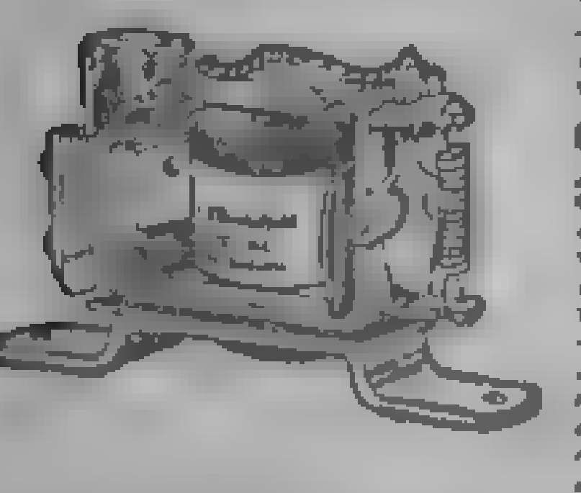
PR HEAVY-DUTY POWER RELAYS



For industrial control applications. Heavy screw terminals. All have 25-amp silver contacts except PR11-AL5 with 20 amp contacts. *Auxiliary SPDT 5-amp contacts. Sizes: all are 2½" wide; PR3, PR5, 2⁷⁄₃₂x2½"; PR7, 2½x2⁷⁄₁₆"; PR11, 2½x3⅜". Av. shpg. wt., 12 oz.

Stock No.	Type	Volts	Action	NET
75 P 846	PR3AY	6 AC	SPST	4.15
75 P 847	PR5AY	6 AC	SPDT	4.35
75 P 848	PR7AY	6 AC	DPST	4.90
75 P 849	PR11AY	6 AC	DPDT	6.45
76 P 750	PR5D	6 DC	SPDT	4.35
76 P 508	PR11D	6 DC	DPDT	6.45
76 P 751	PR3AY	12 AC	SPST	4.15
75 P 878	PR5AY	12 AC	SPDT	4.35
75 P 879	PR7AY	12 AC	DPST	4.90
76 P 752	PR11AY	12 AC	DPDT	6.45
76 P 509	PR3D	12 DC	SPST	4.15
76 P 510	PR5D	12 DC	SPDT	4.35
76 P 511	PR7D	12 DC	DPST	4.90
76 P 512	PR11D	12 DC	DPDT	6.45
75 P 961	PR3AY	24 AC	SPST	4.15
75 P 962	PR5AY	24 AC	SPDT	4.35
75 P 963	PR7AY	24 AC	DPST	4.90
75 P 964	PR11AY	24 AC	DPDT	6.45
76 P 753	PR11AL5	24 AC	DPDT*	8.15
76 P 754	PR5D	24 DC	SPDT	4.35
76 P 513	PR7D	24 DC	DPST	4.90
76 P 514	PR11D	24 DC	DPDT	6.45
75 P 600	PR3AY	115 AC	SPST	4.15
75 P 602	PR5AY	115 AC	SPDT	4.35
75 P 603	PR7AY	115 AC	DPST	4.90
75 P 663	PR11AY	115 AC	DPDT	6.45
76 P 755	PR11AL5	115 AC	DPDT*	8.15
75 P 968	PR3D	110 DC	SPST	4.75
75 P 969	PR5D	110 DC	SPDT	4.95
75 P 970	PR7D	110 DC	DPST	5.50
75 P 971	PR11D	110 DC	DPDT	7.05
75 P 652	PR3AY	230 AC	SPST	4.50
75 P 966	PR5AY	230 AC	SPDT	4.75
75 P 654	PR7AY	230 AC	DPST	5.35
75 P 655	PR11AY	230 AC	DPDT	6.95
76 P 756	PR11AL5	230 AC	DPDT*	8.55

MR MEDIUM-DUTY POWER RELAYS



For general applications. Silver contacts rated 8 amps except MR3 types rated 10 amps. AC coils for 60 cycles. ST actions normally open. Size: MR3 and MR5, 1¹¹⁄₁₆x1¹¹⁄₃₂x2³¹⁄₃₂"; MR11: 2x2³⁄₁₆x2¹⁹⁄₃₂"; MR14: 1¾x2⅛x2³¹⁄₃₂". Av. wt., 4 oz.

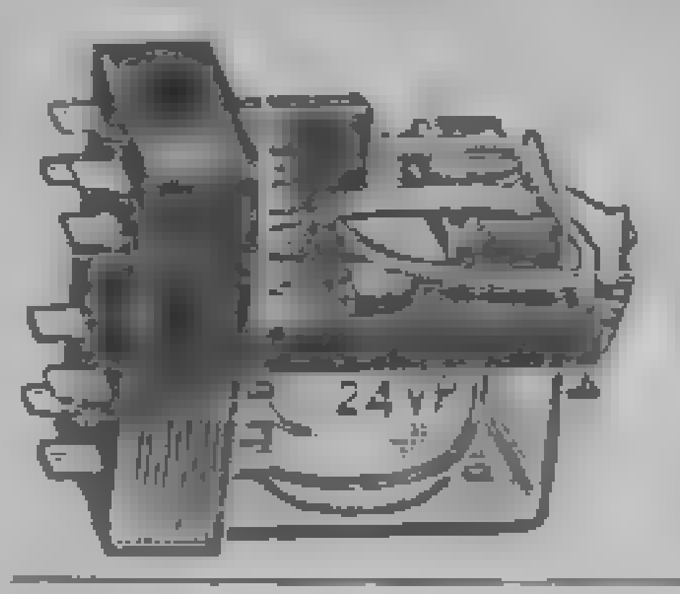
Stock No.	Type	Volts	Action	NET
75 P 975	MR3A	6 AC	SPST	3.85
75 P 610	MR5A	6 AC	SPDT	3.45
75 P 612	MR11A	6 AC	DPDT	4.85
75 P 976	MR14A	6 AC	3PDT	5.80
75 P 983	MR3D	6 DC	SPST	3.50
75 P 618	MR5D	6 DC	SPDT	3.20
75 P 985	MR11D	6 DC	DPDT	4.60
75 P 986	MR14D	6 DC	3PDT	5.45
76 P 757	MR5A	12 AC	SPDT	3.45
76 P 758	MR11A	12 AC	DPDT	4.85
76 P 759	MR14A	12 AC	3PDT	5.80
75 P 187	MR3D	12 DC	SPST	3.50
75 P 188	MR5D	12 DC	SPDT	3.20
75 P 190	MR11D	12 DC	DPDT	4.60
75 P 191	MR14D	12 DC	3PDT	5.45
75 P 978	MR3A	24 AC	SPST	3.85
75 P 979	MR5A	24 AC	SPDT	3.45
75 P 981	MR11A	24 AC	DPDT	4.85
75 P 982	MR14A	24 AC	3PDT	5.80
75 P 988	MR3D	24 DC	SPST	3.50
75 P 989	MR5D	24 DC	SPDT	3.20
75 P 991	MR11D	24 DC	DPDT	4.60
75 P 992	MR14D	24 DC	3PDT	5.45
75 P 665	MR3A	115 AC	SPST	3.85
75 P 614	MR5A	115 AC	SPDT	3.45
75 P 616	MR11A	115 AC	DPDT	4.85
75 P 972	MR14A	115 AC	3PDT	5.80
76 P 760	MR5D	110 DC	SPDT	3.70
76 P 761	MR11D	110 DC	DPDT	5.10
76 P 762	MR14D	110 DC	3PDT	5.95
75 P 657	MR5A	230 AC	SPDT	3.85
75 P 659	MR11A	230 AC	DPDT	5.25
75 P 974	MR14A	230 AC	3PDT	6.20

MOTOR STARTING RELAYS

For starting capacitor-start, induction-run motors. Armature gap may be altered to change pull-in. All types are normally closed. MS2 types rated at ¾HP; MS4 types rated at 3HP. *Have double-break contacts. Meet UL requirements. 2⅛x2¹⁷⁄₃₂x2³⁄₃₂". Av. wt., 5 oz.

Stock No.	Type	Volts	Action	NET
76 P 763	MS2AY	115 AC	SPST	3.55
76 P 764	MS4AY	115 AC	SPST*	4.15
76 P 765	MS2AY	230 AC	SPST	3.95
76 P 766	MS4AY	230 AC	SPST*	4.55

AB APPLIANCE RELAYS



Ideal for appliance applications requiring long-life and quiet operation. DPDT silver contacts rated at 10 amps. Size: 1¹³⁄₃₂x3x1¹⁵⁄₁₆". Have 2—No. 8-32 tapped mounting holes on 1¼" centers. *UL approved. Av. wt., 8 oz.

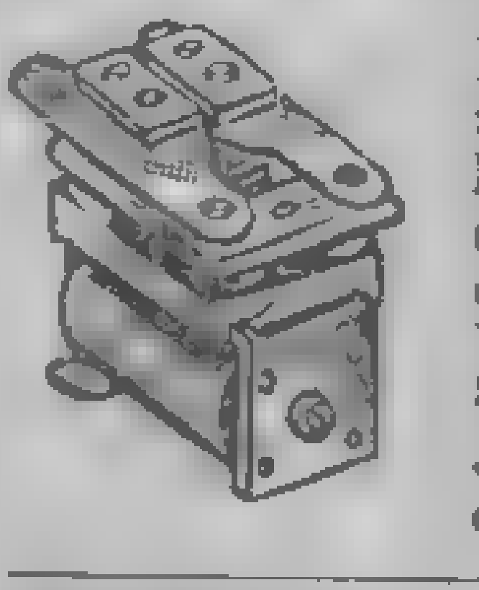
Stock No.	Type	Volts	NET
75 P 399	AB11AY*	6 AC	5.30
76 P 767	AB11D	6 DC	5.20
76 P 768	AB11D	12 DC	5.20
75 P 418	AB11AY*	24 AC	5.30
76 P 769	AB11D	24 DC	5.20
75 P 419	AB11AY*	115 AC	5.30
75 P 449	AB11D	110 DC	5.70
75 P 448	AB11AY*	230 AC	5.70

ABC MEDIUM POWER RELAYS

For small motors, industrial controls, etc. Have DPDT silver contacts rated at 10 amps. Snap-on and screw terminals are supplied. Have dust covers. Size above chassis: 1³¹⁄₆₄x2²⁵⁄₃₂x2³⁄₃₂". Single No. 8-32 mounting stud ⅜" long and locating tab. *UL Approved. Av. shpg. wt., 7 oz.

Stock No.	Type	Volts	NET
75 P 431	ABC11AY*	6 AC	6.40
76 P 770	ABC11D	6 DC	6.30
76 P 771	ABC11D	12 DC	6.30
75 P 432	ABC11AY*	24 AC	6.40
76 P 772	ABC11D	24 DC	6.30
75 P 433	ABC11AY*	115 AC	6.40
75 P 465	ABC11D	110 DC	6.80
75 P 464	ABC11AY*	230 AC	6.80

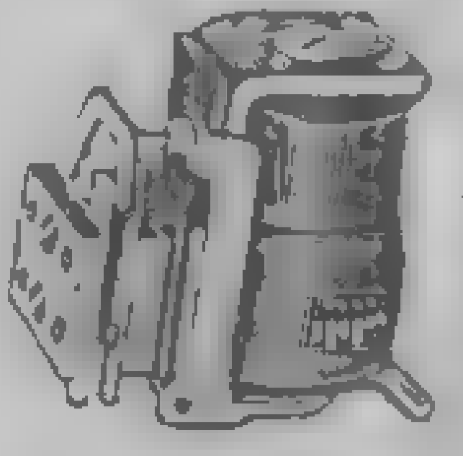
MB MINIATURE DC POWER RELAYS



Rugged telephone type relays. Designed for very high current applications. Contact arms are heavy brass with large silver contacts; solder terminals. Rated 60 amps, SPST, double break, normally open. Size: 1⅝x²⁷⁄₃₂x1⅝". Mounting: Four No. 3-48 tapped holes on ⅜x⅜" centers. Av. shpg. wt., 5 oz.

Stock No.	Type	Volts	NET
75 P 059	MB3D	6 DC	5.40
75 P 065	MB3D	12 DC	5.50
75 P 066	MB3D	24 DC	5.50
75 P 067	MB3D	110 DC	5.90

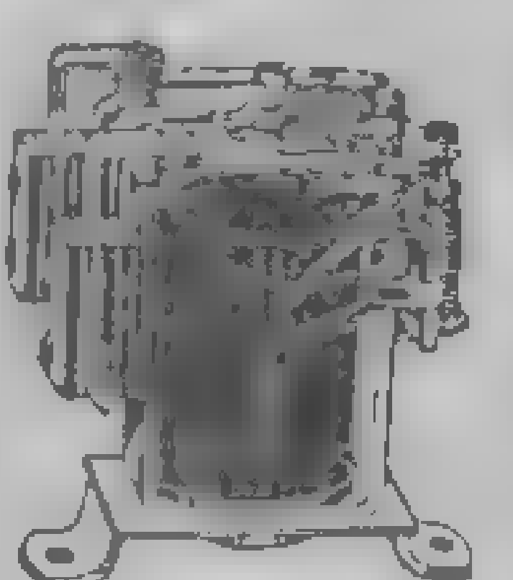
MC SERIES RELAYS



Ideal for RF switching applications—have only 1.5 mmfd maximum capacitance between SPDT palladium contacts. Long-lasting contacts are rated at 2 amperes. Size, 1²⁵⁄₃₂x1¹⁵⁄₃₂x¾". Av. wt., 2 oz.

Stock No.	Type	Volts	NET
76 P 741	MC5A	6 AC	5.00
76 P 742	MC5D	6 DC	4.40
76 P 743	MC5D	12 DC	4.40
76 P 744	MC5D	24 DC	4.40
76 P 745	MC5A	115 AC	5.00

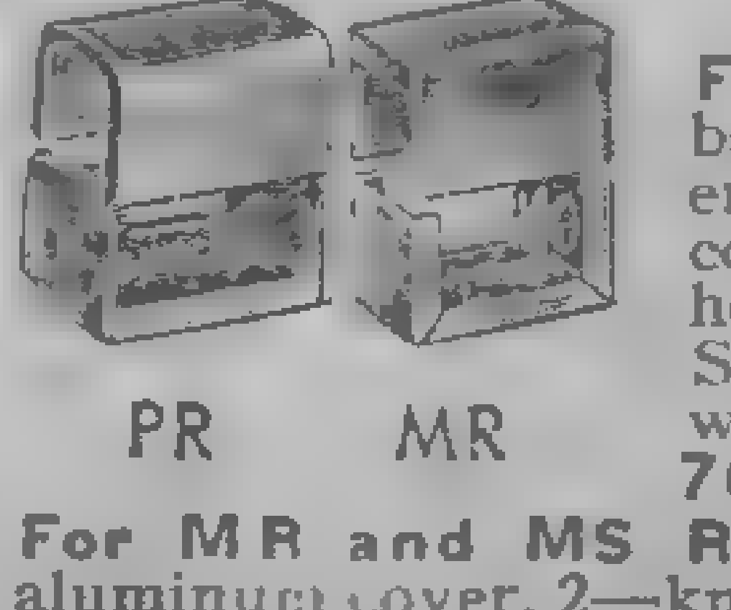
LM PLATE CIRCUIT RELAYS



For photoelectric and similar circuits. Adjustable for voltages or currents. Silver contacts rated 5 amps, 115 v., 60 cycles, non-inductive load. Have 100 milliwatt sensitivity for single-pole, 200 mw for double-pole. *SPDT; †DPDT. Sizes are: LM5, 2⁵⁄₁₆x1¼x2⁷⁄₁₆"; LM11, 2³⁄₁₆x2⁵⁄₃₂x2½". Av. shpg. wt., 9 oz.

Stock No.	Type	Ohms	Ma	NET
75 P 673	LM5*	2500	6.3	3.90
75 P 674	LM5*	5000	4.5	4.10
75 P 675	LM5*	10,000	3.2	4.40
75 P 682	LM11†	2500	9.0	5.55
75 P 683	LM11†	5000	6.3	5.75
75 P 684	LM11†	10,000	4.5	6.30

RELAY CASES



For PR Relays. Steel base with aluminum cover. 4—knockouts for ½" conduit. Mtg.: 3—No. 10 holes on 1⅞x4⅛" centers. Size, 3⅛x5⁵⁄₁₆x3⅜". Shpg. wt., 1 lb.
76 P 777. NET..3.00

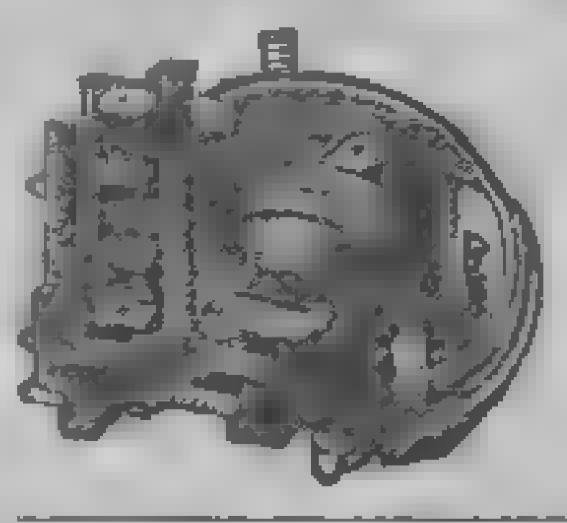
For MR and MS Relays. Steel base with aluminum cover. 2—knockouts for ½" conduit. Mounts on pre-drilled holes. Wt., 1 lb.
76 P 778. NET..........................1.90

AG SHOCKPROOF RELA

Shockproof relays in dust-p covers. Screw terminals, nolic bases. Silver DPDT c tacts rated 5 amps. Size: 2- 3⁵⁄₃₂x1⁵⁄₁₆". 2—³⁄₁₆" mounting h on 2⅜x⅝" diagonal cent Shpg. wt., 9½ oz.

Stock No.	Type	Volts	NE
76 P 773	AG11D	24 DC	9.1
76 P 774	AG11AY	115 AC	9.2

KA GENERAL-PURPOSE RELAYS



Compact, general pur relays for transmitters, er supply control, etc. ture resistant. Heavy contacts rated at 5 a AC coils for 60 cycles types UL approved. mounting stud. 1¹¹⁄₁₆x1- 1¹⁵⁄₃₂". Shpg. wt., 6 oz

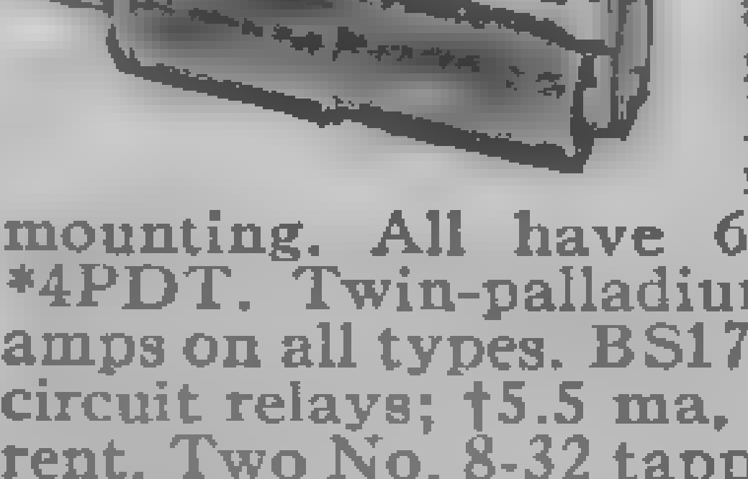
Stock No.	Type	Volts	Action	N
75 P 158	KA5AY	6 AC	SPDT	3
75 P 159	KA11AY	6 AC	DPDT	3
75 P 160	KA14AY	6 AC	3PDT	4
75 P 167	KA5D	6 DC	SPDT	3
75 P 168	KA11D	6 DC	DPDT	3
75 P 169	KA14D	6 DC	3PDT	3
76 P 780	KA5AY	12 AC	SPDT	3
76 P 781	KA11AY	12 AC	DPDT	3
76 P 779	KA14AY	12 AC	3PDT	4.
75 P 170	KA5D	12 DC	SPDT	3
75 P 171	KA11D	12 DC	DPDT	3
75 P 172	KA14D	12 DC	3PDT	3
75 P 161	KA5AY	24 AC	SPDT	3
75 P 162	KA11AY	24 AC	DPDT	3
75 P 163	KA14AY	24 AC	3PDT	4
75 P 173	KA5D	24 DC	SPDT	3
75 P 174	KA11D	24 DC	DPDT	3
75 P 185	KA14D	24 DC	3PDT	3
75 P 164	KA5AY	115 AC	SPDT	3
75 P 165	KA11AY	115 AC	DPDT	3
75 P 166	KA14AY	115 AC	3PDT	4
76 P 782	KA5D	110 DC	SPDT	3
76 P 522	KA11D	110 DC	DPDT	4
76 P 523	KA14D	110 DC	3PDT	4
76 P 783	KA11AY	230 AC	DPDT	4

KRP ENCLOSED TYPE RELAYS

Completely enclosed c pact relays in hi-imp transparent, polystyre cases. Fully dust-p and weather-proof for surance of long life dependable operatic Types KRP5 and KRP11 plug into stand octal sockets; Type KRP14 plugs into 11- socket. Heavy silver contacts are rated a amps with non-inductive load. Size, 1¹³⁄₃₂x1 2". Av. shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	NE
75 P 214	KRP5A	6 AC	SPDT	5
75 P 920	KRP11A	6 AC	DPDT	6
75 P 091	KRP14A	6 AC	3PDT	7
75 P 217	KRP5D	6 DC	SPDT	5
75 P 922	KRP11D	6 DC	DPDT	6
75 P 094	KRP14D	6 DC	3PDT	7
76 P 524	KRP11A	12 AC	DPDT	6
76 P 525	KRP14A	12 AC	3PDT	7
75 P 244	KRP5D	12 DC	SPDT	5
75 P 246	KRP11D	12 DC	DPDT	6
75 P 095	KRP14D	12 DC	3PDT	7
75 P 215	KRP5A	24 AC	SPDT	5
75 P 216	KRP11A	24 AC	DPDT	6
75 P 092	KRP14A	24 AC	3PDT	7
75 P 245	KRP5D	24 DC	SPDT	5
75 P 247	KRP11D	24 DC	DPDT	6
75 P 096	KRP14D	24 DC	3PDT	7
75 P 213	KRP5A	115 AC	SPDT	5
75 P 921	KRP11A	115 AC	DPDT	6
75 P 093	KRP14A	115 AC	3PDT	7
76 P 352	KRP11D	110 DC	DPDT	6
76 P 998	KRP14D	110 DC	3PDT	8
76 P 597	KRP11A	230 AC	DPDT	6

BS SERIES



Long-coil telepho type relays. Especi suited for computer automatic test equ ment applicatio Have tinned solder t minals for rear of pa mounting. All have 6PDT contacts exce *4PDT. Twin-palladium contacts rated a amps on all types. BS17L and BS23L are p circuit relays; †5.5 ma, §7.6 ma operating rent. Two No. 8-32 tapped holes on ¾" mou ing centers. Shpg, 11 oz.

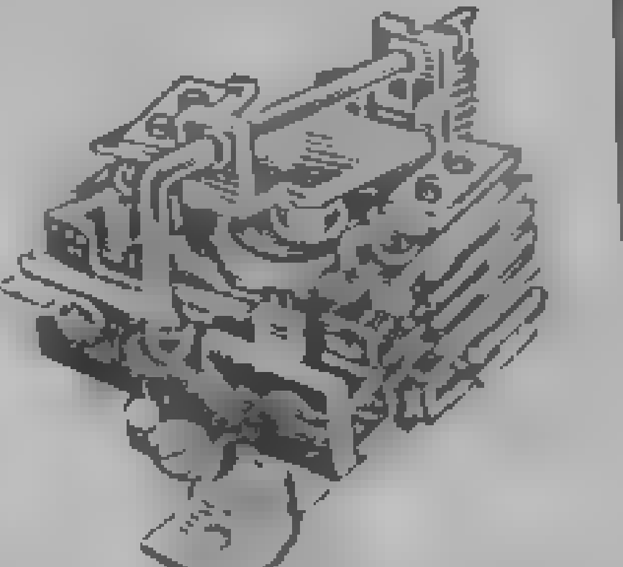
Stock No.	Mfr's Type	Volts	Ohms	NE EAC
76 P 646	BS17D	24 DC*	1000	7
76 P 647	BS23D	24 DC	1000	8.
76 P 312	BS23D	48 DC	1600	9
76 P 313	BS23D	110 DC	6500	9
76 P 648	BS23A	115 AC	71	10
76 P 649	BS17L	†*	10,000	8
76 P 499	BS23L	§	10,000	9

Potter and Brumfield, Advance, B-T Relays

POTTER AND BRUMFIELD RELAYS

ED CAN SUPPLY THE COMPLETE POTTER AND BRUMFIELD LINE. Only the most widely Potter and Brumfield relays are shown on this page. Contact us for prices other information on any types not listed—you will receive a prompt reply.

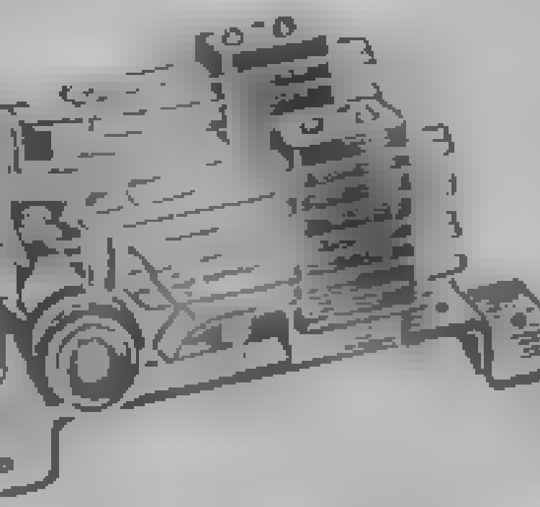
TYPE PC IMPULSE RELAYS



act, pulse-operated For on-off or revers- ations. Pulses may ort as 60 millisec- 5 cps. Gold-flashed ontacts, rated 7.5 115 volts AC, re- oad. Size: 2¹⁄₁₆x2³¹⁄₃₂ AC is for 50-60 Shpg. wt., 10 oz.

No.	Type	Action	Volts	NET
504	PC11A	DPDT	6 AC	5.50
505	PC17A	4PDT	6 AC	7.60
26	PC11D	DPDT	6 DC	5.35
27	PC17D	4PDT	6 DC	7.45
28	PC11A	DPDT	12 AC	5.50
502	PC11A	DPDT	24 AC	5.50
503	PC17A	4PDT	24 AC	7.60
506	PC11D	DPDT	24 DC	5.35
507	PC17D	4PDT	24 DC	7.45
500	PC11A	DPDT	115 AC	5.50
501	PC17A	4PDT	115 AC	7.60
29	PC11D	DPDT	110 DC	5.85
730	PC17D	4PDT	110 DC	7.95

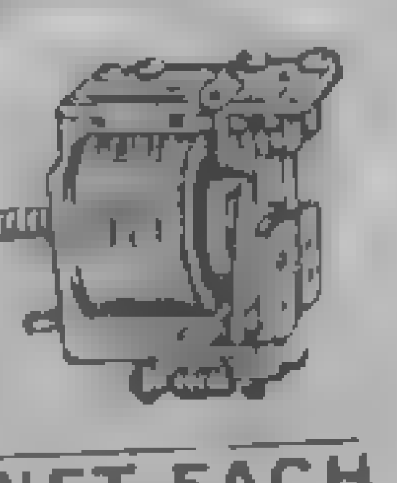
AP RATCHET IMPULSE RELAYS



emely fast acting or applications re- on-off or reversing on alternate im- Operates on im- as short as 60 ms. ttent duty. Con- re 3⁄16" fine silver, 5 amps. Coils are on molded bobbins Phenolic cams, d steel pawl and ratchet with pin armature Tinned solder terminals. ing: Three 5⁄32" diameter holes on 3⅛x7⁄8" ar centers. Size: 2⁵⁄₁₆x2¼x3¾". Weight, AC is for 50-60 cycles. Shpg. wt., 12 oz.

k No.	Type	Volts	Action	NET
P 997	AP11A	6 AC	DPDT	8.70
P 988	AP17A	6 AC	4PDT	10.50
P 585	AP11D	6 DC	DPDT	8.70
P 586	AP17D	6 DC	4PDT	10.50
P 581	AP11A	12 AC	DPDT	8.70
P 582	AP17A	12 AC	4PDT	10.50
P 587	AP11D	12 DC	DPDT	8.70
P 588	AP17D	12 DC	4PDT	10.50
P 995	AP11A	24 AC	DPDT	8.70
P 996	AP17A	24 AC	4PDT	10.50
P 999	AP11D	24 DC	DPDT	8.70
P 778	AP17D	24 DC	4PDT	10.50
P 993	AP11A	115 AC	DPDT	8.70
P 994	AP17A	115 AC	4PDT	10.50
P 589	AP11D	110 DC	DPDT	9.35
P 590	AP17D	110 DC	4PDT	11.15
P 583	AP11A	230 AC	DPDT	9.15
P 584	AP17A	230 AC	4PDT	10.95

KT ANTENNA SWITCHING RELAYS



Both receivers and transmit- Designed for RF applica- glass base insulation Will 300-ohm line. All are DPDT. 6-32 stud. Fine silver, 5 amp cts. 1¼x1⅝x1¹¹⁄₁₆". Shpg. 2 oz.

Stock No.	Type	Volts	NET EACH
P 373	KT11A	6 AC	3.70
P 374	KT11A	115 AC	
P 375	KT11D	6 DC	
P 376	KT11D	12 DC	

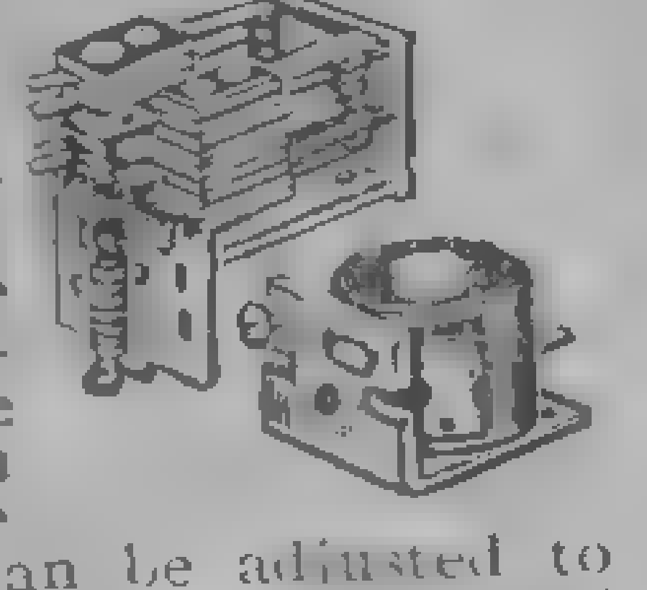
LONDER-TONGUE THERMO RELAY

- Turns Booster or Converter On and Off With TV Set
- Adjustable Silver Contacts

Model T R-3A. Replacement re- y used in boosters and converters which automatically turn on and with the TV set. When TV set is turned on, rent drawn by the set flows through thermal of the relay, heating it, and causing the y to close—thus supplying power to the ster or converter unit. When TV set is ned off, current ceases to flow through the y's thermal unit, relay opens, and the con- ter or booster is also turned off. Relay's er contacts are adjustable for time delays from .1 to 4 seconds. Contacts will handle up 5 amp at 117 volts or ¼ amp at 220 volts, . Relay provides uniform operation over a rrent range of from .1 to 3 amps. Size, 2¼x 3⁄8" Shpg. wt., 2 oz.

C 210. List $2.00. NET..........1.27

GP "PIC & BUILD" SERIES



Units available can be combined to produce twenty different relays, each easily converted to an alternative sensitivity or switching arrangement in minutes. The 110 v. DC coil is approximately 6000 ohms. The 2500, 6000 and 10,000 ohm coils may be used in plate circuit applications and can be adjusted to operate on 13, 8, and 6.5 ma respectively. ⅛" diameter switch contacts are rated at 5 amps. Has tapped core to permit mounting with single 8-32 screw. Size, 1x1¹¹⁄₁₆x1²⁵⁄₃₂". Av. wt., 4 oz.

Stock No.	Mfr's Type	Item	NET
76 P 333	GPA	6 v. AC Coil	1.65
76 P 337	GPD	6 v. DC Coil	2.10
76 P 539	GPA	12 v. AC Coil	1.65
76 P 338	GPD	12 v. DC Coil	2.10
76 P 334	GPA	24 v. AC Coil	1.65
76 P 339	GPD	24 v. DC Coil	2.10
76 P 335	GPA	115 v. AC Coil	1.65
76 P 340	GPD	110 v. DC Coil	3.15
76 P 336	GPA	230 v. AC Coil	2.10
76 P 341	GPD	2500-ohm Coil	1.50
76 P 342	GPD	10,000 ohm Coil	2.10
76 P 343	GP11	DPDT Switch	1.70
76 P 344	GP17	4PDT Switch	2.95

KCP ENCLOSED RELAYS

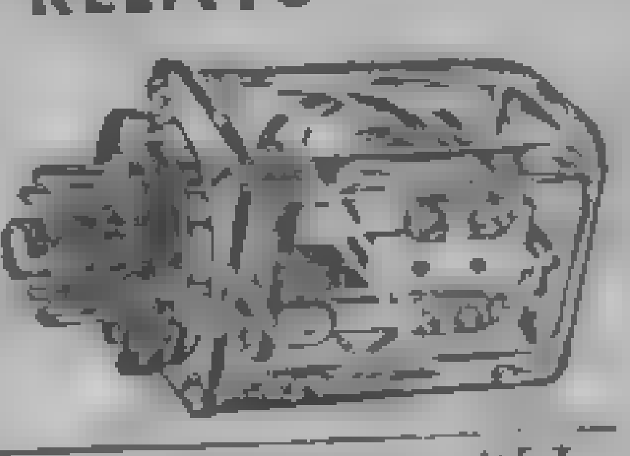


Plate circuit relays. In high-impact, weatherproof cellulose-acetate cases. Fit std. octal or 11 pin socket (below). 2 amp resistive, silver contacts. 1¹¹⁄₃₂" sq. by 2". 5 oz.

Stock No.	Type	Action	Ohms	Ma	NET
75 P 287	KCP5	SPDT	2500	7.2	5.90
75 P 288	KCP5	SPDT	5000	5.0	6.00
75 P 289	KCP5	SPDT	10,000	3.6	6.40
75 P 290	KCP11	DPDT	2500	10.0	6.30
75 P 291	KCP11	DPDT	5000	7.2	6.40
75 P 292	KCP11	DPDT	10,000	5.0	6.60
75 P 097	KCP14	3PDT	2500	12.3	7.75
75 P 098	KCP14	3PDT	5000	8.7	7.85
75 P 099	KCP14	3PDT	10,000	6.1	8.25

Amphenol 77MIP8 Socket. For KRP and KCP relays. For all relays except KRP14 and KCP14. Octal type. Requires 1⁵⁄₃₂" hole. Mtg. centers, 1½". Wt., 5 oz.

40 H 028. NET.......................... 15c

Amphenol 77MIP11 Socket. For KRP14 and KCP14 types Molded bakelite Mounts in 1⁵⁄₃₂" hole; has 1½" mtg. centers. Wt., 2 oz.

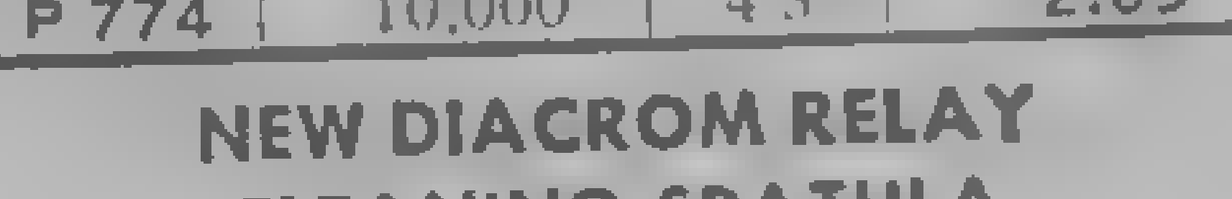
40 H 033. NET.......................... 20c

LB-5 PLATE CIRCUIT RELAYS

Small, fast acting circuit relays. For any circuit supplying only a few milliwatts of DC. Breakdown: 500 volts rms minimum. Silver contacts are rated 5 amps at 28 volts DC, with a non-inductive load. All units have SPDT action. Adjusted by bending tail spring hook. Size, 2²¹⁄₃₂x1¼x1⅜". For DC operation only. Shpg. wt., 5 oz.

Stock No.	Ohms	Ma	NET EACH
75 P 625	2500	9	2.45
75 P 626	5000	6.3	2.65
75 P 774	10,000	4.5	2.85

NEW DIACROM RELAY CLEANING SPATULA



- Uses Abrasive of Diamond Particles
- Leaves Clean, Perfectly Polished Surface
- Wear-Resistant Design—Lasts A Lifetime

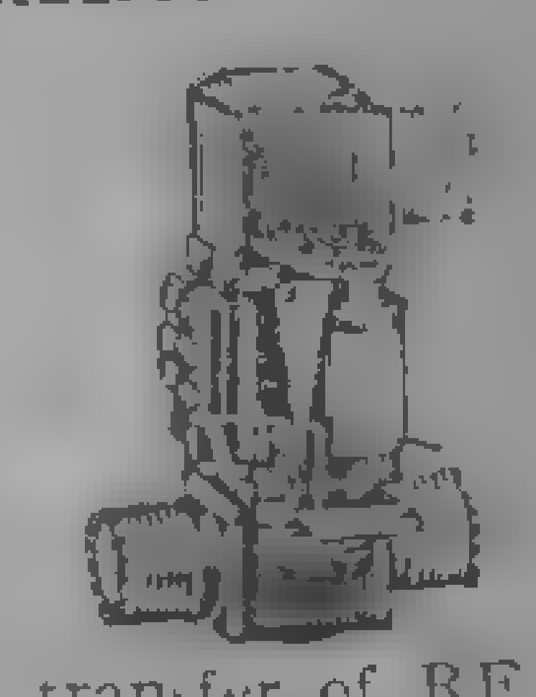
Makes cleaning of relay contacts a quick and easy operation. Utilizes the superior abrasive power of diamond particles to do a thorough and efficient job. Requires much less pressure than ordinary cleaning methods, leaves the contact gap unchanged and removes very little of the contact material. Exclusive particle bonding method prevents clogging, keeps spatula clean and effective. 6" long. Wt., 2 oz.

Stock No.	Grain Size	To Clean	NET EACH
77 P 328	200	Industrial Relays	4.95
77 P 329	300	Intermediate Relays	
77 P 330	400	Sensitive Relays	

ADVANCE RELAYS

Is the Advance Relay You Require Listed on This Page? If not, remember that Allied stocks many other types of Advance relays not shown here—write, wire or phone us for information and prices.

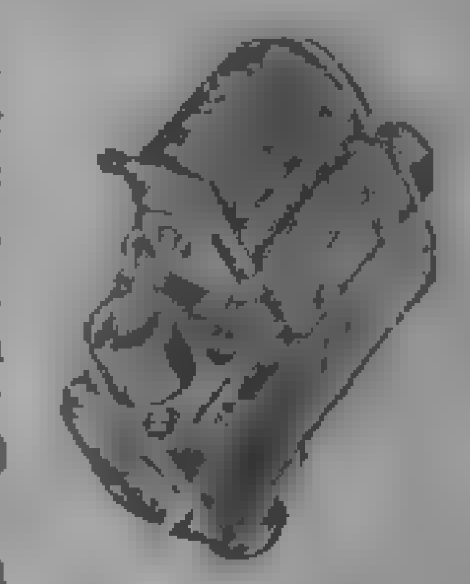
TYPE CE COAXIAL RELAYS



Small, compact relays for coaxial line switching where space is limited. Designed especially for use with 52 ohm coaxial lines but may be used on coaxial lines with other impedances. Excellent for use with mobile, aircraft, marine, experimental and fixed-station communications equipment. Features extremely low standing wave ratio for maximum transfer of RF energy. Offer dependable continuous-duty operation in any position. All have internal SPDT contacts rated at 2 amps. In addition, Types CE/1C2C 115VA, CE/1C2C 6VD, and CE/1C2C/12VD also have external DPDT contacts, rated at 2 amps, for auxiliary circuits. Have 2 tapped mounting holes, 6-32 NC-2; .750" centers. Overall size, 1¹³⁄₁₆x2¹⁄₁₆x2¹⁵⁄₁₆". Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Ohms	Volts	NET
76 P 925	CE/1C/115VA	750	115 v. AC	13.20
76 P 926	CE/1C2C 115VA	750	115 v. AC	14.35
76 P 921	CE/1C/6VD	20	6 v. DC	12.90
76 P 922	CE/1C2C/6VD	20	6 v. DC	13.75
76 P 923	CE/1C/12VD	80	12 v. DC	12.90
76 P 924	CE/1C2C/12VD	80	12 v. DC	13.75

TYPE CB COAXIAL RELAYS



Designed to meet the problems of coaxial cable switching. For use with 52-ohm RG coaxial cables at RF outputs of up to 800 watts on lines with low SWR. For use in mobile, aircraft, and fixed-station installations. SWR is extremely low less than 1.08: 1.00 at 150 mc. Extremely low loss at very high frequencies—can be used on frequencies up to 300 megacycles. Internal contacts are made of heavy quarter inch fine silver. All have SPDT internal contacts directly connected to Amphenol 83-1R connector. In addition, Types CB/1C2C/115A, CB/1C2C 6VD, CB/1C2C, 12VD, and CB/1C2C/24VD have external DPDT contacts for use with auxiliary circuits. All contacts, both internal and auxiliary, are rated at 5 amps. Designed to operate equally well in all positions. Units have two tapped mounting holes, 6-32 NC-2; and .750" centers. Size (HWL): 3¹⁄₁₆x1¾x3⅞". Shpg. wt., 11 oz.

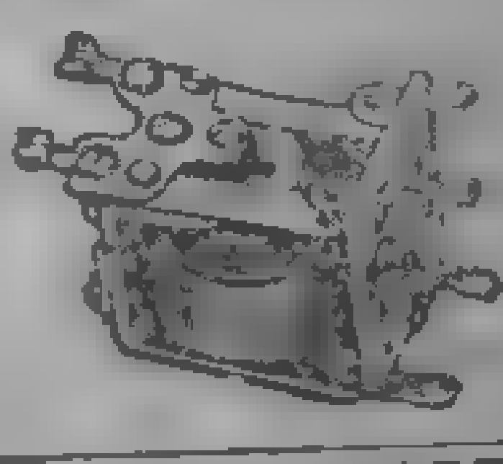
Stock No.	Mfr's Type	Ohms	Volts	NET
75 P 645	CB 1C 115A	280	115 v. AC	12.15
76 P 254	CB 1C2C 115A	280	115 v. AC	13.25
76 P 250	CB 1C 6VD	18	6 v. DC	12.00
76 P 252	CB 1C2C 6VD	18	6 v. DC	13.00
76 P 917	CB 1C 12VD	70	12 v. DC	12.00
76 P 918	CB 1C2C 12VD	70	12 v. DC	13.00
76 P 919	CB/1C/24VD	280	24 v. DC	12.00
76 P 920	CB 1C2C 24VD	280	24 v. DC	13.00

TYPE SO RELAYS

Extremely sensitive, adjustable, SPDT DC relays. Miniature size permits use in extremely small spaces. Excellent for transistor applications. Feature sensitivity and versatility equal to relays costing three times as much. Standard adjustment is 10 mw, can be adjusted to as low as 2 mw. Maximum coil rating 3 watts. Contacts rated 1.5 amps, 28 v. DC., 115 v. AC resistive. Overall size, 1³⁄₁₆x1⅛x1¼". Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Ohms	Ma	NET
76 P 890	SO 1C 1000D	1000	6.2	5.45
76 P 261	SO 1C/4000D	4000	3.2	5.85
76 P 262	SO 1C 6500D	6500	2.5	6.35
76 P 263	SO 1C 10,000D	10,000	2.0	6.70

TYPE AM RELAYS

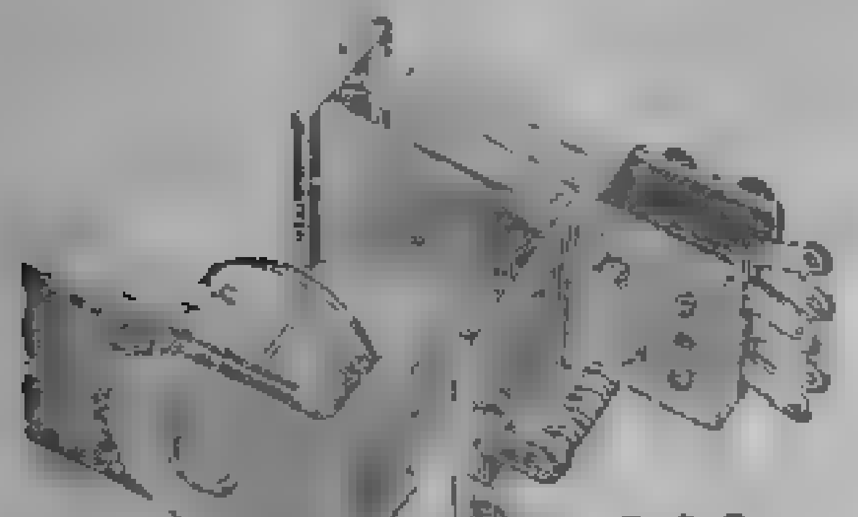


Compact "transmit-receive" antenna relays. For low power RF use. DPDT silver contacts rated 2 amps at 115 VAC or 6.5 VDC resistive. Mounting stud. Size, 1⁹⁄₁₆x1⁵⁄₁₆x1¹⁵⁄₁₆". Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Volts	NET
76 P 624	AM/2C 6VA	6 v. AC	4.70
76 P 625	AM 2C, 6VD	6 v. DC	4.20
76 P 626	AM 2C 12VD	12 v. DC	4.20
75 P 644	AM 2C/115VA	115 v. AC	5.05

Guardian, Dow-Key and Amperite Relays

GUARDIAN RELAYS AND SOLENOIDS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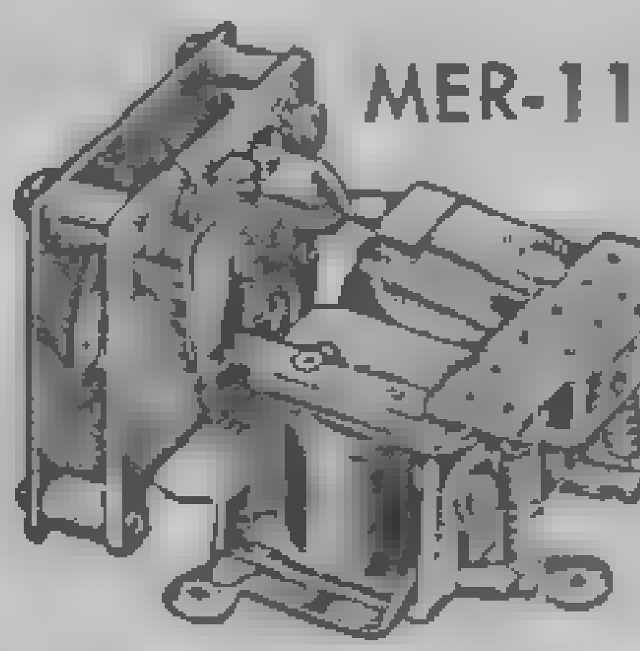
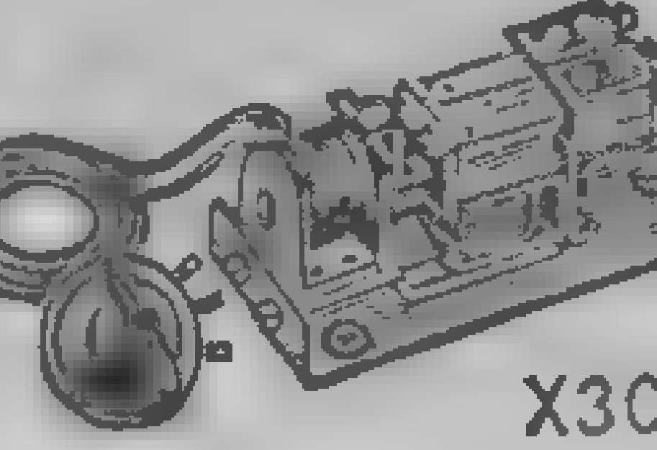
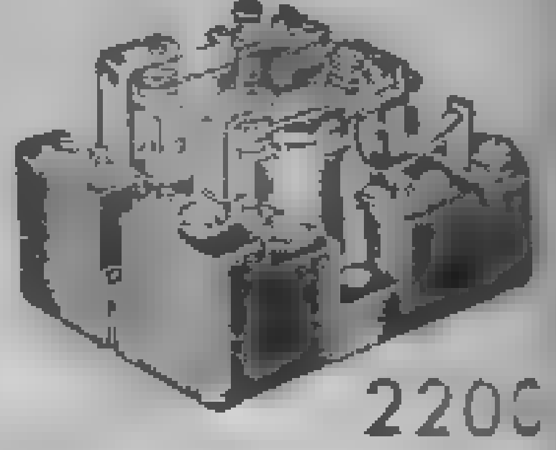
RC-100


MER-115


X300-ER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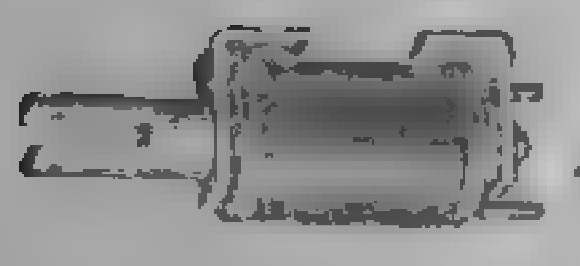
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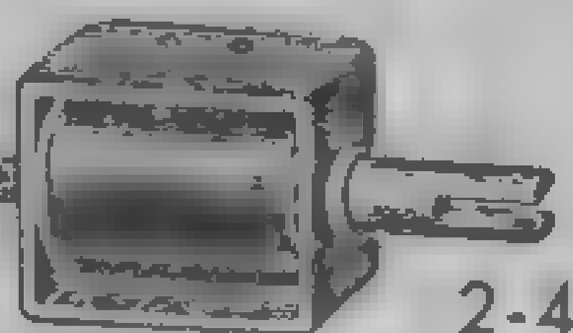
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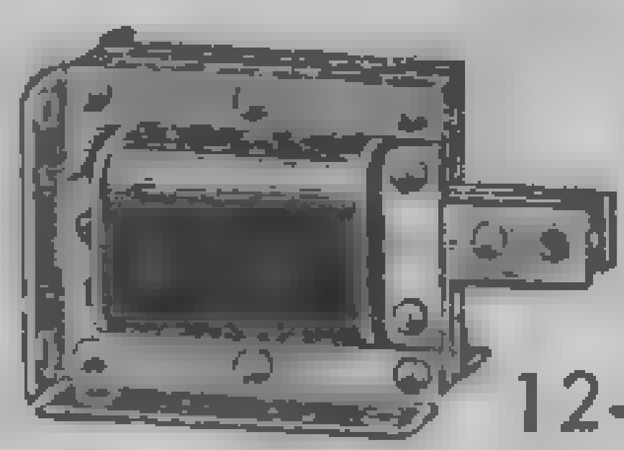
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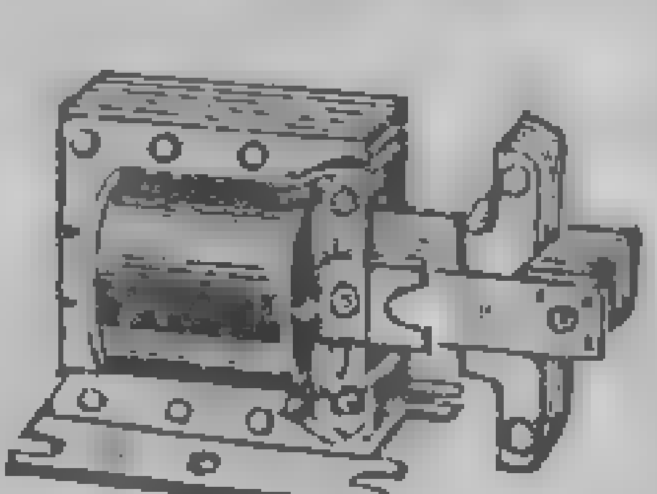

16-1

ALLIED CAN SUPPLY THE COMPLETE GUARDIAN LINE. Only the most widely used Guardian relays are shown on this page. Contact us for prices and other information on any types not listed—you will receive a prompt reply to your inquiry.

UNIVERSAL "200" SERIES

Universal interchangeable parts for assembling custom relays. Listings include AC, DC, and plate coils, and switch contact assemblies. Complete relay requires one coil and one contact assembly. For additional contacts use the contact switch parts kit. Contact ratings given are at 115 v. 60 cycle AC, non-inductive load. Use two 6-32 screws for mounting. Overall size: With standard contact assembly 2⅞x1⅛x1¾"; midget contact assembly, 2 1/16x1⅛x1½". Av. shpg. wt., 4 oz.

AC Coils			DC Coils		
Stock No.	**Volts**	**NET**	**Stock No.**	**Volts**	**NET**
75 P 709	6	1.75	**75 P 713**	6	1.90
75 P 710	12	1.75	**75 P 714**	12	1.90
75 P 711	24	1.75	**75 P 715**	24	1.90
75 P 712	115	2.05	**75 P 716**	32	1.90
75 P 888	230	2.70	**75 P 717**	110	2.50

75 P 779. Type 200-5000 D. 5000-ohm plate coil. **EACH**......2.20

SERIES 200 SWITCH CONTACT ASSEMBLIES

Stock No.	Type	Description	NET
75 P 707	200-1	SPDT contact assembly. 8 amps.	1.50
75 P 708	200-2	DPDT contact assembly. 8 amps.	2.00
75 P 724	200-4	DPDT contact assembly. 12.5 amps.	2.25
75 P 889	200-5	4PDT contact assembly. 8 amps.	3.50
75 P 718	200-M1	SPDT midget contact assembly. 8 amps.	1.40
75 P 719	200-M2	DPDT midget contact assembly. 8 amps.	1.75
75 P 826	200-M5	4PDT midget contact assembly. 8 amps.	2.85

Type 200-M3. Switch parts kit—adds up to 2 poles to 200-M1, 200-M2.
75 P 725. NET...1.50

Type 200-3. Switch parts kit—adds up to 2 poles to 200-1, 200 2.
75 P 730. NET...1.50

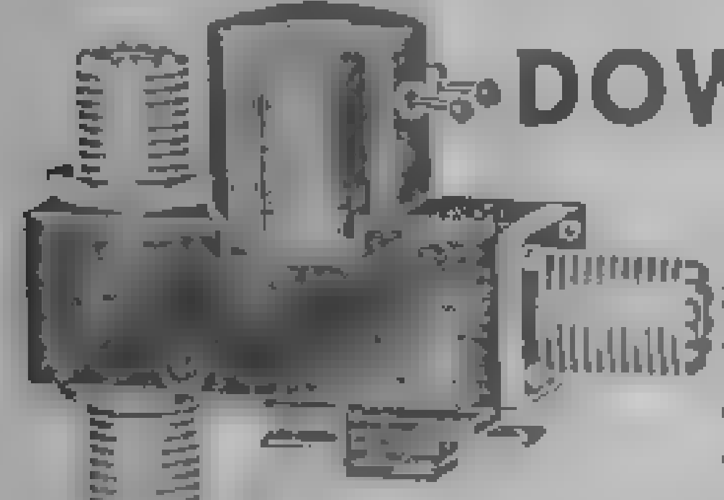
IMPULSE RATCHET RELAYS

For break-in control; phone to CW switching etc. Momentary coil energization locks contacts. Each impulse reverses contacts. ¼" silver contacts rated 12.5 amps; handle 1500-watt non-inductive load; 1000-watt inductive load, at 60 cycle AC. Size, 1⅞x2 3/16x3¼". Av. shpg. wt., 8 oz.

Stock No.	Type	Contacts	Volts	NET
75 P 727	RC-100-AR	4PST	115	6.00
75 P 827	RC-100-BR	SPDT & DPST	115	6.25
76 P 322	RC-100-CR	SPDT	115	5.75
75 P 887	RC-100-GR	DPDT	115	5.85

X300-ER OVERLOAD RELAY

Protects against surges or overload. Has remote electrical reset and overload adjustment. Adjustable from 250-750 ma, DC. 3000 v. insulation. Auxiliary contacts for pilot light indicates "overload" or "clear" position. For industrial panel installation for remote protection of machines and replacing fuses. Contacts rated 1500 w. non-inductive; 1 kw inductive, at 115 v. 60 cycles. 2000 v. insulation. 4¾x1 5/16x2". 1¼ lbs.
75 P 640. NET...8.85



DOW-KEY COAX ANTENNA RELAYS

Type DK60-G. New, lightweight, compactly designed antenna relays. Magnet provides high contact pressure—prevents intermittent failure in closing receiver circuit. Patented receiver protection connector provides shield between receiver and transmitter line greater than 100 db. Has silver contacts rated at 1000 watts; breakdown voltage rated over 1000 volts rms. Low VSWR—less than 1.15:1 from 0 to 500 mc. Weighs less than 9 oz. Size, 2¾x3¾x1⅛". Shpg. wt., 11 oz.
75 P 955. For 110 v. AC. **NET**...13.70
75 P 953. For 6 v. DC. **NET**...13.70
75 P 958. For 12 v. DC. **NET**...13.70

DK60-DPDT Switch. Auxiliary DPDT switch. Mounts externally on DK60-G relay above; is actuated by built-in plunger in relay. 2 oz.
75 P 843. NET...1.95

Type DKF-2 Connector. Double male. Mounts relays directly to output of transmitter. Heavy silver plating. For indoor use. Locking type. Shpg. wt., 3 oz.
75 P 946. NET...1.25

12VDC Coil. Model DK60-M. 12 volt relay coil for converting DK60-G 6 volt DC relay or DK60-G 110 volt AC relays for 12 volt DC use. Ideal for 12 v. automotive systems. Shpg. wt., 3 oz.
75 P 947. NET...2.90

2200 AND 2210 POWER RELAYS

Heavy-duty power relays for motor starting, heater loads and ot heavy-duty uses. Series 2200 are DPDT; Series 2210 are DPST, norm open. All have contacts rated at 25 amps, continuous duty, 230 v. with 75% power factor load. Operating power requirement, 9.5 va; c drain, approx. .080 amps at 115 v., 60 cycles. Size: Series 2200, 3⅜x2 2 3/16"; Series 2210, 2 11/16x2½x2 3/16". Av. shpg. wt., relays, 12 oz.

Volts AC	2200 Relays		Volts AC	2210 Relays	
	Stock No.	**NET EACH**		**Stock No.**	**NET EACH**
6	**75 P 083**	6.10	6	**75 P 185**	5.25
24	**75 P 084**	6.10	24	**75 P 186**	5.25
115	**75 P 085**	6.10	115	**75 P 187**	5.25
230	**75 P 086**	6.50	230	**75 P 188**	5.6

CS-2200. Switch Parts. Switch assemblies for 2200 relays only "L or "right" means as viewed at armature end, contacts up. Wt., 4 oz.
75 P 563. Left Assembly. **NET**...1.8
75 P 564. Right Assembly. **NET**...1.

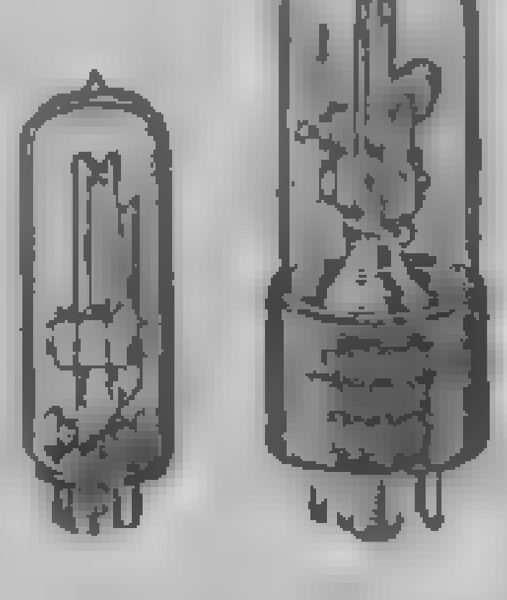
1-18 SERIES INDUSTRIAL SOLENOIDS

Intermittent-duty types are for applications not requiring energization coil for more than 5 consecutive minutes with sufficient time betw cycles for cooling. Should not be permitted to rise more than 85°C abo 24°C ambient without sufficient time to cool. Continuous duty types not rise more than 85°C above the 24°C ambient temperature wh operated at rated load. *Intermittent Type. †Continuous Type.

Stock No.	Type	Volts	Stroke	Lift Oz.	Size	Lbs.	NE
7[illegible]90	1A*	115AC	⅛-½"	8	1 1/16x1¾x15/16"	¼	2.
75 P 891	1A†	115AC	⅛ ½"	3	1 1/16x1¾x15/16"	¼	2.
75 P 154	2*	115AC	⅛-⅞"	27	1⅝x1 9/16x1 7/16"	¾	3.
75 P 155	2†	115AC	⅛ ⅞"	10½	1⅝x1 9/16x1 7/16"	¾	3.
75 P 892	4*	115AC	⅛-1⅛"	24	1⅝x2x1 7/16"	1	3.
75 P 893	4†	115AC	⅛ 1⅛"	6	1⅝x2x1 7/16"	1	3.
75 P 828	12*	115AC	⅛-1"	32	1 7/16x1⅝x1 9/16"	½	4.
75 P 829	12†	115AC	⅛-1"	22	1 7/16x1⅝x1 9/16"	½	4
75 P 595	11*	6DC	⅛-1"	39	1 3/16x1 5/16x1 27/32"	½	2.
76 P 318	11†	6DC	⅛-1"	21	1 3/16x1 5/16x1 27/32"	½	2
75 P 596	11*	24DC	⅛-1"	39	1 3/16x1 5/16x1 27/32"	½	2
76 P 319	11†	24DC	⅛ 1"	21	1 3/16x1 5/16x1 27/32"	½	2
75 P 894	14*	115AC	⅛-1½"	110	2 1/16x2 7/16x1⅞"	1¼	5.
75 P 895	14†	115AC	⅛ 1½"	65	2 1/16x2 7/16x1⅞"	1¼	5.
75 P 156	16*	115AC	⅛-¾"	96	1 7/16x1⅝x1⅛"	½	3.
75 P 885	16†	115AC	⅛-⅝"	60	1 7/16x1⅝x1⅛"	½	3.
76 P 320	16†	230AC	⅛ ⅝"	60	1 7/16x1⅝x1⅛"	½	3
75 P 157	18*	115AC	⅛-1"	304	2 1/16x2½x1 13/16"	1	4.
75 P 886	18†	115AC	⅛-1"	145	2 1/16x2½x1 13/16"	1	4.
76 P 321	18†	230AC	⅛-1"	145	2 1/16x2½x1 13/16"	1	4.

MER-115 MIDGET STEPPING RELAY

Electrical-reset stepping relay with 21 active positions; resets from e ternal control or own contacts. Contacts rated 1 amp at 115 v., 60 c non-inductive. Stepping and reset coils 115 v., 60 cycle AC. Minim set pulse, 50 ms; reset, 10 ms. Recommended for experimental purpose original equipment, or replacement. 3¼x2 5/16x3¼". Wt., 13 oz.
75 P 282. NET EACH...14.0



AMPERITE DELAY RELAYS

Hermetically sealed in glass envelope with octal b Heater draws 2 watts and may be operated conti ously. Contacts: SPST. 3 amps at 115 v. AC, 1 a at 220 v. AC. Voltage Breakdown: Contacts, 1000 v Heater-to-Contact, 1500 v., except* 250 v. and v. for delays of 10 sec. or less. Ambient temperat from −55° to +70° C. Size, Dia., 1 9/16"; Height le prongs, 2⅞". Av. shpg. wt., 4 oz. *Be sure to specify t number as well as stock number.*

Delay Seconds	Type No. Normally Open		Type No. Normally Clos	
	6.3 v. AC-DC	**115 v. AC-DC**	**6.3 v. AC-DC**	**115 v. AC-D**
2*	6N02	115N02	6C2	115C2
5*	6N05	115N05	6C5	115C5
10*	6N010	115N010	6C10	115C10
15	6N015	115N015	6C15	115C15
20	6N020	115N020	6C20	115C20
30	6N030	115N030	6C30	115C30
45	6N045	115N045	6C45	115C45
60	6N060	115N060	6C60	115C60
75	6N075	115N075	6C75	115C75
90	6N090	115N090	6C90	115C90
120	6N0120	115N0120	6C120	115C120
150	6N0150	115N0150	6C150	115C150
180	6N0180	115N0180	6C180	115C180

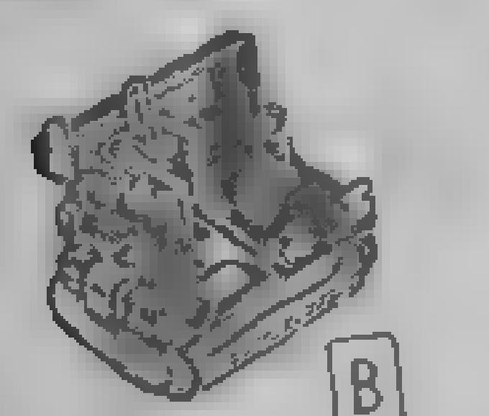
75 PP 295. NET EACH...2.3

Miniature Relays. All types above also available in miniature size except 115C150, 115C180, 115NO150, 115NO180. 9-pin, ¾x2⅝". Shpg. wt., 3 oz. *Specify type no., adding letter "T" following type number Example: 6NO2T.*
75 PP 296. NET EACH...2.3

Relays, Counters and Motors

SENSITIVE SIGMA RELAYS

Ruggedly Built
For Long Service



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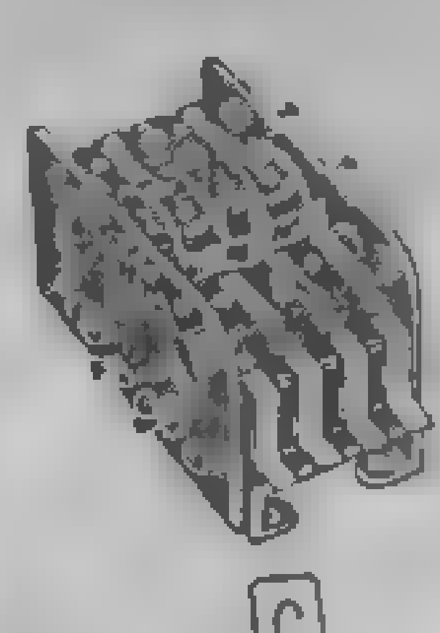

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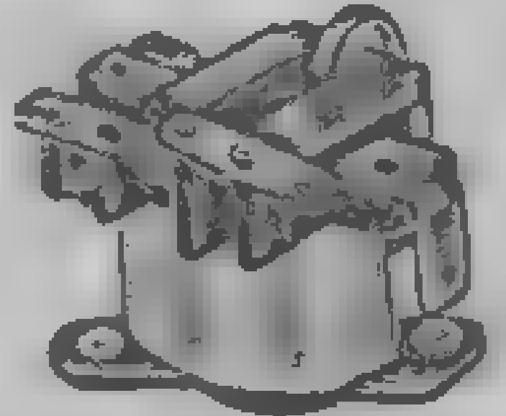

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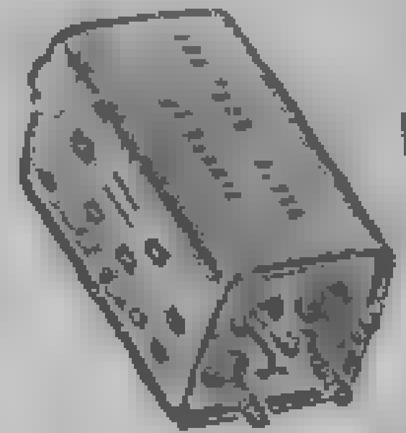

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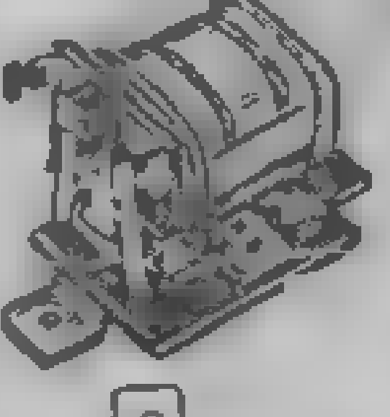

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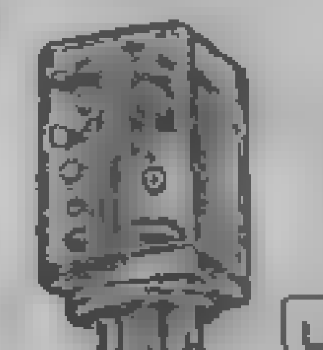

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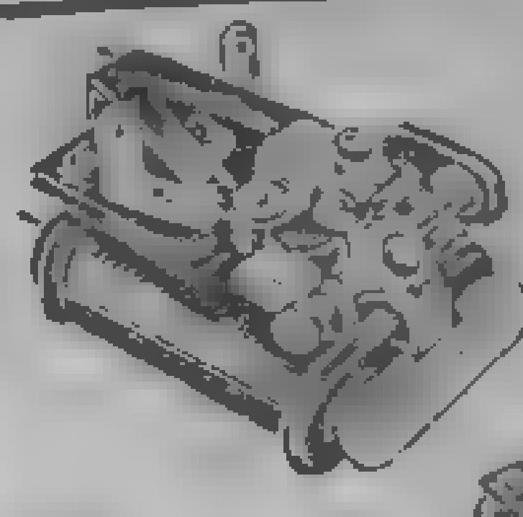

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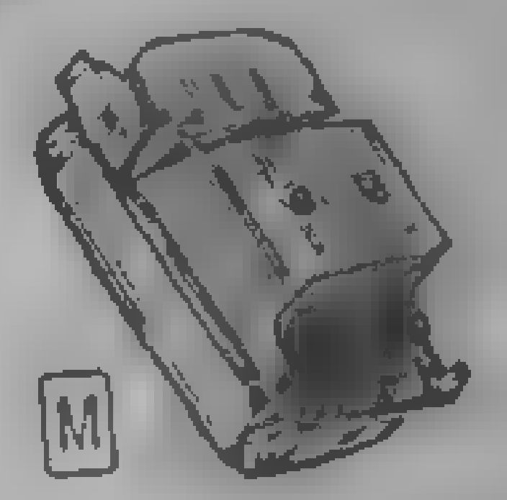


M

Type 4F. Plate circuit relay for any 20 w. sensitivity application. SPDT con- ated 2 amps. 1½x1⅝x1 5/16". 3 oz.

ck	Mfr's Type	Ohms	Ma. DC	NET
377	4F-1000-S/SIL	1000	4 5	6.05
378	4F-2500-S/SIL	2500	3 0	6.05
379	4F-5000-S/SIL	5000	2 0	6.35
285	4F-8000-S/SIL	8000	1.6	6.60

ype 5F. Rugged SPDT, DC relay with- ds 100 G shock. 5 mw. sensitivity. Con- ated 1 amp. 1¾x1 5/16x1 11/16". 5 oz.

380	5F-1000-S/SIL	1000	2.3	8.25
381	5F-2500-S/SIL	2500	1.4	8.25
382	5F-5000-S/SIL	5000	1.0	8.80
383	5F-10,000-S/SIL	10,000	0.7	9.65

Series 6. 3-position, null center. 2 sets PST 5 amp contacts. GD in Type No. in- dual coil. 1⅞x3 1/16x1⅞". 12 oz.

	Type	Ohms	Ma.DC	NET
	6FX2A2A-5000G/SIL	5000	1.9	29.90
	6FX2A2A-10,000G/SIL	10,000	1.5	30.50
	6FX2A2A-2500GD/SIL	2.5K/2.5K	4.2	30.75
	6FX2A2A-5000GD/SIL	5K/5K	3.0	31.60

ype 11F. Small, low-cost DC relay. 50 sensitivity; SPDT contacts rated 1 1 5/16x1 5/16x1" high. Shpg. wt., 3 oz.

P 068	11F-1000-G/SIL	1000	7.0	1.75
P 069	11F-2300-G/SIL	2300	4.6	1.75
P 074	11F-6000-G/SIL	6000	2.9	1.95
P 075	11F 9000 G/SIL	9000	2 4	2.15

ype 11FZ. Small, low cost AC relay for positive on-off operation. SPDT contacts 1 amp at 120 V. AC. 1x1 5/16x1 5/16". 3 oz.

	Mfr's Type	Ohms	V. AC	NET
547	11FZ-25 ACS/SIL	25	6	2.50
548	11FZ-150-ACS/SIL	150	12	2.50
549	11FZ-550-ACS/SIL	550	24	2.50
568	11FZ-9000-ACS/SIL	9000	120	2.95

E **Series 22.** Miniature hermetically-sealed relay. Silver contacts rated 2 amps for 28 V. DC or 120 V. AC resistive load. SPDT action at 20 mw sensitivity, except *DPDT at 40 mw. 1¾x1x1". Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Ohms	Ma. DC	NET
76 P 384	22RJC-1000-G/SIL	1000	4.5	13.00
76 P 385	22RJC-2500-G/SIL	2500	2.8	13.50
76 P 386	22RJC-5000-G/SIL	5000	2.0	14.00
76 P 387	22RJC-8000-G/SIL	8000	1.6	14.50
76 P 388	22RJCC-1000-G/SIL*	1000	6.3	14.50
76 P 389	22RJCC-2500-G/SIL*	2500	4.0	15.00
76 P 390	22RJCC-5000-G/SIL*	5000	2.8	15.50
76 P 391	22RJCC-8000-G/SIL*	8000	2.3	16.00

F **Series 26.** SPDT plate circuit relay. Type CDS extremely rugged; S, sensitive, G, stable. 4-10 mw. sensitivity. Contacts rated 0.5-2 amps. 1x1⅞x1¼" high. Wt., 4 oz.

Stock No.	Mfr's Type	Ohms	Ma. DC	NET
76 P 904	26F-1000-S/SIL	1000	2 3	7.80
76 P 905	26F-8000-CDS/SIL	8000	0.7	9.55
76 P 906	26F-12000-G/SIL	12,000	0.9	10.80

G **Series 41.** Quiet, sensitive relay. SPDT contacts rated: *2; †5 amps. Sensitivity, 40 mw, DC; 0.2 VA, AC. 2¼x1¼x1 5/16". 3 oz.

Stock No.	Mfr's Type	Volts (AC) Ohms (DC)	Ma. (DC)	NET
75 P 076	41FZ-10-ACG/SIL	6 v. †	.	3.50
76 P 392	41FZ-35-ACS/SIL	6 v. *	.	4.00
75 P 077	41FZ 200 ACG/SIL	24 v. †	.	3.50
76 P 393	41FZ-500-ACS/SIL	24 v. *	.	4.00
75 P 078	41FZ-5000-ACG/SIL	115 v.†	.	3.65
76 P 394	41FZ-10000-ACS/SIL	115 v *	.	4.45
75 P 079	41FZ-12000-ACG/SIL	230 v †	.	4.15
76 P 395	41F-5-S/SIL	5 ohms	90	3.85
76 P 396	41F-50-S/SIL	50 ohms	30	3.85
76 P 397	41F-200 S/SIL	200 ohms	15	3.85
76 P 398	41F-1000 S/SIL	1K ohms	6.5	3.85
76 P 399	41F-5000 S/SIL	5K ohms	3 0	4.00
76 P 400	41F 10000 S/SIL	10K ohms	2 0	4.25

H **Series 42.** DPDT relay with octal plug-in base and dust cover. Operating power is under 0.25 watt on DC and under 0.5 volt-amp on AC. Silver contacts rated 5 amps at 28 V. DC or 115 V. AC for 100,000 operations. AC units are designed for 60 cycle operation. Z in Type No. indicates for AC. Pin connections are on cover. 2 1/16x1 5/16x1 5/16". Shpg. wt., 4 oz.

No.	Type	V/Ohms	Ma.	NET
76 P 401	42ROZ-8-ACG/SIL	6 VAC	....	6.20
76 P 914	42ROZ-25-ACS/SIL	6 VAC	....	7.15
76 P 403	42ROZ-200-ACG/SIL	24 VAC	....	6.20
76 P 908	42ROZ-340-ACS/SIL	24 VAC	....	7.15
76 P 404	42ROZ-4000-ACG/SIL	120 VAC	....	6.20
76 P 907	42ROZ-7000-ACS/SIL	90 VAC	....	7.35
76 P 406	42RO-5-G/SIL	5 ohms	200	6.20
76 P 407	42RO-50-G/SIL	50 ohms	65	6.20
76 P 408	42RO-200-G/SIL	200 ohms	32	6.20
76 P 409	42RO-1000-G/SIL	1K ohms	14	6.20
76 P 410	42RO-5000-G/SIL	5K ohms	6.5	6.40
76 P 411	42RO-10000-G/SIL	10K ohms	4.5	6.60

J **51FB-5000G/SIL.** 5000 ohm, SPST normally closed, DC relay. 10 amp. double-break contacts. 4.5 ma DC. 1 13/16x1⅜x1 5/16". 4 oz.
76 P 909. NET EACH 10.20

K **Series 61.** Magnetic latching power relay. Switches on momentary signal of proper polarity. Has 2 sets 20 amp DPST contacts. 1 set normally open, other closed. 3½x2 3/16x2 3/16". 12 oz.

Stock No.	Mfr's Type	Trip	Coil	NET
76 P 910	61FZ2A2B-10000G/SC	50 VDC	Single	23.75
76 P 911	61FZ2A2B-10000GD/SC	72 VDC	Dual	26.25

L **Series 72.** Magnetic latching relay. Will switch 500 pulses per second. SPDT .06 amp contacts. Require 50 VDC. 1 7/16x2⅝". 5 oz.

Stock No	Mfr's Type	Trip Ma.	NET
76 P 912	72AOZ-160TS/TCP	1.4	33.00
76 P 913	72AOZ-160TG/TCP	3.6	33.00

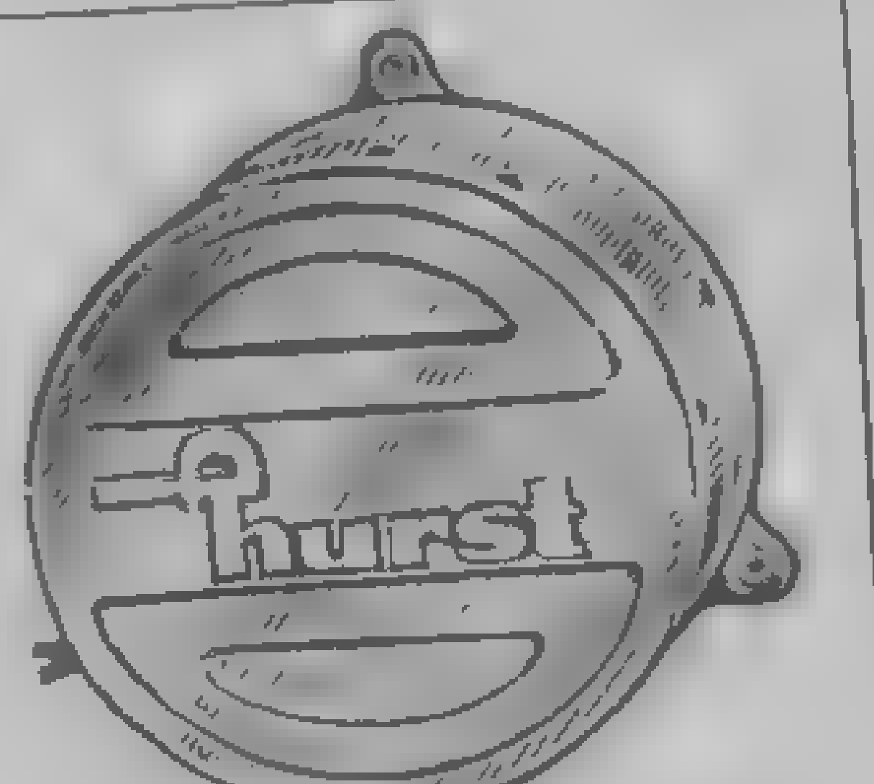
M **26F-8000-CDS/PAL Relay.** Similar to 4F series relay but more efficient. SPDT, contacts rated 0.5 amp @ 28 v. DC or 115 v. AC. 8000 ohm coil. Operating current, 0.7 ma. 7 oz.
75 P 284. NET 9.75

IT & T (FEDERAL) CONTACT PROTECTORS

y effective protection for relay contacts controlling inductive s. Suppress arcing and RF transients—eliminate the costly prob- contact erosion, created by arcing across contact points. For AC or DC circuits; have negligible effect on circuit operation. sist of selenium rectifier cells back-to-back in a small tubular case. inductive loads being operated up to 40 times per second. Have ail leads. Letter P in Type No. indicates paper, letter H in Type No. cates hermetically sealed. Shpg. wt., 6 oz.

ock No.	Mfr's Type	Max. Volts	Max. Ma.	Min. Volts	Size	NET EACH
P 323	8A2PS2	52 AC	200	27 AC	35/64x¾"	1.08
P 324	15A2PS2	52 AC	400	27 AC	½x¾"	1.14
P 326	8A5PS5	130 AC	200	105 AC	35/64x15/16"	1.42
P 327	15A5PS5	130 AC	400	105 AC	½x15/16"	1.58
P 328	8A2PS1	44 DC	200	23 DC	25/64x¾"	.90
P 329	8A2HS1	44 DC	200	23 DC	33/64x1 1/32"	2.30
P 330	15A2PS1	44 DC	500	23 DC	½x¾"	.94
P 331	15A2HS1	44 DC	500	23 DC	3/64x1 1/32"	2.34
P 332	8A3PS2	66 DC	250	45 DC	25/64x¾"	1.08
P 325	15A3PS2	66 DC	500	45 DC	½x¾"	1.14

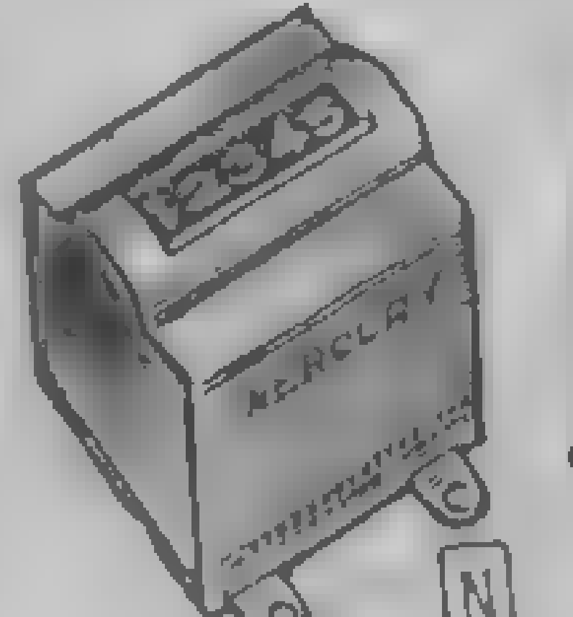
HURST MOTORS



act, heavy-duty synchronous motors ntinuous timing applications. For use m systems, clocks, etc. Excellent shock bration resistance. Designed for con- s duty without overheating. SM series not overheat even in a stalled position. inch-ounces of torque at 1 RPM. Clock- rotation. Start instantly at full torque. f series is similar but instantly reversible has 80 inch-ounces of torque. If other s than those listed are desired, write for mation. Size, 2½x1¾". Shaft, 3/16" dia. long. Power drain: 7 watts. For 110- 60 cycle AC. Shpg. wt., 1 lb.

Stock No.	Mfr's Type	Output Speed	NET EA.	Stock No.	Mfr's Type	Output Speed	NET EA.
P 571	SM-1	1 RPM	8.10	76 P 677	RSM-1	1 RPM	9.60
P 572	SM-4	4 RPM		76 P 678	RSM-4	4 RPM	
P 573	SM-6	6 RPM		76 P 679	RSM-6	6 RPM	
P 574	SM-10	10 RPM		76 P 680	RSM-10	10 RPM	
P [illegible]	SM-30	30 RPM		76 P 681	RSM-30	30 RPM	
P 577	SM-60	60 RPM		76 P 682	RSM-60	60 RPM	

PRODUCTION INSTRUMENT COUNTERS



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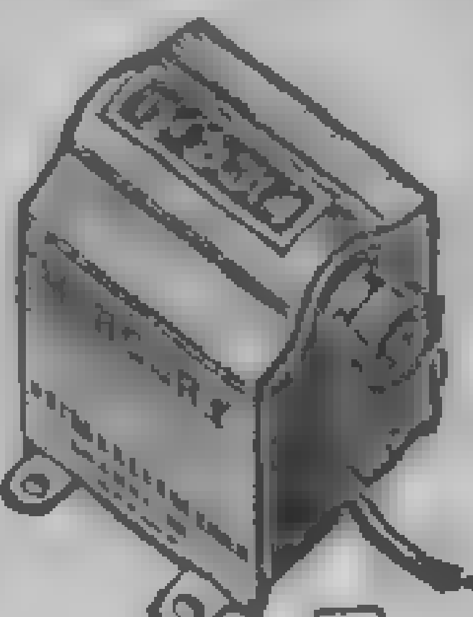

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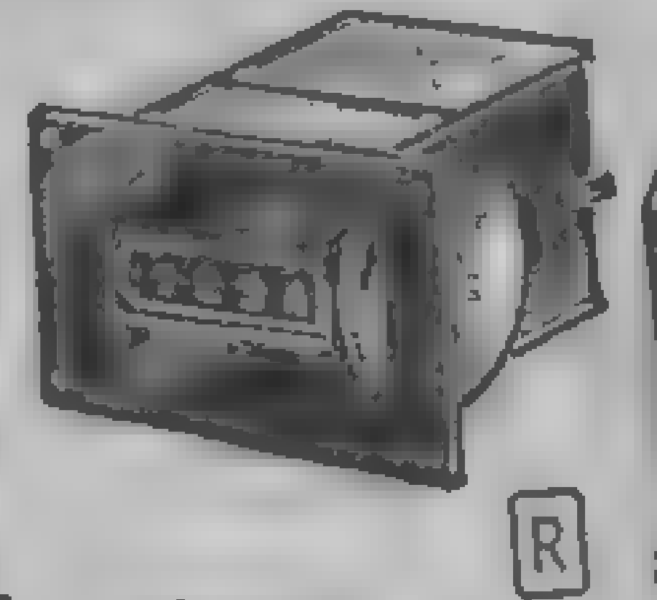
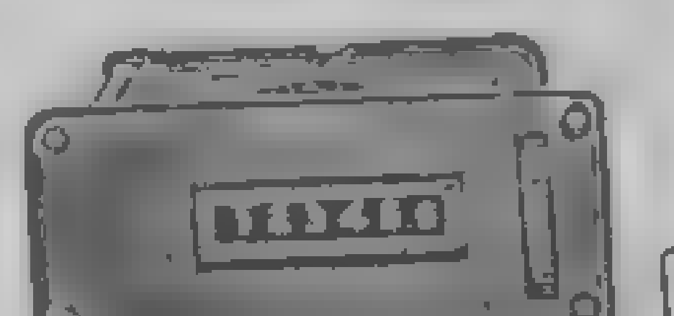


R

W

For Heavy Duty Use



S

T

High-quality electric counters for commercial and industrial applications. For 60-cycle operation.

Prefix CE-4. Small counters for coin-operated equipment and light to moderate-duty industrial applications. Minimum make time 0.04 sec., break time 0.06 sec. Rated at 600 CPM. Enclosed in tamper-proof case. Reset units count to 4 digits, non-reset to 5. Shpg. wt., 1 lb.

Prefix CE-6. Small counters for general industrial applications. Have minimum make and break time of 0.030 sec. Enclosed in dust-resistant housing. Rated at 1000 CPM, 50-million count life. Have continuous-duty coils. 6 digits. Shpg. wt., 1 lb.

Prefix CE-8. Heavy-duty counter. For use on drill presses, punch presses, etc. Min. make and break duration, 0.03 sec. 1000 CPM. Tamper-proof aluminum case. 6 digits. Continuous duty coils. 5 lbs.

RESET TYPES

No.	Type	Fig	V. AC	Size	Mount	Mtg. Ctrs.	NET
77 P 099	CE-40BS401	R	24	1 15/16x2 13/16x2 13/32"	Panel	1 9/16x2 7/16"	14.75
77 P 049	CE-40BS402	R	120	1 15/16x2 13/16x2 13/32"	Panel	1 9/16x2 7/16"	14.75
77 P 043	CE-40AS402	P	120	2 13/32x1 23/32x2¼"	Base	1⅛x1 15/16"	14.00
77 P 236	CE-600AS601	T	24	2½x1 1/64x3½"	Base	3 15/64x1 23/64"	19.50
77 P 237	CE-600AS602	T	120	2½x1 1/64x3½"	Base	3 15/64x1 23/64"	19.50
77 P 238	CE-600BS601	S	24	2 13/16x1⅞x4 7/16"	Panel	4 1/16x1½"	20.85
77 P 239	CE-600BS602	S	120	2 13/16x1⅞x4 7/16"	Panel	4 1/16x1½"	20.85
77 P 298	CE-800CS602	W	120	4 11/16x3⅛x5 11/16"	Base	5¼x2½"	43.00

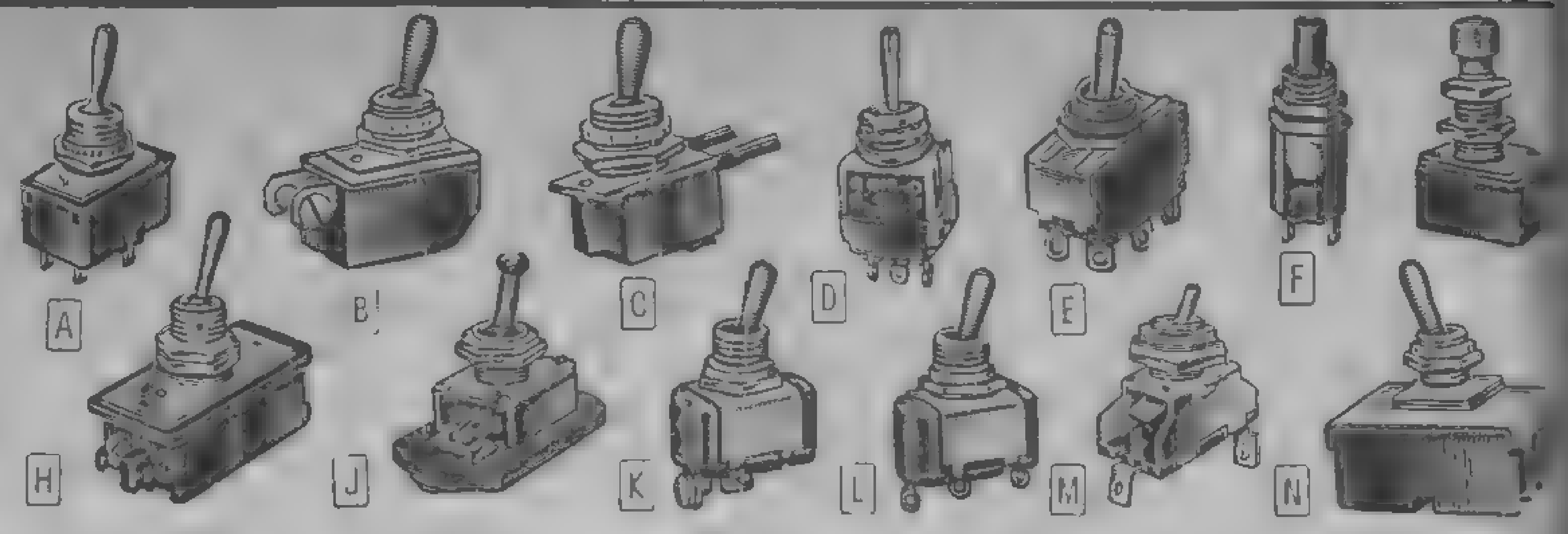
NON-RESET TYPES

77 P 033	CE-40AN502	N	120	2 13/32x1 23/32x2¼"	Base	1⅛x1 15/16"	4.75

Cutler-Hammer Switches

COMPLETE STOCKS OF SELECTED SWITCHES

A wide selection of finest quality, famous-name switches for replacement use, or for the experimenter or hobbyist. Allied can make immediate delivery, in quantity, from the most extensive stocks in the country.



STANDARD AC-DC TYPES

Light-duty toggle switches featuring exceptionally small size and unusually high ratings. Ideal for small motor loads, radios and many other similar applications. Quick make and break contacts are suitable for AC or DC use. Units are designed for convenient one hole mounting on panels, housings and other flat surfaces of machines and appliances.

Contacts are totally enclosed in an insulating black bakelite case. All have 15/32" diameter threaded stem. *Indicates 6" wire leads; †screw terminals. 7140-K6 is center-off type; rated 10 amps at 24 volts, DC. All switches shown in table below are U.L. Approved except § which is military type JAN-S-23, series ST52; also rated 30 amps at 28 v. DC. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	Fig.	Amperes		Stem Length	NET EACH	
				125V	250V		1-9	10-Up
34 B 500	8280-K16	SPST	A	.....	3	15/32"	.52	.43
34 B 527	8280-K14	SPST	A	.....	3	1/4"	.52	.43
34 B 508	8381-K8	SPST	A	6	3	15/32"	.60	.50
34 B 501	8282-K14	SPDT	A	3	1	15/32"	.66	.55
34 B 528	8282-K12	SPDT	A	3	1	1/4"	.66	.55
34 B 522	7140-K6	SPDT	J	3	.....	11/32"	.47	.45
34 B 502	8360-K7	DPST	A	.....	3	15/32"	.95	.79
34 B 529	8360-K6	DPST	A	.....	3	1/4"	.95	.79
34 B 530	8363-K6	DPDT	A	.....	3	1/4"	1.09	.91
34 B 503	8363-K7	DPDT	A	.....	3	15/32"	1.09	.91
34 B 749	8280-K15	SPST	A	.....	3	11/32"	.52	.43
34 B 783	8290-K15*	SPST	C	.....	3	11/32"	.64	.52
34 B 784	8290-K16*	SPST	C	.....	3	15/32"	.64	.52
34 B 785	8295-K7†	SPST	B	.....	3	15/32"	.64	.52
34 B 786	8295-K8†	SPST	B	.....	3	15/32"	.64	.52
34 B 787	8381-K7	SPST	A	6	3	11/32"	.60	.50
34 B 788	8391-K7*	SPST	C	6	3	11/32"	72c	59c
34 B 789	8391-K8*	SPST	C	6	3	15/32"		
34 B 791	8396-K8†	SPST	B	6	3	15/32"		
34 B 792	8370-K7	DPST	A	6	3	15/32"	1.02	.85
34 B 632	8373-K7	DPDT	A	6	3	15/32"	1.18	.97
34 B 794	8373-K8	DPDT	A	6	3	11/32"	1.18	.97
34 B 795	8375-K7†	DPDT	....	6	3	15/32"	1.51	1.24
34 B 555	8825-K5§	DPDT	E	20	.....	15/32"	1.27	1.05

MINIATURE AC-DC TYPES

D Miniature, 2 and 3-position, single and double-pole switches for AC or DC use. Designed for aircraft, missile and electronics applications. These precision made switches have gold-plated contacts that open and close with a wiping action for good contact even on low-energy circuits.

Contact bounce is extremely low. Sealed lever and panel permit long-life and reliable operation under adverse weather conditions. Exceptionally strong return springs assure positive momentary action. All types are rated 2 amps at 28 volts, DC; 1 amp at 50 volts, DC; 2 amps at 115 volts, AC. Feature extremely light weight: *single-pole types (others are double-pole) weigh only 5 grams; double-pole types weigh 6.5 grams. All have 1/4" diameter threaded stem, 7/16" long. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description			NET EACH	
		Opp. Keyed Side	Ctr.	Keyed Side	1-9	10-Up
35 B 528	8866K1*	On	Off	On	4.56	3.72
35 B 529	8866K4*	On	None	On	4.56	3.72
35 B 530	8866K5*	On	Off	None	4.56	3.72
35 B 531	8866K6*	None	Off	Mom.-On	5.14	4.20
35 B 532	8866K7*	On	None	Off	4.56	3.72
35 B 533	8867K1	On	Off	On	5.70	4.66
35 B 534	8867K4	On	None	On	5.70	4.66
35 B 535	8867K5	On	Off	None	5.70	4.66
35 B 536	8857K6	None	Off	Mom.-On	6.65	5.42
35 B 537	8867K7	On	None	Off	5.70	4.66

PUSH-BUTTON AC-DC TYPE

F Push button type switches to control current by opening or closing door. Automatically turn lights on and off in refrigerators, telephone booths, closets, vaults, etc. Momentary contact type. Solder lug terminals. Normally-open type is "on" with door closed; normally-closed type is "on" with door open. Have 15/32" stem length and black button, except 8411-K6 has 1/4" stem, red button; § 11/16" stem, push push type (Fig. G). U.L. Approved. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	Amperes		NET EACH	
			125 V	250 V	1-9	10-Up
34 B 519	7208-K4§	SPST	6	3	81¢	68¢
34 B 548	8411-K4	SPST-N.O.	.75	.25	36¢	32¢
34 B 631	8411-K6	SPST-N.O.	.75	.25	36¢	32¢
34 B 547	8411-K8	SPST-N.C.	.75	.25	25¢	21¢
34 B 549	8440 K2	SPST-N.O.	3	1	73¢	61¢

Type 7196-K1 Momentary Type Normally Open Switch. (Not illustrated). SPST action. Rated at 3 amps, 250 volts AC or DC; 6 amps, 125 volts AC or DC. With screw terminals. Threaded stem diameter, 15/32"; stem length, 1/2". U.L. Approved. Shpg. wt., 4 oz.

34 B 691. 1-9, EACH..........1.07
10-Up, EACH..........88¢

HEAVY-DUTY AC-DC TYPE.

H For control of moderate horsepower motors on many small applia and other similar applications. Incorporate C-H snuffer-type con mechanism which is designed to minimize pitting caused by arcing stalled rotor currents or by heavy overloads. Rugged bakelite completely encloses the mechanism and terminals are separated by insulating barrier. Have 15/32" threaded stem. All switches are U.L. proved. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	Amperes		Stem Lgth.	NET EAC	
			125 V	250 V		1-9	10-
34 B 545	7320-K3	DPST	12	6	15/32"	1.01	.8
34 B 408	7321-K2	SPST	12	6	11/32"	1.01	.8
34 B 520	7321-K3	SPST	12	6	15/32"	1.01	.8
34 B 516	7360-K8	DPST	15	10	15/32"	1.74	1.4
34 B 517	7402-K4	DPST	1½ hp	20	15/32"	2.47	2.
34 B 714	7361-K5	SPST	15	10	15/32"	1.74	1.4
34 B 715	8690-K2	DPDT	15	10	15/32"	3.86	3.
34 B 717	8680-K1	DPDT	10	5	11/32"	3.17	2.
34 B 718	7360-K7	DPST	15	10	11/32"	1.74	1.
34 B 719	7402-K3	DPST	1½ hp	20	11/32"	2.47	2.

STANDARD AC TYPE

E L Slow make and break AC switches. Simple contact structure sign for long, dependable life. All are rated 6 amperes at 125 vo and 3 amperes at 250 volts. Single-pole switches are illustrated by F L; double-pole are Fig. E. †Indicates center-off positions. All h threaded stem diameter of 15/32"; stem length, 15/32". All switches are U Approved. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	Term.	NET EACH	
				1-9	10-U
34 B 640	7580-K4	SPST	Screw	52¢	43
34 B 641	7580-K6	SPST	Solder	45¢	38
34 B 642	7581-K4†	SPDT	Screw	60¢	50
34 B 643	7581-K6†	SPDT	Solder	49¢	41
34 B 644	7582-K4	SPDT	Screw	60¢	50
34 B 645	7582-K6	SPDT	Solder	49¢	41
34 B 646	7590-K4	DPST	Screw	81¢	67¢
34 B 647	7590-K6	DPST	Solder	66¢	55
34 B 648	7591-K4†	DPDT	Screw	96¢	79
34 B 649	7591-K6†	DPDT	Solder	73¢	61
34 B 689	7592-K4	DPDT	Screw	96¢	79
34 B 690	7592-K6	DPDT	Solder	73¢	61

HEAVY-DUTY AC TYPE

Small, ruggedly built switches intended primarily for AC use. Provi long, dependable service. Reduction in arcing permits use of the s make, slow break mechanism. All have 15/32" diameter threaded ste 15/32" long. †Indicates center-off. All have nominal rating of 10 amp at 250 volts AC and 15 amperes at 125 volts AC. All are U.L. Approve Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	Term.	Fig.	NET EACH	
					1-9	10-U
34 B 534	7501-K13	SPST	Solder	K	.52	.36
34 B 591	7500-K14	SPST	Screw	K	.60	.50
34 B 592	7502 K13†	SPDT	Screw	L	.72	.59
34 B 536	7505-K4	SPDT	Solder	L	.60	.5
34 B 593	7504-K4	SPDT	Screw	L	.72	.5
34 B 537	7561-K4	DPST	Solder	E	.81	.67
34 B 594	7560-K5	DPST	Screw	E	.96	.79
34 B 538	7565-K5	DPDT	Solder	E	.96	.79
34 B 595	7564-K6	DPDT	Screw	E	1.19	.98
34 B 539	7563-K4†	DPDT	Solder	E	.96	.79
34 B 596	7562-K4†	DPDT	Screw	E	1.19	.98
34 B 543	7611-K2	3PST	Solder	N	1.66	1.37
34 B 597	7610 K2	3PST	Screw	N	1.93	1.60
34 B 523	7613-K2†	3PDT	Solder	N	2.04	1.69
34 B 598	7612-K2†	3PDT	Screw	N	2.45	2.03
34 B 796	7503-K13†	SPDT	Solder	L	.60	.50
34 B 798	7615-K2	3PDT	Solder	N	2.04	1.69
34 B 799	7614-K2	3PDT	Screw	N	2.45	2.03

SPST MIDGET TYPE

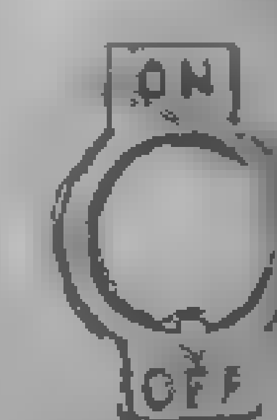
M **Type 8098-K3.** Midget switch. 3 amps at 125 volts AC, 0.75 am at 125 volts DC, and 6 amps at 24 volts, DC. Screw termina Threaded stem diameter, 15/32"; stem length, 11/32". Has bat-handle; hand length, 7/16" from end of threaded stem. Shpg. wt., 2 oz.

34 B 510. 1-9, EACH..........4
10-Up, EACH..........3

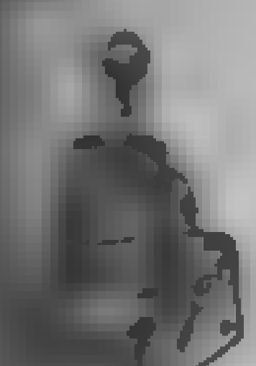
ON-OFF PLATE

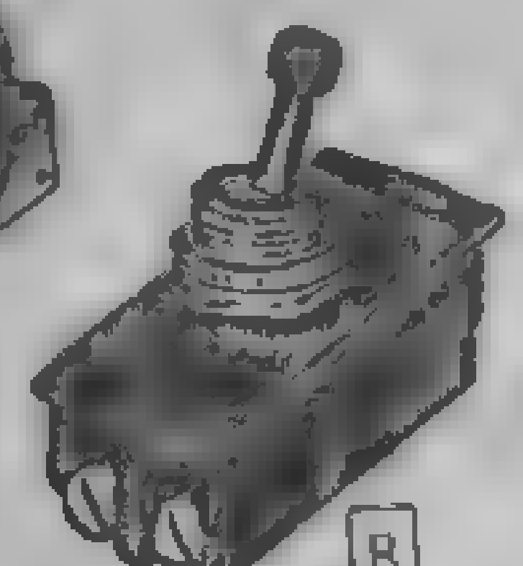
Type 827-228F3. Switch plate for "On-Off" indication of toggle switches. Designed to fit slot in threaded stem. Secured in position by mounting nut of switch. Mounts vertically. Shpg. wt. per pkg., 2 oz.

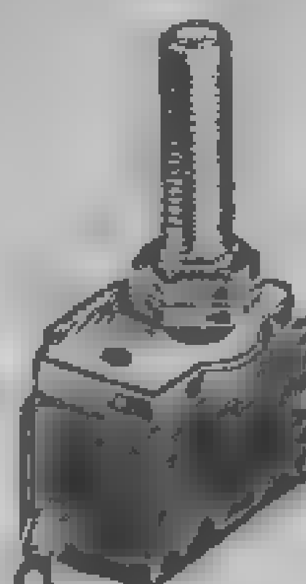
34 B 504. Per Pkg. of 2..........8¢

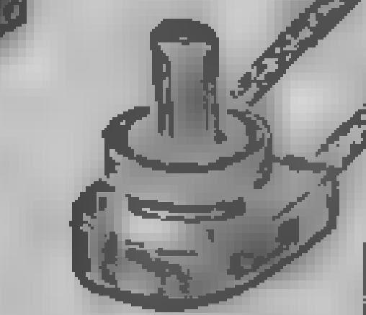


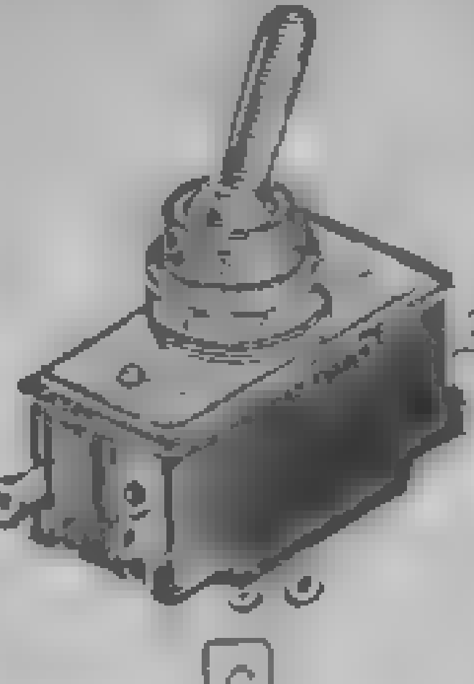
Arrow-Hart and Hegeman Switches

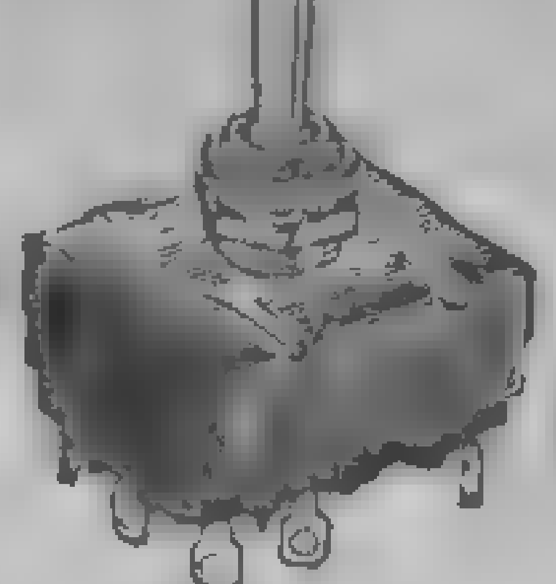


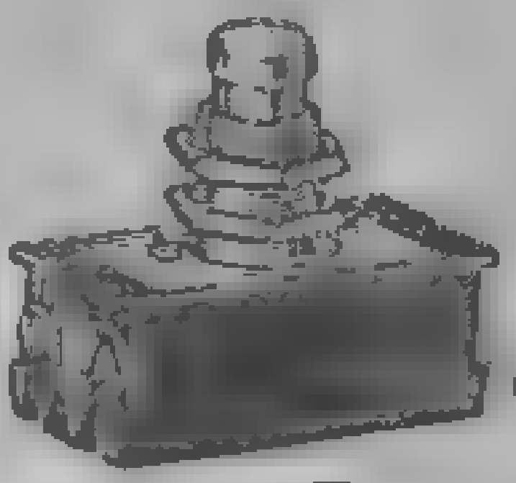












BALL-HANDLE TOGGLE SWITCHES

vide long life and dependability in radio and fractional horsepower ications. All have bakelite insulation; with laminated phenolic and are nickel-finished. Solder lug terminals. Positive action With one hex nut and one knurled nut. 15/32" diameter shanks. Approved. Shpg. wt., 2 oz.

k	Mfr's Type	Action	Amps		Shank Length	NET EACH	
			125V	250V		1-9,	10-Up
00	20994-BF	SPST	......	3	13/32"	.52	.43
38	20994-CS	SPST	......	3	15/32"	.52	.43
01	21518-B	SPST	......	3	3/4"	.64	.53
02	21615-BD	SPST	......	3	1"	.67	.55
110	21350-B	SPDT	3	1	13/32"	.67	.55
111	80023-B	SPDT	3	1	3/4"	.81	.67
120	20902-AM	DPST	3	1	11/32"	.96	.79
133	20902-N	DPST	3	1	15/32"	.95	.79
130	20905-Z	DPDT	3	1	11/32"	1.10	.91
131	20905-BT	DPDT	3	1	3/4"	1.21	1.00
132	20905-C	DPDT	3	1	1"	1.23	1.02

POWER-TYPE TOGGLE SWITCHES

mpact, toggle-operated power switches for motors and appliances. ck make and break with wiping blade action. 34 B 136 is rated 250 volts. U.L. Approved. Bakelite case. Screw terminals. Shank, a. 5/16" long. With mtg. nuts. Shpg. wt., 2 oz.

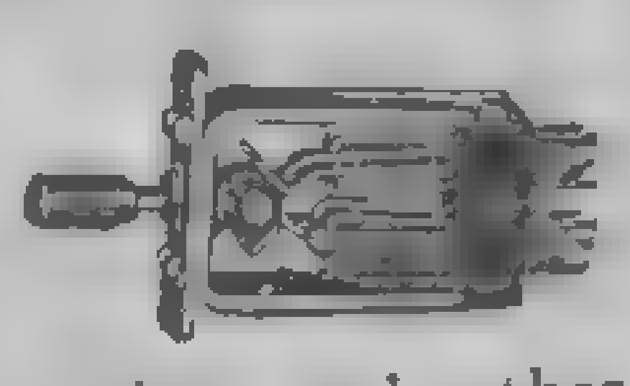
tock No.	Mfr's Type	Action	Amps		NET EACH	
			125V	250V	1-9,	10-Up
B 136	80600	DPST	12	6	1.01	.83
B 135	80607	SPST	12	6		
B 137	80618	SPDT	12	6		

ROTARY SWITCHES

tained contact, rotary switches for replacement or new equipment lamps, appliances, etc. **Type 41047** is a direct replacement for wall type and desk-type lamps. It is equipped with 6" wire leads, brass finished metal handle, and a 3/8" diameter shank 5/16" long **es 81715-G and 81727-G** are ideal for medium current AC-DC ances. They are equipped with solder lug terminals, a molded olic base, an 11/32" diameter shank 3/8" long, and a 1/4" spindle ction 7/8" long. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Action	Amperes		NET EACH	
				125 V	250 V	1-9	10-Up
B 165	41047	D	SPST	3	1	.45	.41
B 141	81715-G	C	SPST	6	3	1.27	1.06
B 144	81727-G	C	DPDT	6	3	1.86	1.54

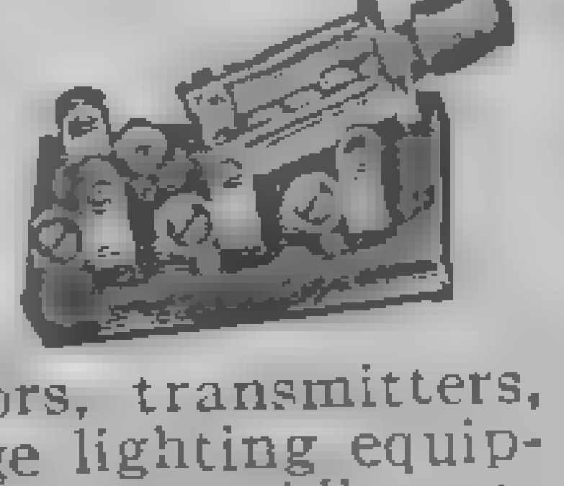
DERAL ANTI-CAPACITY SWITCHES



k make-and-break e, positive-action hes. Reduce capacity various audio-switch- applications. Widely by broadcasters in o control boards, consoles, and other pment. All normally open. Lever action is -roller type, with graphite-impregnated ing turning on tool-steel axles. Provides oth, easy action under all atmospheric con- ons. Round and flat master spring blades silver-plated phosphor bronze with pure er contacts. Insulating block is molded elite; attractive chrome faceplate. Alumi- frame, 2½x5x¾". Av. shpg. wt., 5 oz.

tock No.	Type	Action	NET
4 B 480	1427	DPST	2.79
4 B 481	1425	DPDT	2.79
4 B 482	1424	4PDT	2.86
34 B 483	12494	8PDT	6.20

EAGLE KNIFE SWITCHES



cient-operating, low-cost ife switches for heavy- ty applications in making breaking power circuits. ggedly built and compact size. Ideal for limited ace applications—for any wer control such as motors, transmitters, xing machines, or for stage lighting equip- ent. Provide smooth, easy action. All units ted 25 amperes, 125 volts AC. All have screw rminals. All have bakelite bases except Type 17 which is porcelain. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Action	Size	NET EACH	
				1-9	10-Up
4 B 884	612	SPST	1⅝x1"	19¢	17¢
4 B 886	613	SPDT	2⅝x1"	22¢	20¢
4 B 887	614	DPST	1¾x1½"	32¢	29¢
4 B 888	615	DPDT	2⅝x1⅝"	36¢	33¢
34 B 889	617	SPST	3 1/16x1⅛"	24¢	21¢

BAT-HANDLE TOGGLE SWITCHES

Ruggedly built A-H and H bat handle toggle switches. Underwriters' Laboratories Approved. All have bakelite insulation Silver-plated lug terminals, except for 34 B 106 and 34 B 109 which have screw type terminals. Shank, 15/32" dia., 13/32" long, except *11/32" long, §15/32" long †Center-off. With mtg. nuts. Shpg. wt., each, 3 oz.; 20 switches, 3 lbs.

Stock No.	Mfr's Type	Fig.	Action	Amps	Volts	NET EACH	
						1-9,	10-Up
34 B 195	20994-EW	F	SPST	3	250	.60	.49
34 B 196	21350-BP	F	SPDT	3	125	.73	.61
34 B 197	20902-DN	F	DPST	3	125	1.03	.85
34 B 198	20905-GA	F	DPDT	3	125	1.17	.96
34 B 109	80607-BJ§	B	SPST	12	125	1.01	.83
34 B 106	80602-CA§	B	DPST	15	125	1.74	1.44
34 B 103	82024-D*†	G	DPDT	6	125	1.58	1.30

COMPACT POWER-TYPE BAT-HANDLE TOGGLE SWITCHES

Extremely high capacity, slow make and break toggle switches designed for AC power applications. Feature small phenolic bases and fine silver contacts plus rugged, ball joint construction for long life expectancy. 3-position, center-off design. Nickel plated finish. Solder terminals. 11/16" toggle, 15/32" dia shank 15/32" long. Body, 1 5/16x1 7/16x1" deep. U.L. Approved. Shpg. wt., 3 oz.

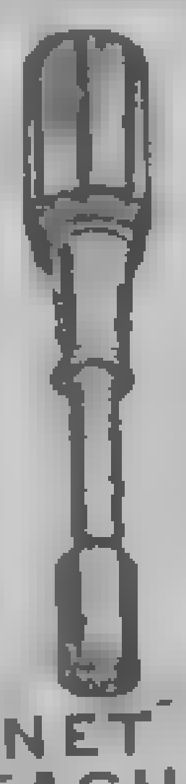
Stock No.	Mfr's Type	Fig.	Action	Amperes		NET EACH	
				125 V	250 V	1-9	10-Up
33 B 858	82615	H	3PDT	15	10	2.04	1.69
33 B 859	82634	H	4PDT	15	10	3.05	2.52

PUSH-BUTTON SWITCHES

All are momentary contact, except †push on push off types *Indicates normally open AC-DC, except §AC only. All have 15/32" diameter shanks; 9/16" long, except Type 80630, 7/16" long. All have solder lug terminals except 80630 which has screw type terminals. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Button Color	Amps	Volts	NET EACH	
							1-9	10-Up
34 B 159	3391 GL	E	SPST*	Black	1	125§	.74	.61
34 B 119	3392	J	SP2	..	1	125§	.73	.60
34 B 124	3392-AE	E	SP2	Black	1	125§	.90	.75
34 B 129	3392 AE	E	SP2	Red	1	125§	.90	.75
34 B 118	3592	J	SPST*	.	3	250	1.02	.84
34 B 152	80630	K	DPST*	...	12	125	1.49	1.23
34 B 160	86710	J	SPST†	...	3	250	.94	.78
34 B 161	86710-C	E	SPST†	Red	3	250	1.12	.92
34 B 162	86710-C	E	SPST†	Black	3	250	1.12	.92

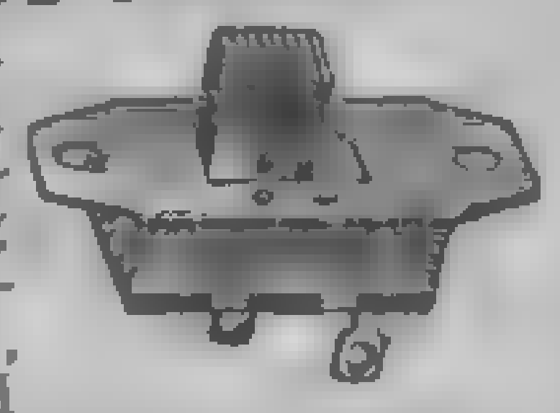
STEVENS-WALDEN SPINTITE SWITCH WRENCHES



Specially designed spintite wrenches for easy installation of toggle switches. Feature a very deep recess to accommodate even bat-handle type toggle switches. Knurled inside surface tapered to accommodate different sizes of ring nuts. Wrenches equipped with wood handles Shpg. wt., 6 oz.

Stock No.	Mfr's Type	For Use With	NET EACH
46 N 056	3480	A-H&H	2.58
46 N 167	3481	Cutler-Hammer, Carling	2.58
50 N 208	36KB625	Switchcraft LEV-R 3000 Series	2.58

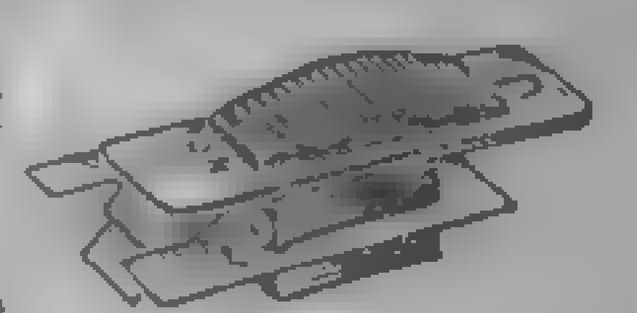
ECONOMY AC-DC SLIDE SWITCHES



A selection of low-cost, dependable switches produced by leading manufacturers. Require very little mounting space. Many uses in appliances, hi-fi equipment, radios, etc. Cadmium-plated steel housing. Size, 85/64" wide x 1 13/32" long. Mounting centers, 1⅛". Type S-110-S is heavy duty; 6 amps at 125 volts; 3 amps at 250 volts. Others at 125 volts: Type SW724, 0.75 amps; Type SW725, 0 5 amps; Type 81574, 3 amps; Type S60A, 4 amps, Type S60B, 4 amps; Type SS-6, 0.5 amps. Type SS-6 has 3/16" bevel trigger with prong guide, solder lug terminals, spring return. Type S-110-S has screw terminals; all others have hot-tinned solder lugs. U.L. Approved. *Indicates Wirt; †Stackpole; §A-H&H; all others made by Carling. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	NET EACH		
			1-9	10-24	25-Up
34 B 496	SS-6†	3PDT	30¢	27¢	24¢
34 B 422	S60A	SPST	10¢	9¢	7¢
34 B 423	S60B	SPDT	11¢	10¢	8¢
34 B 148	S-110-S	SPST	49¢	44¢	39¢
34 B 164	S-316	DPDT	70¢	63¢	52¢
34 B 491	SW724*	SPDT	22¢	20¢	18¢
34 B 492	SW725*	DPST	22¢	20¢	18¢
33 B 853	81574§	SPST	24¢	20¢	17¢

A-H&H SPST SLIDE SWITCH



Type 81569. Indicating type. 3 amps @ 250 v.; 6 amps @ 125 v. Requires 1⅜x9/16" cutout. U.L. Approved. 2¼x¾" 2 oz.; 20, 1¼ lbs

34 B 153 10-Up, EA. 79¢

1-9, NET EA.........96¢

A-H&H LOCK SWITCH

L **Type 81715-L.** Lockswitch with key. SPST. 3 amps @ 250 v.; 6 amps @ 125 v. Sleeve dia., 15/32". For panels to 9/32". 1¾x1½". Switch must be open to remove key. 2 oz.

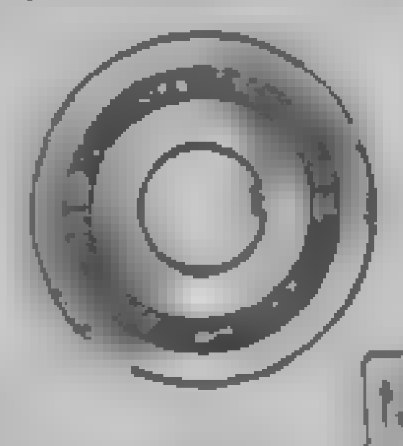
34 B 156. 10-99, EA. 1.34 1-9, EA. . 1.63

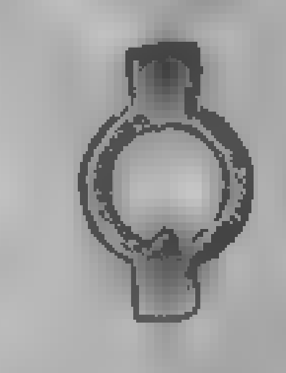
34 B 128. Extra key. 2 oz. **NET.........16¢**

Type 81715-LE. As above, but key removable in open or closed position.

34 B 158. 10-Up, EA. 1.34 1-9, EA.....1.63

A-H&H INDICATING SWITCH PLATES





M **For Toggle or Rotary Switches.** 1⅛" diameter polished aluminum plate for use with toggle or rotary switches. Has ½" hole. Attractive appearance; etched on black background. Shpg wt., 2 oz.

34 B 151. NET EACH..................39c

20-Up, EACH..............................37¢

N **For Toggle Switches.** Nickel-plated "On-Off" plate. Has ½" diameter hole for switch shank.

34 B 145. 6 oz. **Package of 25.........59c**

33 B 857. 2 oz. **Package of 2..............8¢**

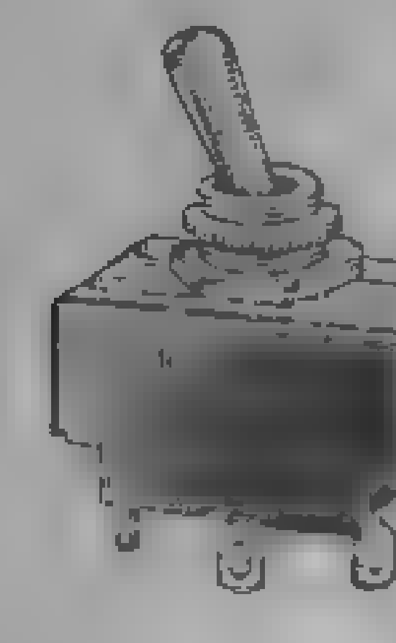
P **Type 20590-1. For Toggle Switches.** Nickel-plated brass stamping. Keyed to fit switch shank. Reads "On-Off." For 15/32" diameter shank. Shpg. wt. per pkg. of two, 2 oz.

34 B 157. Package of 2....................8¢

Carling, Ohmite and J-B-T Switches

CARLING SWITCHES

A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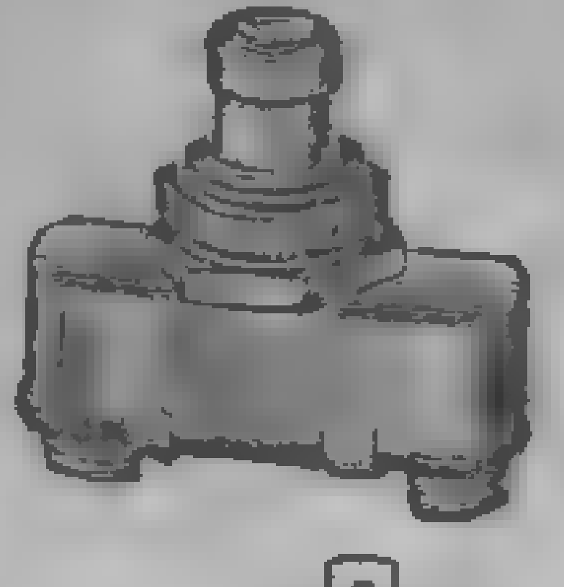
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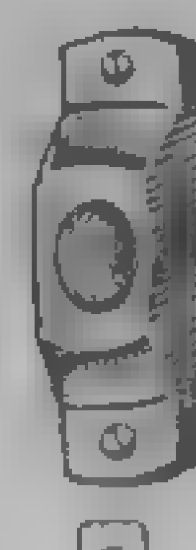
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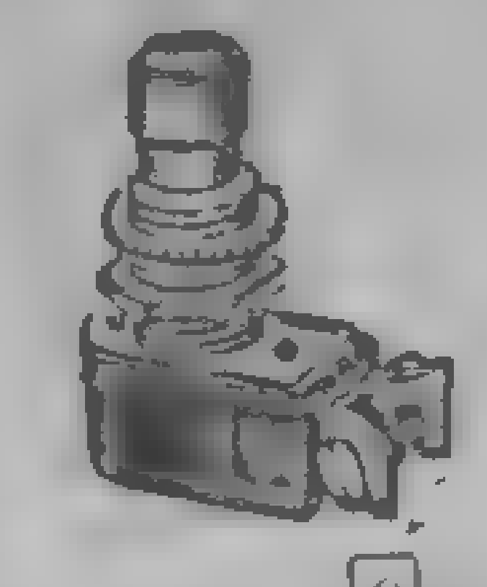
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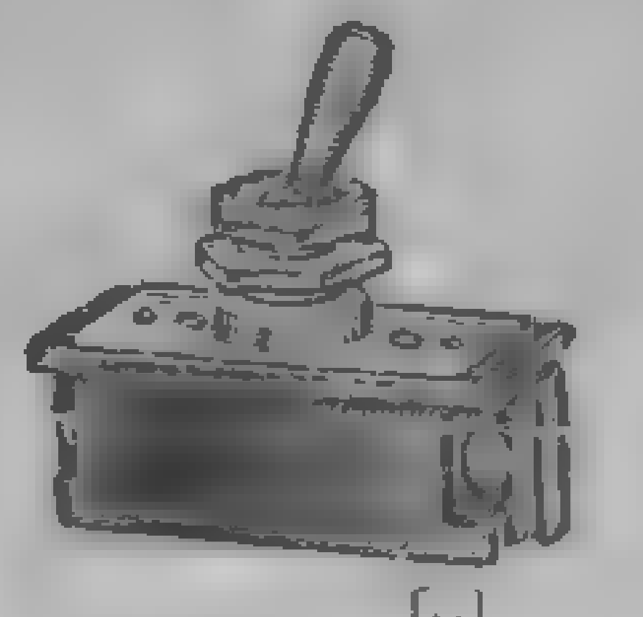
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J

MOMENTARY AC TOGGLE SWITCHES

A selection of dependable bat-handle toggle switches designed for AC applications. Circuit maintained only while switch handle is held in position. A spring returns handle to previous position when handle is released. Excellent for test equipment, control panels, instrumentation, etc. §3-position with center "Off," momentary either side. ‡3-position with center "Off," one side momentary, other side maintained. Handle is 11/16" long. Stem length, 15/32"; dia. 15/32"-32 thread. Screw terminals. U.L. Approved. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Amperes 125 V	Amperes 250 V	1-9, EACH	10-Up, EACH
34 B 056	6FA54-73	A	SPST n.o.	15	10	.68	.61
34 B 388	6FC54-73	A	SPDT§	15	10	.78	.71
34 B 059	6FC58-73	A	SPDT‡	15	10	.78	.71
34 B 062	6GK54-73	B	DPST n.o.	15	10	1.11	1.00
34 B 065	6GM54-73	B	DPDT§	15	10	1.22	1.10
34 B 392	6GM58-73	B	DPDT‡	15	10	1.22	1.10

MOMENTARY SPST AC-DC TOGGLE SWITCH

C Type 110-M-NO-93. With trigger handle. For instrumentation and test equipment use. Normally open. Lugs are silver-plated. AC-DC rating: 6 amps, 125 volts; 3 amps, 250 volts. Stem length, 15/32". Stem dia., 15/32"-32 thread. U.L. Approved. 3 oz.

34 B 149. 10-Up, EACH..............61¢ 1-9, EACH.........**68c**

HEAVY-DUTY PLASTIC-TOGGLE AC SWITCHES

D Extremely compact AC switches for limited space applications. Require only ½" behind panels. Ideal for instrumentation and development use. Rated 15 amps at 125 v. and 7½ amps at 250 v. Solder lug terminals. 15/32"-32 threaded stem; ¼" stem length. U.L. Approved. Shpg. wt., 2 oz.

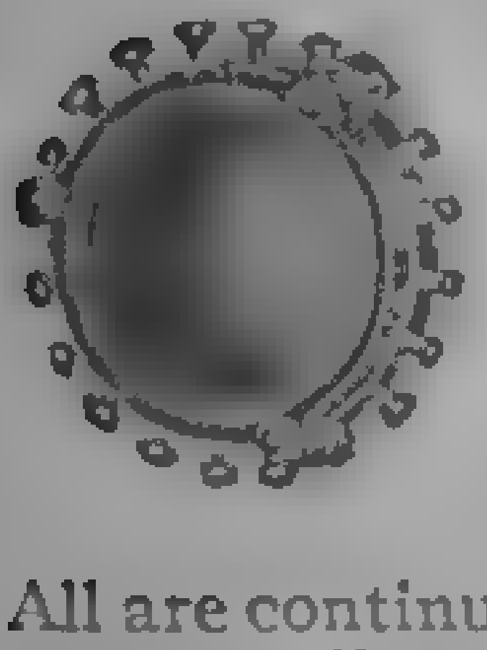
Stock No.	Mfr's Type	Color	Action	1-9, EACH	10-Up, EACH
34 B 312	AA252-BL	Black	SPST	48¢	44¢
34 B 313	AA252-RD	Red	SPST	51¢	46¢

PUSH-BUTTON SWITCHES

All are single-pole single-throw, normally open switches except * which is normally closed, and † which is a "push-push" switch (maintains open or closed contacts). § Doorbell type. 15/32" dia. stem, 9/16" long. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Amperes 125 V	Amperes 250 V	NET EACH 1-9	NET EACH 10-Up
34 B 398	172	E	10	10	57¢	51¢
34 B 397	170*	E	10	10	57¢	51¢
34 B 168	110 SP†	G	6	3	95¢	85¢
35 B 527	90	F	§	§	15¢	12¢

J-B-T NON-SHORTING ROTARY SWITCHES



An excellent selection of rotary selector switches. All moving contacts are fully enclosed to minimize dirt and corrosion, except *SS-14-1 laminated plastic type with open contacts. Made of durable, molded bakelite, with rigid 3-post deck suspension. Average contact resistance only 0.007 ohms; insulation resistance above 50,000 megohms. Current-carrying capacity, 1 amp; momentary, 5 amps. Rated 2000 volts rms between contacts and ground. All are continuous rotation type. *SS-14-1 has 13 circuits and 1 "off" position. Type MS-14 has 13 circuits and 1 "off" position per deck. Angular indexing, 25°43". MS-20 will handle up to 19 circuits and 1 "off" position per deck. Supplied with knob. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Gangs	Total Poles	Positions Per Pole	Depth	NET EACH
35 B 258	*SS-14-1	1	1	14	13/16"	2.10
34 B 950	MS-14-1	1	1	14	13/16"	2.20
34 B 951	MS-14-2	2	2	14	1⅛"	2.80
34 B 952	MS-14-3	3	3	14	1 7/16"	3.40
34 B 953	MS-14-4	4	4	14	1¾"	4.45
34 B 954	MS-14-6	6	6	14	2⅜"	6.50
34 B 955	MS-20-1	1	1	20	1 3/16"	2.80
34 B 956	MS-20-2	2	2	20	1⅛"	3.60
34 B 958	MS-20-4	4	4	20	1¾"	5.90
34 B 959	MS-20-6	6	6	20	2⅜"	8.30

ETCHED DIAL PLATES. For the J-B-T rotary switches listed above. Raised bright metal numerals are easy to read against the dull black finish of the dials. Diameter, 2¾". Shpg. wt., 1 oz.

Stock No.	Mfr's Type	Calibration	Angular Indexing	EACH
34 B 960	EP-13	Off thru 13	25° 43"	23c
34 B 961	EP-14	1 thru 14	25° 43"	
34 B 962	EP-19	Off thru 19	18°	
34 B 963	EP-20	1 thru 20	18°	

AC AND AC-DC TOGGLE SWITCHES

A large selection of rugged, highly dependable toggle switches for wide range of medium and heavy-duty power applications. toggle switches in the table below are maintained-contact sty Have bat handles, 15/32" stem length, except Types 110-25, 112-2 216-25 and 316-25, which have ball-handle construction, with 7 stem length. Stem diameter is 15/32"-32 thread on all toggle switche *Indicates 3-position switches, with center off. All others have positions only, and no center position. †Indicates switches havi screw terminals with 6-32 binding-head screws; ‡has wire lead others have solder lugs. U.L. Approved. Av. shpg. wt., 3 oz.

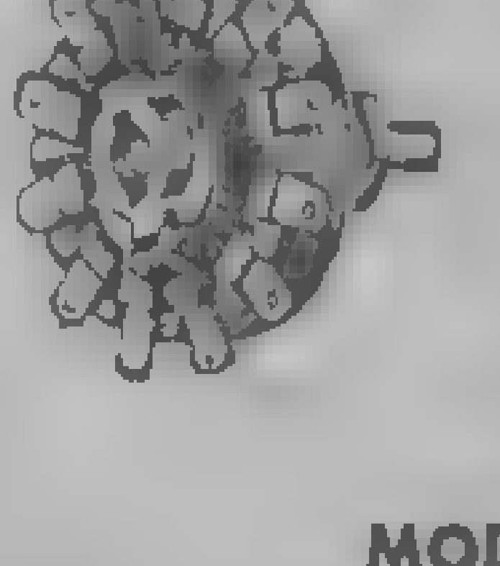
AC TYPES

Stock No.	Mfr's Type	Fig.	Action	Amperes 125 V	Amperes 250 V	1-9, EACH	10-Up EACH
34 B 183	2FA53-73	A	SPST	15	10	.48	.43
34 B 385	2FA54-73†	A	SPST	15	10	.54	.49
34 B 425	2FB53-73	A	SPDT	15	10	.54	.49
34 B 386	2FB54-73†	A	SPDT	15	10	.65	.58
34 B 184	2FC53-73	A	SPDT*	15	10	.54	.49
34 B 387	2FC54-73†	A	SPDT*	15	10	.65	.58
34 B 187	2GK53-73	B	DPST	15	10	.73	.66
34 B 389	2GK54-73†	B	DPST	15	10	.86	.77
34 B 188	2GL53-73	B	DPDT	15	10	.86	.77
34 B 167	2GM53-73	B	DPDT*	15	10	.86	.77
34 B 391	2GM54-73†	B	DPDT*	15	10	1.08	.97

AC-DC TYPES

Stock No.	Mfr's Type	Fig.	Action	Amperes 125 V	Amperes 250 V	1-9, EACH	10-Up EACH
34 B 380	2DA25-73†	H	SPST	12	6	.89	.80
34 B 092	110-25	J	SPST	6	3	.54	.49
34 B 093	112-25	J	SPDT	3	1	.62	.56
34 B 094	216-25	J	DPST	3	1	.81	.73
34 B 095	316-25	J	DPDT	3	1	.89	.80
34 B 096	2BB62-73	J	SPDT	6	3	.62	.56
34 B 097	2BK62-73	J	DPST	6	3	.78	.70
34 B 098	2BL62-73	J	DPDT	6	3	.86	.78
34 B 180	111-16-73‡	....	SPST	6	3	.46	.41
34 B 175	110-73	J	SPST	6	3	.43	.34
34 B 177	112-73	J	SPDT	3	1	.51	.46
34 B 178	216-73	J	DPST	3	1	.70	.63
34 B 179	316-73	J	DPDT	3	1	.78	.70

OHMITE POWER-TAP SWITCHES

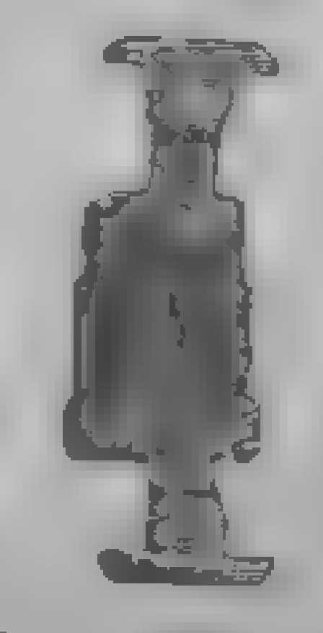


Rugged, highly dependable power tap switches for wide variety of high-current applications. Feat large, solid silver-to-silver contacts. All ceram body construction for extra strength and troubl free performance. Model 111 is rated at 10 ampere @ 150 volts, AC; diameter is 1¾". Model 212 is ra ed at 15 amperes @ 150 volts, AC; diameter is 2¼ *Two-in-tandem types, rated same as single unit U.L. Approved. Shpg. wt., 111, 5 oz.; 212, 10 o

MODEL 111 **MODEL 212**

Stock No.	Taps	Rotation	NET EACH	Stock No.	Taps	Rotation	NET EACH
34 B 226	2	30°	3.63	34 B 238	3	60°	7.2
34 B 227	3	60°	3.74	34 B 239	4	90°	7.4
34 B 228	4	90°	3.86	34 B 322*	4	90°	18.1
34 B 229	5	120°	3.98	34 B 240	5	120°	7.6
34 B 220*	5	120°	11.19	34 B 241	6	150°	7.8
34 B 230	6	150°	4.10	34 B 321*	6	150°	18.8
34 B 231	7	180°	4.21	34 B 242	7	180°	7.9
34 B 232	8	210°	4.33	34 B 243	8	210°	8.1
34 B 233	9	240°	4.45	34 B 244	9	240°	8.3
34 B 234	10	270°	4.57	34 B 245	10	270°	8.5
34 B 235	11	300°	4.68	34 B 247	12	330°	8.8
34 B 293*	11	300°	12.60	....	.....	....	....

EDCO DELAYED-ACTION WALL SWITCH



"Path of Light" wall switch provides illuminatic for you to walk out safely before lights go off. Hel prevent accidents from groping and stumbling in t dark. Ideal for the shop, basement, garage, office, porc etc. Turns lights out about a minute after thrown "off" position. Easy to install. Capacity: 10 amps @ 12 volts. Shpg. wt., 5 oz.

35 B 526. EACH..........................**2.3**

EAGLE FLUSH-MOUNT PUSHBUTTON SWITC

Type 188. Momentary contact. 6-leaf spider secures swit in ⅝" hole. Ideal for signalling bells, lights, similar u ½" shank depth. Screw terminals. Shpg. wt., 2 oz.

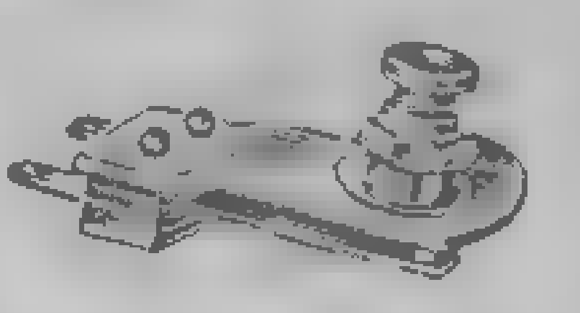
55 B 196. 1-9, NET EACH..........................**3**

10-Up, EACH..........................2

Switchcraft and Acro Switches

SWITCHCRAFT QUALITY SWITCHES

NON-LOCKING PUSH-BUTTON TYPE SWITCHES



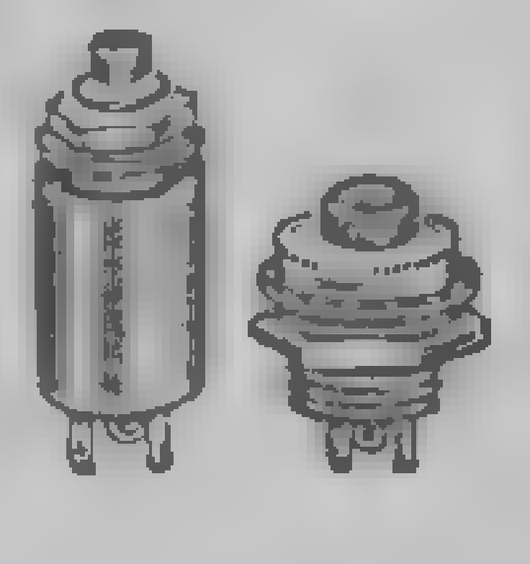
itches. Flat frame construction provides frame le to any stack of contact springs. Simple, action movement. Excellent for replacement electric appliances and in the design of new ances. Conventional spring stack assembly with te spacers. Silver contacts rated at 3 amperes, olts AC. One-piece, black button and shaft. ⅜" diameter threaded ⅜" long. With locknut and washer. §n.o. means normally open; ans normally closed. Shpg. wt., 3 oz.

ock No.	Mfr's Type	Action§		NET EACH
		Poles	Diagram	
B 994	1001	SPST n.o.	I	.62
B 995	1002	SPST n.c.	II	.62
B 996	1003	SPDT	III	.71
B 997	1004	DPST n.o.	IV	.76
B 999	1006	DPDT	V	.91
B 969	1009	3PDT	XII	1.23

el" Switches. For limited space applications. One-piece and shaft. *Black button; †red button. Nickel silver contacts. Spring sections are insulated. ⅜" threaded ⅜" long. Recommended for low-level currents only. mounting hardware. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action		NET EACH
		Poles	Diagram	
B 944	101†	SPST n.o.	I	53¢
B 945	102†	SPST n.c.	II	53¢
B 946	103†	SPDT	III	59¢
B 947	201*	SPST n.o.	I	53¢
B 948	202*	SPST n.c.	II	53¢
B 949	203*	SPDT	III	59¢

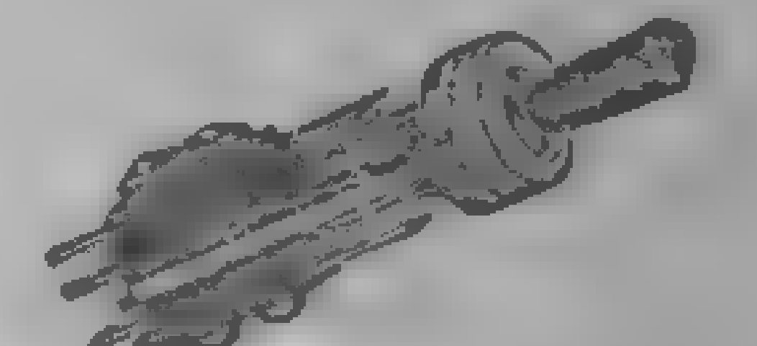
"BUTTON" SWITCHES



ually small, momentary-action push-button es. Small size makes them ideal for replacement ctric appliances and in the design of new appli- Enclosed in metal housing; have black or red button. Types 903 and 913 are ½" long; fit 15/32" Types 923 and 933 are ⅞" long; fit ¼" hole. nting: Types 903, 903D, 913, 913D are for behind- mounting; Types 923, 923D, 933, 933D mount front of panel. All are rated at 250 ma, non-induc- load, AC (30 watts maximum). Shpg. wt., 2 oz.

ock No.	Type (Red)	Stock No.	Type (Black)	Action		NET EACH
				Poles	Diag.	
B 414	903	35 B 418	913	SPDT	III	.88
B 415	903D	35 B 419	913D	SPDT	XI	.88
B 416	923	35 B 420	933	SPDT	III	1.03
B 417	923D	35 B 421	933D	SPDT	XI	1.03

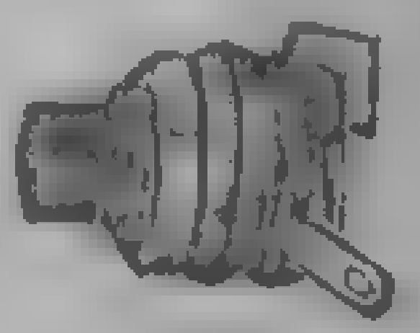
"LEV-R" TYPE SWITCHES



Ultra-compact lever-action switches. Require less than half the space normally required for a lever switch. Long springs without "forms" at point of flexing insure long spring life. Feature soft, easy action of actuator; real detent action on locking types. Silver contacts, rated at 3 amps, 120 volts, non inductive load. Length, 3 17/64"; width ⅝". §n.o. means normally open. *3-position type. ‡Types 3034 and 3034L are operated to close either of two circuits keeping the other open. †Types 3035 and 3035L are operated to open one of two circuits keeping other closed. Supplied with nickel plated brass locknut for mounting. Require 15/32" mtg. hole. Shpg. wt., 3 oz.

Spring Return		Locking		Action§		NET EACH
Stock No.	Type	Stock No.	Type	Poles	Diag.	
34 B 465	3001	34 B 471	3001L	SPST, n.o.	I	1.15
34 B 466	3003	34 B 472	3003L	SPDT	III	1.32
34 B 467	3004	34 B 473	3004L	DPST, n.o.	IV	1.47
34 B 468	3006	34 B 474	3006L	DPDT	V	1.62
34 B 485	3009	34 B 484	3009L	3PDT	XII	2.00
34 B 469	*3033	34 B 475	*3033L	SPDT, n.o.	VI	1.47
34 B 458	*3034	34 B 459	*3034L	DP 2-Ckt‡	VII	1.53
34 B 464	*3035	34 B 477	*3035L	DP 2-Ckt†	VIII	1.53
34 B 478	*3036	34 B 479	*3036L	DP 2-Ckt	IX	1.71
34 B 470	*3037	34 B 476	*3037L	DPDT, n.o.	X	1.73

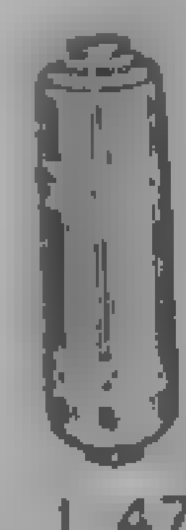
"TINI-SWITCHES"



Subminiature push-button switches for limited space applications. Ideally suited for use in microphones, radio and automotive test instruments, inter-communication systems, electro-therapy equipment, etc. Quality constructed throughout. ¼" threaded shank, 13/64" long. For low-level currents only. Require 5/16" behind panel. *n.o. means normally open; n.c., normally closed. Shpg. wt., 3 oz.

Stock No.	Type (Red)	Stock No.	Type (Black)	Action*		NET EACH
				Poles	Diag.	
34 B 831	951	34 B 834	961	SPST n.o.	I	.53
34 B 832	952	34 B 835	962	SPST n.c.	II	.53
34 B 833	953	34 B 836	963	SPDT	III	.59

CORD-TYPE PUSH-BUTTON SWITCHES

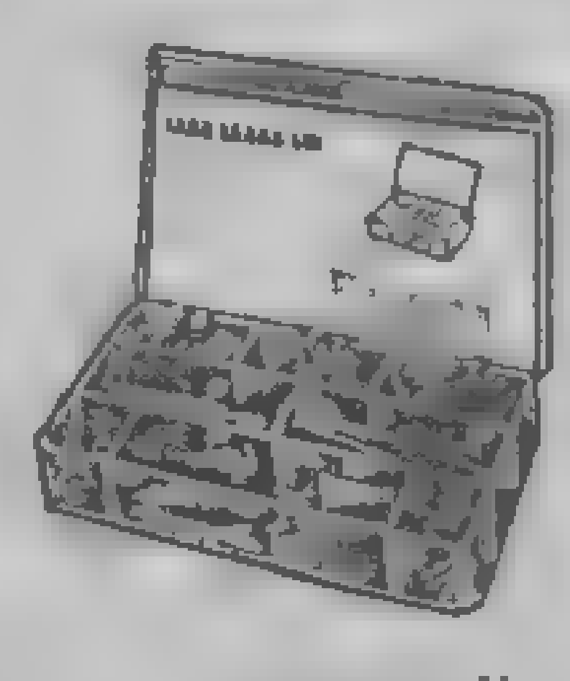


Hand-held switch for use on control cords. Consists of a Type 903, 903D, 913, or 913D momentary-action "button" switch (left), threaded into one end of a bright nickel-plated sleeve. Action is SPDT; Diagram III. A precision, easily operated switch for remote control of recorders, lights, counters, many other devices. Sleeve is 11/16" diameter and 2 3/16" long. Shpg. wt., 4 oz.

35 B 422. Type E903 Red. NET..........................1.47

35 B 424. Type E913 Black. NET..........................1.47

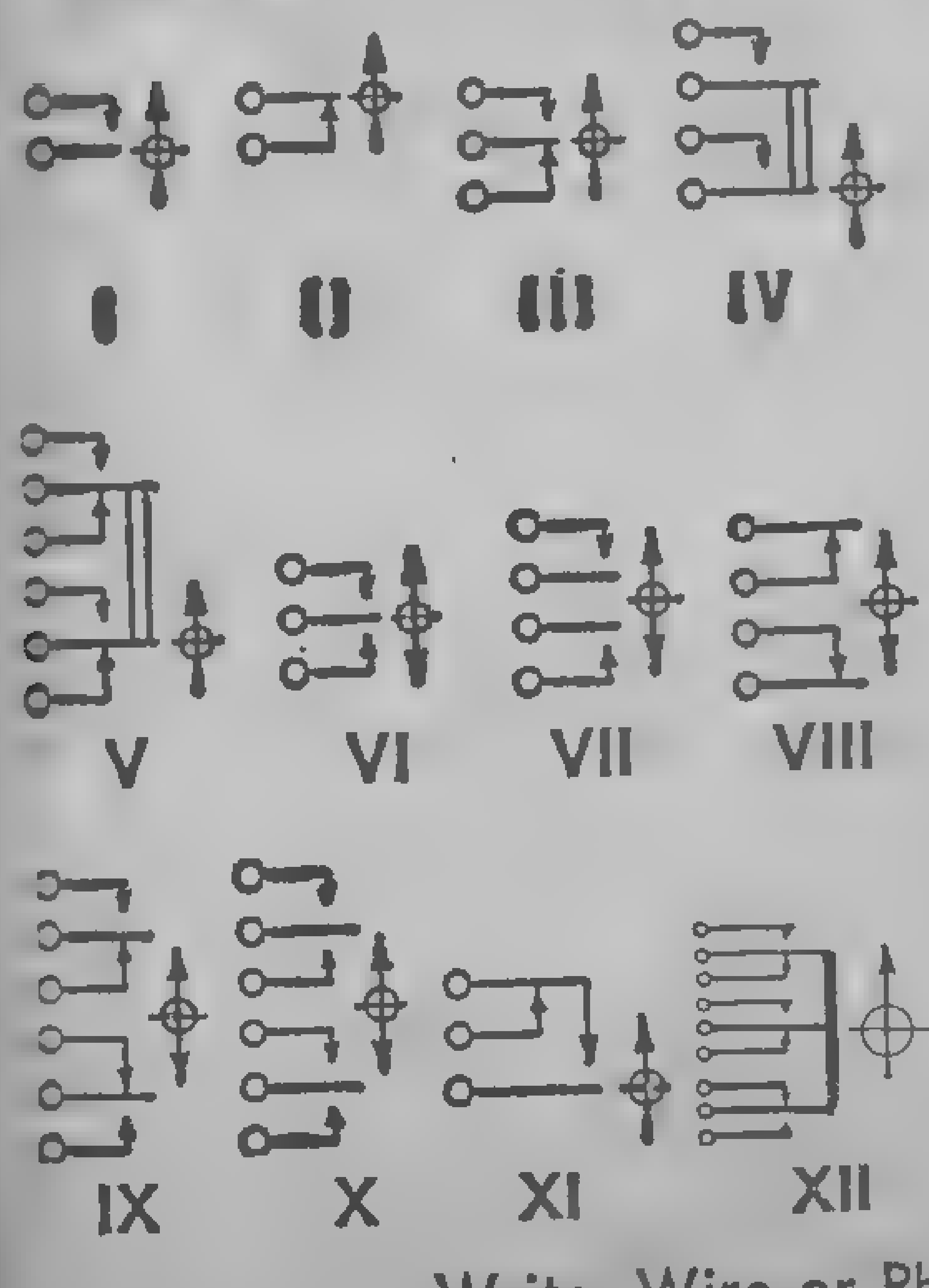
SWITCHCRAFT STACK SWITCH KIT



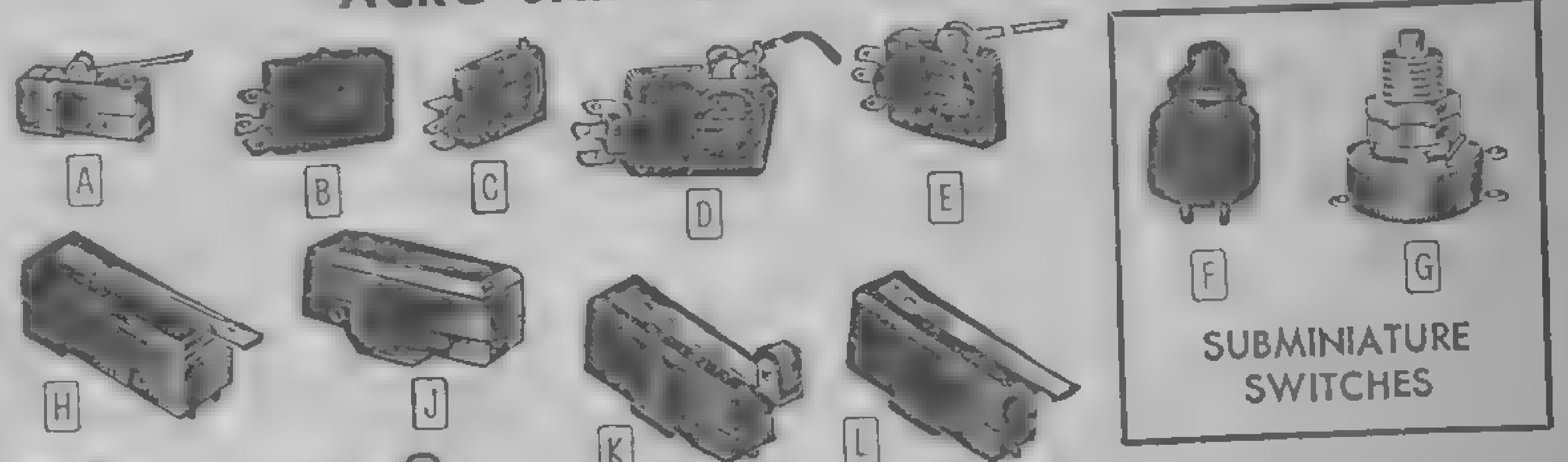
odel K-101. Kit of com- ent parts for assem- g or repairing stacking ches. Used in relays, ote control units, elec- ic organs, etc. Kit sists of 74 springs in 9 erent thicknesses, over 5 phenolic spacers and lators in 7 variations design, hard-rubber in- ating tubing, two dif- ent sets of stack assembling pins, two roller emblies, assorted contacts, lifters, pushers, Shpg. wt., 1½ lbs.

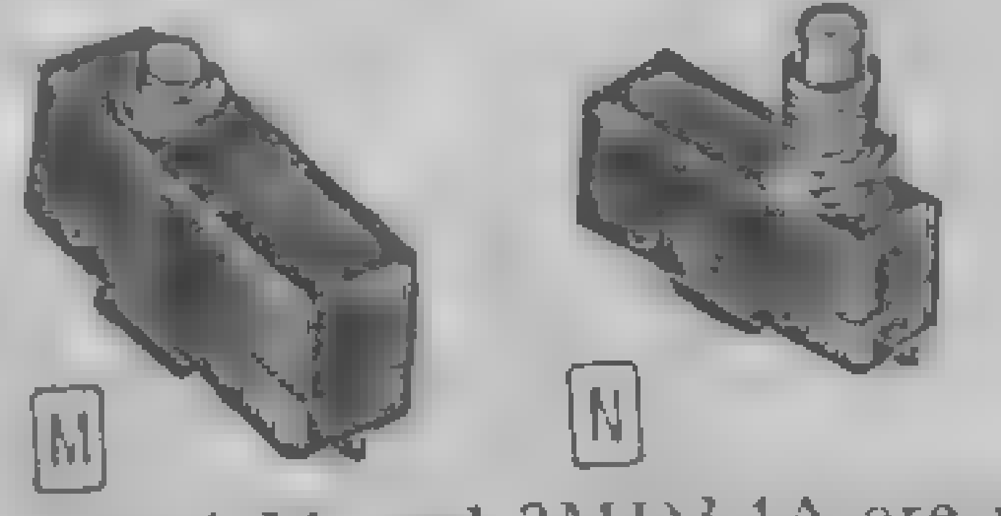
34 B 837. NET..........................9.70

SWITCHCRAFT SCHEMATIC DIAGRAMS



ACRO SNAP-ACTION SWITCHES





Precision-built, snap-action switches. Current ratings given are at 125 volts AC. Pre-travel given in inches; operating force in ounces, except *grams. All switches are SPDT except 3DO5-5P which is SPST normally open, and 3DC5-5P which is SPST normally closed. All have solder terminals, except †screw terminals. TD-48L has hinged leaf actuator and is designed for very light pressure applications requiring a full rated switch. 1MD1-1A and 2MD3-1A are standard pin plunger types; can be ganged for multiple circuits. 1CMD1 2AXX and 2CMD1 2AXX are pin plunger coin machine types, operate on extremely light pressure. 1CMD1-2AXX-A22 has hinged wire leaf bracket assembly; 2CMD1-2AXX-A24 has hinged flat ribbed leaf actuator assembly. QPD 1000 is a panel mounting, overtravel plunger type; BRD2-5L is standard leaf actuator type; BRD2-1A-1S is a basic switch -step base style; BRD2-2M-1S has roller leaf actuator; BRD2-5L 1S has plain leaf actuator; BRD2-7O-1S is short overtravel plunger type; BRD2-1P-1S is panel mounting, overtravel plunger type. ‡In inches. Av. shpg. wt., 4 oz.

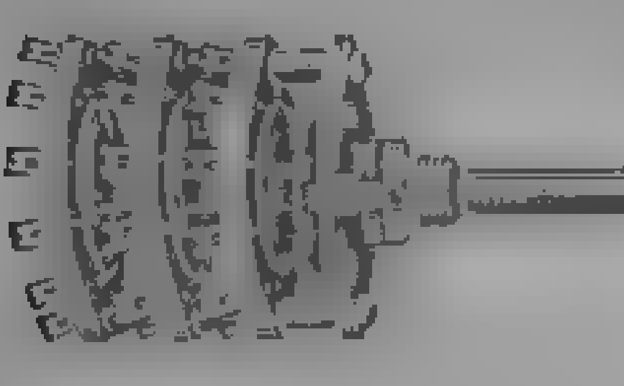
Stock No.	Mfr's Type	Fig.	Oper. Force	Pre-travel‡	Size	Amps	NET EACH	
							1-9	10-Up
35 B 016	TD-48L	A	12*	3/32	27/32x1 1/16x1 15/16"	10	2.02	1.82
35 B 009	1MD1-1A	B	3-6 oz.	1/32	53/64x9/32x13/64"	10	1.45	1.31
35 B 019	2MD3-1A	B	6-10 oz.	1/32		10	1.45	1.31
35 B 020	1CMD1 2AXX	C	20-27*	.040		3	1.45	1.31
35 B 021	2CMD1-2AXX	C	33-44*	.040		3	1.45	1.31
35 B 024	1CMD1-2AXX-A22	D	2.5*	.040		3	1.75	1.58
35 B 030	2CMD1-2AXX-A24	E	33-44*	.040	53/64x9/32x13/64"	3	1.75	1.58
35 B 028	3DO5-5P	F	10-15oz.	.06-.09	5/8x29/32" dia.	12	1.75	1.58
35 B 029	3DC5-5P	F	10-15oz.	.03-.06	5/8x29/32" dia.	12	1.75	1.58
35 B 394	QPD-1000	G	20 oz.	.050	31/32x23/32" dia.	10	1.30	1.17

B SERIES SWITCHES WITH MICRO EQUIVALENTS

Stock No.	Mfr's Type	Micro Equiv.	Fig.	Oper. Force	Pre-travel‡	Size	Amps	NET EACH	
								1-9	10-Up
33 B 968	BRD2-5L	BZ-2RL	H	4-5 oz.	1/16	1x1 1/16x1 15/16"	10	1.65	1.49
33 B 969	BRD2-1A-1S†	BZ-2R-A2	J	9-13 oz.	.020	1x1 3/4x2 5/16"	15	1.65	1.49
33 B 970	BRD2-2M-1S†	BZ-2RL2-A2	K	5 oz.	.156	1x1 3/4x2 5/16"	15	2.25	2.03
33 B 971	BRD2-5L-1S†	BZ-2RL-A2	L	5 oz.	.156	1x1 3/4x2 5/16"	15	1.75	1.58
33 B 972	BRD2-7O-1S†	BZ-2RD-A2	M	9-13 oz.	.010-.025	1x1 3/4x2 5/16"	15	1.95	1.76
33 B 973	BRD2-1P-1S†	BZ-2RQ1-A2	N	9-13 oz.	.010-.025	1x1 1/16x1 15/16"	15	3.55	3.20

Centralab Switches

MINIATURE STEATITE SWITCHES



PA-2000 Series. Precision ceramic rotary switches. High Q, low-loss steatite body. Rated 2 amps @ 15 v. DC, 150 ma @ 110 v. AC. Oval-shaped, 1½x1⁵⁄₁₆" diameters; ½" spacing between sections. 30° indexing. Shaft 1⅞" long, ¼" diameter; bushing ⅜"-32 thread, ⅜" long. *Type 2042 has 1 off and 9 progressively shorting positions. Includes mounting nut, lock washer and 1¼" black pointer knob. Av. shpg. wt., 6 oz.

Shorting		Non-Shorting		Sec-tions	Total Poles	Pole Pos.	NET EACH	
Stock No.	Type	Stock No.	Type				1-4	5-Up
35 B 095	*2042	....	.....	1	1	2-10	2.12	1.80
34 B 900	2000	34 B 921	2001	1	1	2-12	2.32	1.98
34 B 901	2002	34 B 922	2003	1	2	2-6	2.32	1.98
34 B 902	2004	34 B 923	2005	2	2	2-12	3.32	2.83
34 B 903	2006	34 B 924	2007	1	3	2-5	2.32	1.98
34 B 904	2008	34 B 925	2009	3	3	2-12	4.23	3.60
34 B 905	2010	34 B 926	2011	2	4	2-6	3.32	2.83
34 B 906	2012	34 B 927	2013	4	4	2-12	5.09	4.33
34 B 907	2014	34 B 928	2015	1	5	2-3	2.32	1.98
34 B 908	2016	34 B 929	2017	5	5	2-12	6.09	5.18
34 B 909	2018	34 B 930	2019	1	6	2	2.32	1.98
34 B 910	2020	34 B 931	2021	2	6	2-5	3.32	2.83
34 B 911	2022	34 B 932	2023	3	6	2-6	4.23	3.60
34 B 912	2024	34 B 933	2025	6	6	2-12	7.06	6.00
34 B 913	2026	34 B 934	2027	4	8	2-6	5.09	4.33
34 B 914	2028	34 B 935	2029	3	9	2-5	4.23	3.60
34 B 915	2030	34 B 936	2031	2	10	2-3	3.32	2.83
34 B 919	2038	34 B 940	2039	3	15	2-3	4.59	3.90
34 B 920	2040	34 B 941	2041	3	18	2	4.59	3.90

MINIATURE PHENOLIC SWITCHES

PA-1000 Series. Rated 2 amps @ 15 v. DC, 150 ma @ 110 v. AC. 30° indexing, adjustable stop. 1½x1⁵⁄₁₆" diameters; ½" spacing between sections. Shaft, 1⅞x¼"; bushing ⅜x⅜". Mtg. hardware and 1¼" knob. Shpg. wt., 5 oz.

Shorting		Non-Shorting		Sec-tions	Total Poles	Pole Pos.	NET EACH	
Stock No.	Type	Stock No.	Type				1-4	5-Up
35 B 050	1000	35 B 065	1001	1	1	2-11	1.73	1.50
35 B 051	1002	35 B 066	1003	1	2	2-5	1.73	1.50
35 B 052	1004	35 B 067	1005	2	2	2-11	2.53	2.15
35 B 053	1006	35 B 068	1007	1	3	2-3	1.73	1.50
35 B 054	1008	35 B 069	1009	3	3	2-11	3.18	2.70
35 B 055	1010	35 B 070	1011	1	4	2	1.73	1.50
35 B 056	1012	35 B 071	1013	2	4	2-5	2.53	2.15
35 B 057	1014	35 B 072	1015	4	4	2-11	3.73	3.18
35 B 059	1018	35 B 074	1019	2	6	2-3	2.53	2.15
35 B 060	1020	35 B 075	1021	3	6	2-5	3.18	2.70
35 B 062	1024	35 B 077	1025	2	8	2	2.53	2.18
35 B 063	1026	35 B 078	1027	4	8	2-5	3.73	3.18

SEPARATE ASSEMBLIES FOR MAKING MINIATURE SWITCHES

Type PA Phenolic Sections Only. Carry the same ratings as above miniature switches. Excellent RF characteristics. Adjustable stop. With hardware. Shpg. wt., 2 oz.

Shorting		Non-Shorting		Total Poles	Pole Pos.	NET EACH	
Stock No.	Type	Stock No.	Type			1-4	5-Up
35 B 080	30	35 B 085	31	1	2-11	85¢	73¢
35 B 081	32	35 B 086	33	2	2-5		
35 B 082	34	35 B 087	35	3	2-3		
35 B 083	36	35 B 088	37	4	2		

Type PA Steatite Sections Only. Custom and standard switches can be assembled by using these sections. For use with PA-300 Series index assemblies, shown below. Shpg. wt., 2 oz.

Shorting		Non-Shorting		Total Poles	Pole Pos.	NET EACH	
Stock No.	Type	Stock No.	Type			1-4	5-Up
35 B 040	PA-0	35 B 045	PA-1	1	2-12	1.18	1.00
35 B 041	PA-2	35 B 046	PA-3	2	2-6		
35 B 042	PA-4	35 B 047	PA-5	3	2-5		
35 B 044	PA-8	35 B 049	PA-9	6	2		
35 B 238	PA-11	35 B 240	PA-18	1	2-11		

PA-300 Series. Shaft and Index Assemblies. Contains index, pointer knob, adjustable stop plate, spacers and fibre washers, tie bolts, nuts, lock washers and instructions. 30° indexing. Shpg. wt., 3 oz.

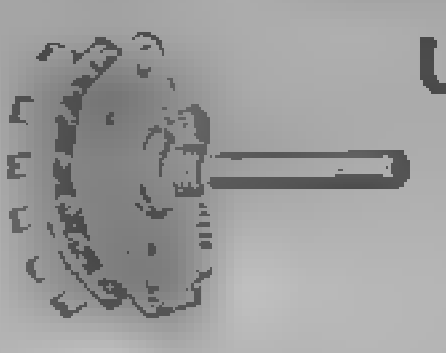
Stock No.	Mfr's Type	Shaft Length	Sections	NET EACH	
				1-4	5-Up
35 B 092	300	2"	1-3	1.35	1.15
35 B 093	301	4"	4-6	1.76	1.50
35 B 094	302	6"	7-9	2.32	1.98

SERIES 2500 SWITCHES—STEATITE INSULATION

Rotary switches. Excellent for RF use. Switch, 1⅝x1⅞" diameter. ½" spacing between sections for 1 and 2 section switches; 1" spacing for switches over 2 sections. Bushing, ⅜" dia.x⅜" long. Shaft, 1⅞". Positive 30° index; adjustable stop. Includes mounting nut, lockwasher, and 1¼" black pointer knob. Av. shpg. wt., 6 oz.

Shorting		Non-Shorting		Sec-tions	Total Poles	Pole Pos.	NET EACH	
Stock No.	Type	Stock No.	Type				1-4	5-Up
35 B 214	2500	35 B 225	2501	1	1	2-6	2.32	1.98
35 B 215	2502	35 B 226	2503	1	1	2-11		
35 B 216	2504	35 B 227	2505	1	1	2-5		
35 B 217	2506	35 B 228	2507	1	3	2-3		
35 B 218	2510	35 B 229	2511	2	2	2-6	3.32	2.83
35 B 219	2512	35 B 230	2513	2	2	2-11		
35 B 220	2514	35 B 231	2515	2	4	2-5		
35 B 221	2516	35 B 232	2517	2	6	2-3		
35 B 223	2522	35 B 201	2523	3	3	2-11	4.23	3.60
35 B 224	2524	35 B 202	2525	3	6	2-5		

UNIVERSAL AND INTERCOM SWITCHES



High-quality rotary action switches. Have laminat phenolic sections ⁵⁄₆₄" thick. Voltage breakdown is 1 volts rms to ground. Rating: 2 amp at 15 v. DC; 1 ma at 110 v. AC. Metal is cadmium-plated. All are indexing except 1443 and 1445 which are 15°. Shaft 1⅞" long, ¼" dia. full round. Bushing, ⅜"-32 thread ⅜" long. *1" behin panel. †¾" behind panel. §Positive in 2 pos., spring return in 3rd. All a non-shorting except ‡. Av. shpg. wt., 4 oz.

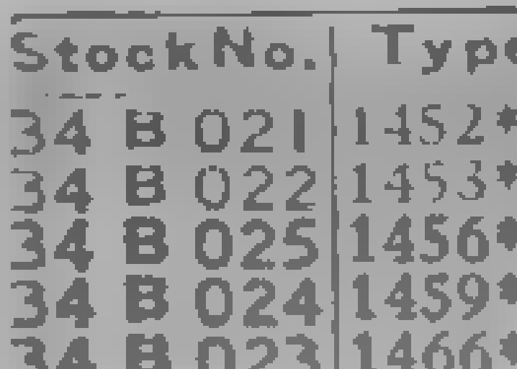
Stock No.	Mfr's Type	Description	NET EACH	
			1-4	5-Up
34 B 088	1443*‡	SP, 23 pos., with stop	2.12	1.8
34 B 085	1450†	4PDT	1.23	1.0
34 B 087	1451†	4PDT, spring-return	1.41	1.2
34 B 071	1448*	6P, 3 pos., spring-return	1.94	1.6
34 B 072	1449*§	6P, 3 pos.	1.94	1.6
34 B 074	1445*‡	SP, 23 pos., cont. rotation	2.12	1.8

INTERCOM AND RADIO SWITCHES

Rotary switches for use in radio-phonos, P.A. channel selectors, me switching, intercom talk-listen and speaker switching. Silver-plat spring brass clips; cadmium-plated metal parts. Rated 2 amps at 15 DC; 150 ma at 110 v. AC. Shaft, ¼" dia., 2⅛" long. Shorting conta except *non-shorting. †3 active positions with 5 amp., 110 v. AC swit 1472 is for AM-FM-phono selector use. Av. shpg. wt., 5 oz.

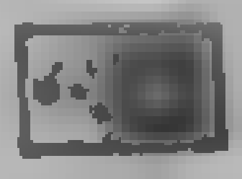
Stock No.	Mfr's Type	Description	NET EACH	
			1-4	5-Up
34 B 080	1460	SPDT phono-radio switch.	1.06	.90
34 B 081	1461	SP-3-position selector		
34 B 082	1462	DPDT bandswitch		
34 B 083	1463*	SPDT spring return	1.06	.90
34 B 084	1464*	DPDT spring return		
35 B 235	1472*	DP 3-position		
34 B 073	1465†	SP-4-position W/AC sw.	1.76	1.50

LEVER-ACTION SWITCHES



Low capacity. Use singly or in groups. *Shortin type; others non-shorting. Front plate and lev cadmium-plated. Index: †Positive; §Spring-Retur 1466, 1467 are Positive and Spring Return; ‡147 tube tester replacement switch. 1⅞x⁷⁄₁₆x1½". Mt ctrs., 1⅝". Knob and mtg. screws. Av. wt., 3 o

Stock No.	Type	Stock No.	Type	Poles	Pos.	1-4, EA.	5-Up, EA.
34 B 021	1452*†	34 B 026	1454†	2	3	1.23	1.05
34 B 022	1453*§	34 B 027	1455§	2	3	1.23	1.05
34 B 025	1456*§	34 B 030	1457§	4	2	1.41	1.20
34 B 024	1459*†	34 B 029	1458†	4	2	1.41	1.20
34 B 023	1466*	34 B 028	1467	2	3	1.23	1.05
....	....	35 B 198	1475‡	1	3	1.23	1.05



MOUNTING PLATES. For single or multiple mount. of lever-action switches. Black wrinkle finish steel. *Chrome-plated. Av. shpg. wt., 4 oz.

Stock No.	Type	Switches	Size	1-4, EA.	5-Up, EA.
34 B 050	P1755	1	¾x2⅝"	29¢	25¢
34 B 051	P1756	2	1½x2⅝"	29¢	25¢
34 B 052	P1757	3	2¼x2⅝"	29¢	25¢
34 B 053	P1758	4	3x2⅝"	29¢	25¢
34 B 060	P221*	2	2¼x4½"	62¢	53¢
34 B 061	P222*	1	2¼x4½"	62¢	53¢

SERIES 1400 SWITCHES—PHENOLIC INSULATION

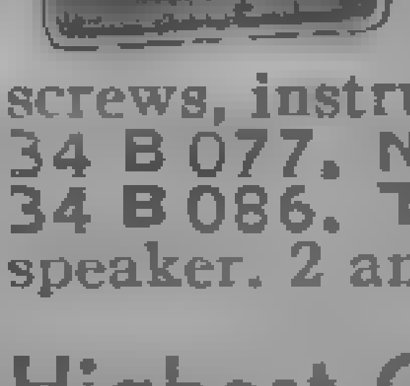
Laminated phenolic-insulated rotary switch for use in ban change and general tap switch applications. Compact design. Size: 1⅝x1⅞" dia. Bushings, ⅜x⅜". Shafts, 1⅞" ½" spacing between sections, except 1" on 3 and 4-section switches Rating: 2 amps at 15 v. DC; 150 ma at 110 v. AC. Has positive 30° indexing. With mtg. nut, washer, 1¼" knob. Av. shpg. wt., 6 oz.

Shorting		Non-Shorting		Sec-tions	Total Poles	Pole Pos.	NET EACH	
Stock No.	Type	Stock No.	Type				1-4	5-Up
35 B 182	1400	35 B 163	1401	1	1	2-6	2.06	1.75
35 B 183	1402	35 B 164	1403	1	1	2-11		
35 B 184	1404	35 B 165	1405	1	2	2-5		
35 B 185	1406	35 B 166	1407	1	3	2-3		
35 B 186	1408	35 B 167	1409	1	4	2		
35 B 187	1410	35 B 168	1411	2	2	2-6	2.53	2.15
35 B 188	1412	35 B 169	1413	2	2	2-11		
35 B 189	1414	35 B 170	1415	2	4	2-5		
35 B 190	1416	35 B 171	1417	2	6	2-3		
35 B 191	1418	35 B 172	1419	2	8	2		
35 B 193	1422	35 B 174	1423	3	3	2-11	3.18	2.70
35 B 194	1424	35 B 175	1425	3	6	2-5	3.18	2.70
35 B 197	1430	35 B 178	1431	4	8	2-5	3.75	3.18

P-270 Series. Shaft and Index Assemblies. Complete hardware fo 1400 Series switches, above. Also fits 2500 series steatite section (Spacers, tie-rods, etc.). 30° indexing. Shpg. wt., 3 oz.

Stock No.	Type	Shaft	Sections	1-4, EA.	5-Up, EA.
35 B 497	P-270	2"	1-3	1.35	1.15
35 B 499	P-272	8"	6-10	2.32	1.98

AUTO RADIO SPEAKER SWITCH



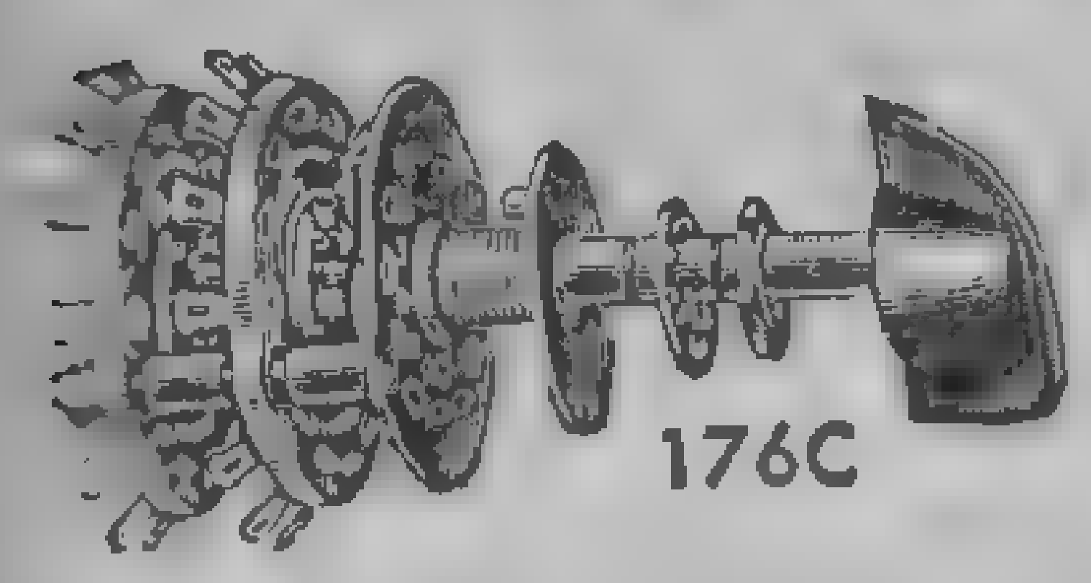
Type PK300 Switch Kit. Contains a complete assemb for switching between dual speakers such as auto rea seat and front seat. Etched dial-mounting plate; du speaker switch. Pointer knob is black, split knurl. Wit screws, instructions. Shpg. wt., 4 oz.

34 B 077. NET.......................................88

34 B 086. Type 1483 Switch. SP 3-pos. switch for rear deck aut speaker. 2 amp @ 15 v. DC. Silver-plated contacts. 2 oz. **NET** 7

Mallory Switches

CERAMIC SECTION SWITCHES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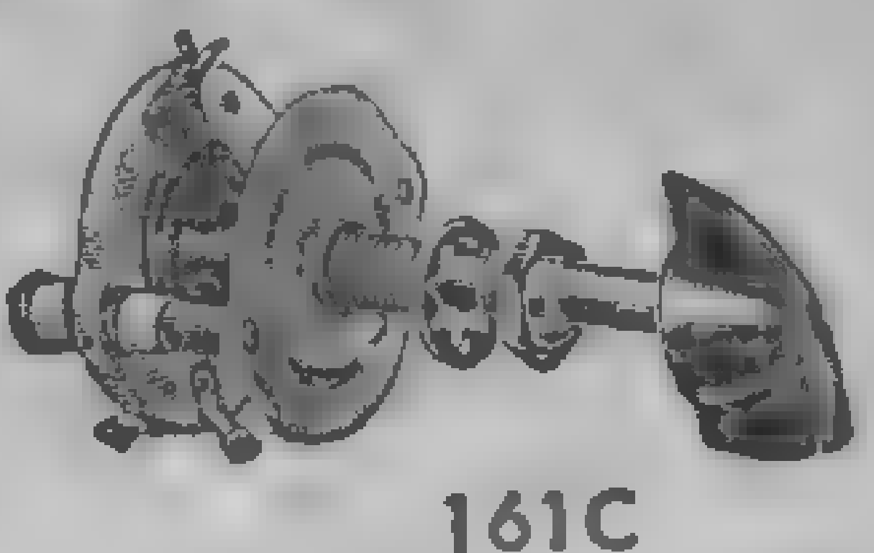
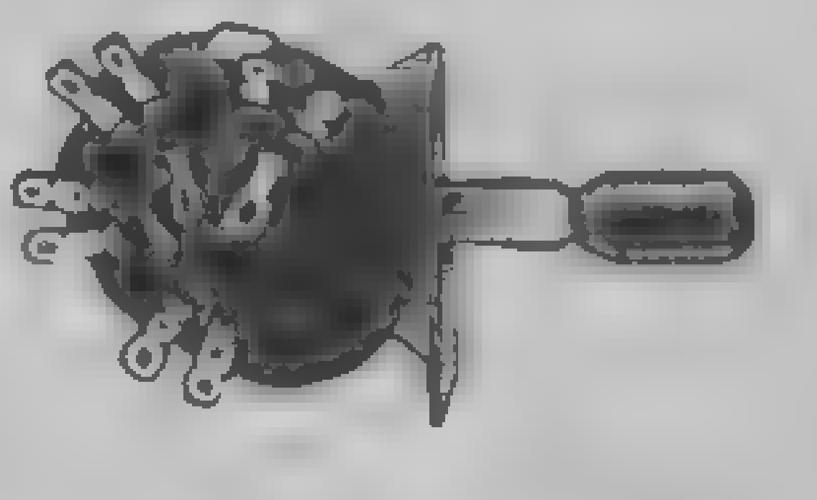

161C

-contact ceramic-section selector switches. For minimum RF losses. non-shorting. Silver plated contacts. Maximum non-breaking cur- stive load, 10 amps. 2 gang have wafers spaced ½" apart except 1⅞"; all others have 1" spacing between wafers. 30° indexing, †90°; 1¼" base dia.; use plates below and at right. 2" grooved knob and hardware. *Additional "Off" position. §Rated 1000 v. 100 watts. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Types	Gangs	Total Poles	Positions per Pole	NET EACH 1-4	NET EACH 5-Up
B 327	172C	1	1	11	2.33	1.98
B 328	173C*	1	2	5		
B 329	174C*	1	3	3		
B 331	176C	2	2	11	3.31	2.82
B 332	177C*	2	4	3		
B 333	178C*	2	6	3		
B 335	180C	3	3	11	4.23	3.60
B 336	181C*	3	6	5		
B 337	161C†§	1	1	4	2.12	1.80
B 338	162C†§	2‡	2	4	3.00	2.55
B 339	163C†§	3	3	4	3.88	3.30
B 340	164C†§	4	4	4	4.76	4.05
B 341	165C†§	5	5	4	5.64	4.80

488 **Dial Plate.** For 160C switches, above. Shpg. wt., 2 oz.
B 6[illegible]8. **NET**.......................................12c

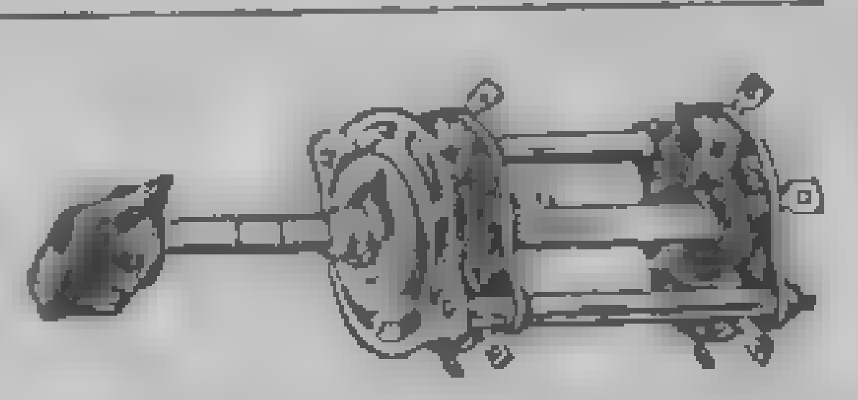
LEVER-ACTION SWITCHES



tive-indexing, lever action switches— shorting or non-shorting contacts. In- ng in 2, 3 or 4 positions with 20° spacing een positions. Types 6142, 6143 and have mounting brackets with round s spaced for 1⅝" centers. 5124 and 5224 elongated mounting holes in the brack- spaced 2³⁄₁₆" to 2⅜" apart. Phenolic resin lation. Maximum non-breaking current resistive load, 5 amps. With b and hardware. Shpg. wt., 4 oz.

SHORTING No.	SHORTING Type	NON-SHORTING No.	NON-SHORTING Type	Poles	Positions Per Pole	NET EACH 1-4	NET EACH 5-Up
B 382	5124	34 B 383	5224	2	4	1.34	1.14
B 365	6142	....	......	4	2	1.17	.99
B 366	6143	34 B 368	6243	4	3	1.17	.99

"HAMSWITCH" TYPE 151L



wo-section, 5-position switch; 1 pole per ction. Non-shorting type. Excellent for tching meter circuits. 2¼" spacing be- een sections. Rated at 1000 volts AC (rms) 1500 volts DC. 60° indexing between po- ons. With brass bushing ⅜" long, ⅜" dia. and 2" long, ¼" dia. shaft ooved at popular lengths for easy cutting. Complete with knob, nut lock washer. Shpg. wt., 6 oz.
4 B 318. **5-Up, EACH**.........2.25 **1-4, EACH**..........2.65

TYPE 13124L 24-POINT TAP SWITCH

gle circuit, 24 position, non-shorting switch. Continuous rotation. " bushing. 2" grooved shaft. Useful in test equipment. 15° indexing tween positions. With knob, dial plate and hardware. 6 oz.
4 B 295. **5-9, EACH**.............2.31 **1-4, EACH**..........2.71

MINIATURE PUSH-BUTTON SWITCHES

sh-button switches for limited-space applica- ons. Eight circuit combinations. All switches sted below are non-locking; contact is made only hen button is depressed. Silver contacts. Frame cadmium plated. Mount in single hole, 7⁄16" ameter, on panels up to ¼" thick. Mtg. radius 1¹⁄₁₆". Mtg. depth is 7⁄16" min. (Type 1011) and " max. (Type 1018). Voltage breakdown, 500 v. DC. Shpg. wt., 3 oz.

Stock No.	Type	Action	1-4, EA.	5-Up, EA.
34 B 432	1011	SPST—Make	.67	.57
34 B 433	1012	SPST—Break	.67	.57
34 B 434	1013	SPDT	.77	.66
34 B 435	1014	DPST—Make 2	.84	.72
34 B 436	1015	DPST—Break 2	.84	.72
34 B 437	1016	DPDT	1.02	.87
34 B 438	1017	DP—Make 2, Break 1	1.02	.87
34 B 439	1018	DPDT—Make before break	1.41	1.20

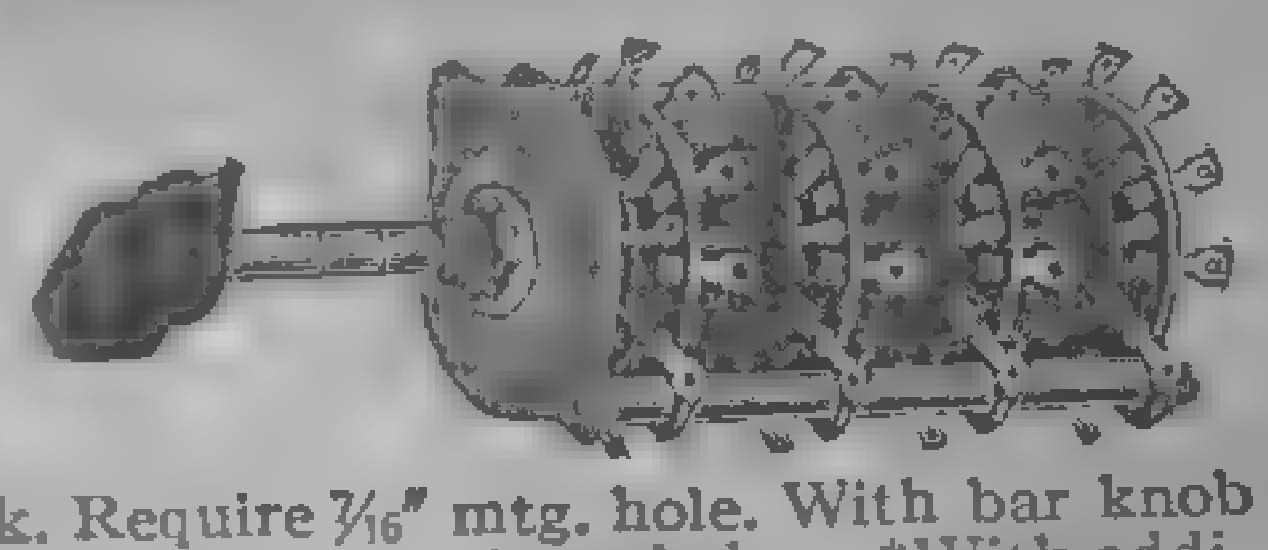
TYPE 3122 TV ANTENNA SWITCH

Efficient, high-quality antenna switch; for applications where 2 separate tennas are used with 1 set. Just turn the switch to select desired antenna. Easily mounts on TV rear safety panel. 1¼" dia; shaft, ¹³⁄₁₆", solder terminals. Complete with bar knob and all mounting hardware. Shpg. wt., 4 oz.
34 B 296. **NET**.......................................1.06

TYPE 1400L CIRCUIT OPENING SWITCH

Opens any one of 12 "lines" for insertion of current reading meter while "through" circuit is maintained on other 11 lines. Multiplying resistors can be wired so that when switch opens line, proper resistor is inserted in circuit. For test sets, tube checkers, etc. Shaft, ¼" dia.; length, 2". With bar knob, dial plate and hardware. Shpg. wt., 6 oz.
34 B 290. **5-Up, EACH**.....3.90 **1-4, EACH**............4.59

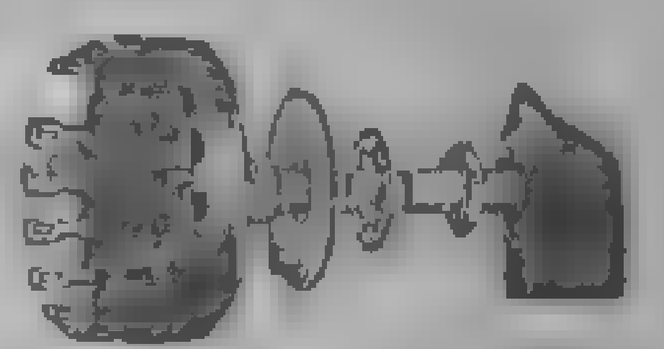
TYPE 1200L & 1300L MULTI-GANG SWITCHES



Versatile multi-gang switches for servicing and industrial applications. Have 1 fixed and 1 adjustable stop, silver-plated contacts, solid silver rotor contact slugs, and phosphor-bronze springs. 3- and 4-gang spaced 1"; all others ½". 2" notched shaft. Shorting-type make before break. Require 7⁄16" mtg. hole. With bar knob and hardware, less mtg. plate. Use **34 BB 600** plates below. *With additional "off" positions with all circuits open. Av. shpg. wt., 8 oz.

Shorting Stock No.	Shorting Type	Non-Shorting Stock No.	Non-Shorting Type	Gangs	Total Poles	Pos. Per Pole	NET EACH 1-4	NET EACH 5-Up
34 B 201	1211L	34 B 251	1311L	1	1	11	2.05	1.74
34 B 202	1215L*	34 B 252	1315L*	1	2	5		
34 B 203	1213L*	34 B 253	1313L*	1	3	3		
34 B 204	1212L*	34 B 254	1312L*	1	4	2		
34 B 206	1221L	34 B 256	1321L	2	2	11	2.53	2.16
34 B 207	1225L*	34 B 257	1325L*	2	4	5		
34 B 208	1223L*	34 B 258	1323L*	2	6	3		
34 B 209	1222L*	34 B 259	1322L*	2	8	2		
34 B 211	1231L	34 B 261	1331L	3	3	11	3.18	2.70
34 B 212	1235L*	34 B 262	1335L*	3	6	5	3.18	2.70
34 B 214	1241L	34 B 264	1341L	4	4	11	3.74	3.18
34 B 215	1245L*	34 B 265	1345L*	4	8	5	3.74	3.18
34 B 216	1251L	34 B 266	1351L	5	5	11	4.02	3.42
34 B 217	1256L	34 B 267	1356L	5	10	6	4.45	3.78
34 B 218	1261L	34 B 268	1361L	6	6	11	4.72	4.02
34 B 219	1266L	34 B 269	1366L	6	12	6	5.40	4.59

3100J & 3200J SINGLE-GANG SWITCHES



Compact, enclosed, low-voltage switches. Have 2" notched shaft; ⅜" threaded bushing, ⅜" long. With bar knob and nut. All 1¹¹⁄₁₆" base dia. types have adjustable stops. For band switching, etc. Use plates listed below. Shpg. wt., 4 oz.

Shorting Stock No.	Shorting Type	Non-Shorting Stock No.	Non-Shorting Type	Poles	Positions	Base Dia.	NET EACH 1-4	NET EACH 6-Up
34 B 300	3115J	34 B 350	3215J	1	5	1¼"	99c	84c
34 B 301	31112J	34 B 351	32112J	1	12	1¼"		
34 B 302	3122J	34 B 352	3222J	2	2	1¼"		
34 B 303	3123J	34 B 353	3223J	2	3	1¼"		
34 B 304	3126J	34 B 354	3226J	2	6	1¼"		
34 B 305	3134J	34 B 355	3234J	3	4	1¼"	1.02	.87
34 B 306	3142J	34 B 356	3242J	4	2	1¼"	1.02	.87
34 B 307	3143J	34 B 357	3243J	4	3	1¼"	1.02	.87
34 B 308	31117J	34 B 358	32117J	1	17	1¹¹⁄₁₆"	1.52	1.29
34 B 309	3129J	34 B 359	3229J	2	9	1¹¹⁄₁₆"	1.52	1.29
34 B 310	3136J	34 B 360	3236J	3	6	1¹¹⁄₁₆"	1.63	1.38
34 B 311	3163J	34 B 361	3263J	6	3	1¹¹⁄₁₆"	1.63	1.38

DIAL PLATES

Wide selection of dial plates for switches, potentiometers and rheostats. Types 372 to 390 for switches 1200L, 1300L and 1¼" base 3100J and 3200J; others for 1¹¹⁄₁₆" base 3100J and 3200J. Etched aluminum. Black background. 1¹³⁄₁₆" dia. 7⁄16" hole Shpg. wt., 2 oz.

30° SPACING FOR 1¼" BASE SWITCHES

Type	Marking	Type	Marking
372	1 to 2	384	Off 1 to 4
373	1 to 3	385	Off 1 to 5
374	1 to 4	386	Off 1 to 6
375	1 to 5	387	Off 1 to 7
376	1 to 6	388	Off 1 to 8
377	1 to 7	389	Off 1 to 9
378	1 to 8	390	Off 1 to 10
379	1 to 9	.....	....
380	1 to 10	.....	....
381	1 to 11	.....	....
382	1 to 12	.....	....
383	Off 1 to 3	.....	....

34 BB 600. **Specify Type.**
NET EACH.......................................

20° SPACING FOR 1¹¹⁄₁₆" BASE SWITCHES

Type	Marking	Type	Marking
453	1 to 3	474	Off 1 to 4
454	1 to 4	475	Off 1 to 5
455	1 to 5	476	Off 1 to 6
456	1 to 6	477	Off 1 to 7
457	1 to 7	478	Off 1 to 8
458	1 to 8	479	Off 1 to 9
459	1 to 9	480	Off 1 to 10
460	1 to 10	481	Off 1 to 11
461	1 to 11	482	Off 1 to 12
462	1 to 12	483	Off 1 to 13
467	1 to 17	484	Off 1 to 14
473	Off 1 to 3	486	Off 1 to 16

34 BB 650. **Specify Type.** 12c

FOR POTENTIOMETERS AND RHEOSTATS

Stock No.	Mfr's Type	Description	NET EACH
34 B 670	369	0-100 plate for volume control	21¢
34 B 620	391	Increase type plate for volume control	21¢
34 B 622	393	0-10 plate for rheostats and pots	21¢
34 B 624	396	0-10 plate for wire-wound controls	21¢
34 B 623	394	1-24 position; 15° opening	12¢

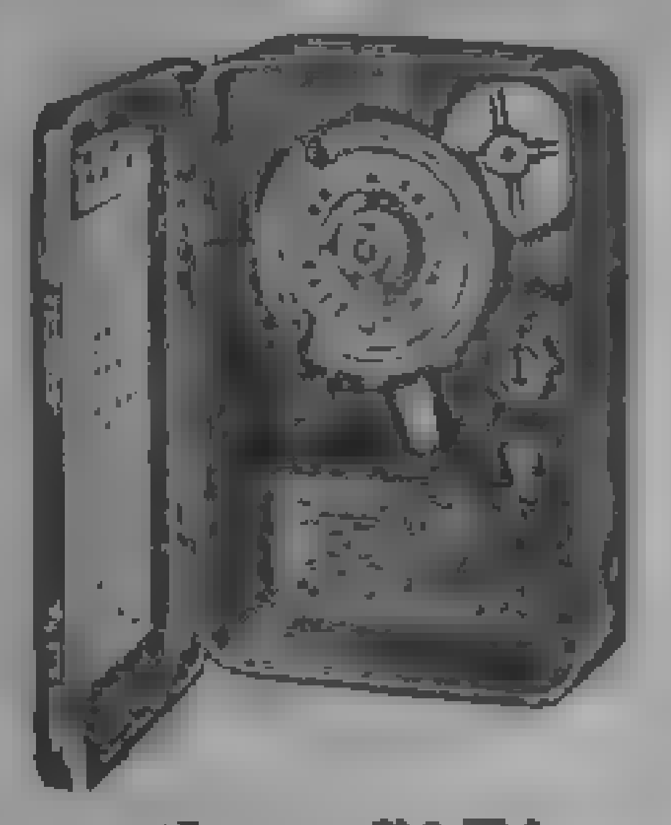
RB254 UNIVERSAL MOUNTING BRACKET

"L" shaped Universal Mounting Bracket for baseboard or rear support mounting of all Mallory circuit selector switches, volume controls and jacks. Shpg. wt., 2 oz.
34 B 420. **NET**.......................................15c

LARGEST STOCKS—BEST SERVICE

Make Allied your headquarters for all your electronic needs. Our largest stocks and world's finest order-handling facilities assure you of efficient, personalized service and immediate shipment.

Time Switches and Program Timers



"SKIPPER" TIME SWITCHES

Handle up to 12
On-Off operations—
Can be set to skip
one or more days—
U.L. Approved

Type T171

Permit "skipping" control cycle. Have 2 dials: a time dial and a day dial. To skip any days, small skipping screws are inserted into the day dial. "On" and "off" trippers are set in the time dial. Special "cutout" tripper advances the day dial every 24 hours. Up to 12 on and off operations per day can be obtained by adding extra "on and off" trippers. Range: minimum "on" or "off" time, 1 hour; maximum, 23 hours. Switch may be operated manually. Automatic reset resumes time cycle. Silver contacts are rated 35 amps at 125 volts (4000 watts). Steel case; gray finish. With three skipping screws, one on-cutout and one off tripper, and instructions. 7¾x5x3". U.L. Approved. For 110-120 volts, 60 cycle AC. Shpg. wt., 4 lbs.

Stock No.	Type	Action	List	NET
78 B 315	T171	SPST	$17.95	11.67
78 B 316	T173	DPST	19.95	12.97
78 B 317	T175	SPDT	19.95	12.97

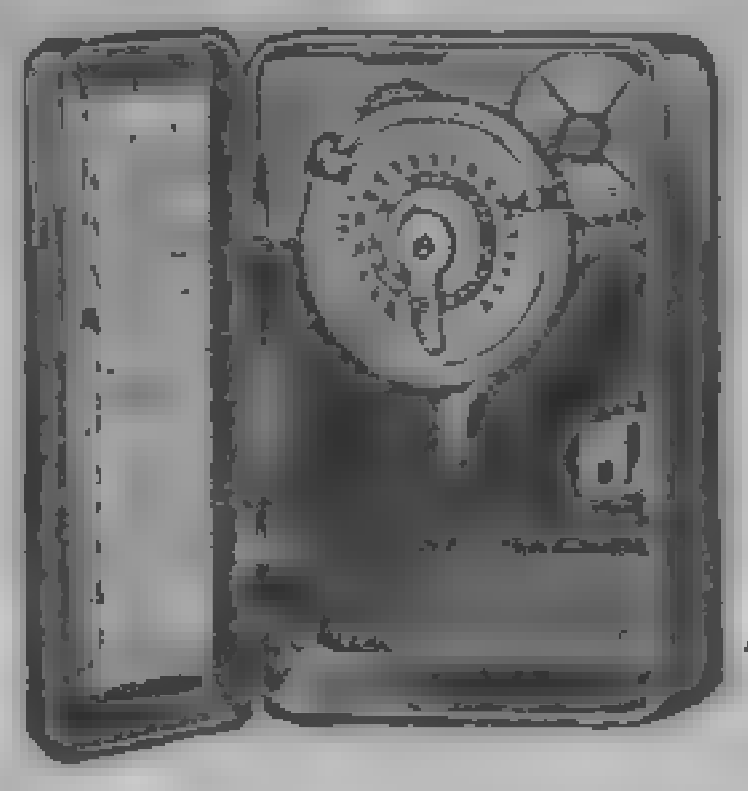
TRIPPERS & SKIPPING SCREWS

Type 107T19A. On-Cutout Trippers. Replacement for "Skipper" types only. Shpg. wt., 3 oz.
78 B 319. NET EACH..........20c

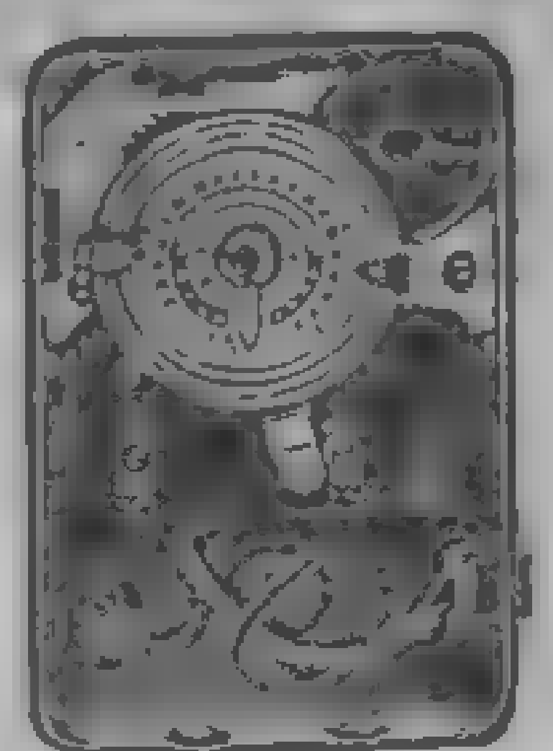
Type 79T8A. Skipping Screws. For "Skipper" types only. Shpg. wt., 8 oz.
78 B 364. Pkg. of 2, EACH PKG....9¢

Type 107T8A, Set of "On and Off" Trippers. For all Inter-Matic switches (except T185). Shpg. wt., 2 oz.
78 B 324. NET PER SET..........26¢

INTER-MATIC TIME SWITCHES

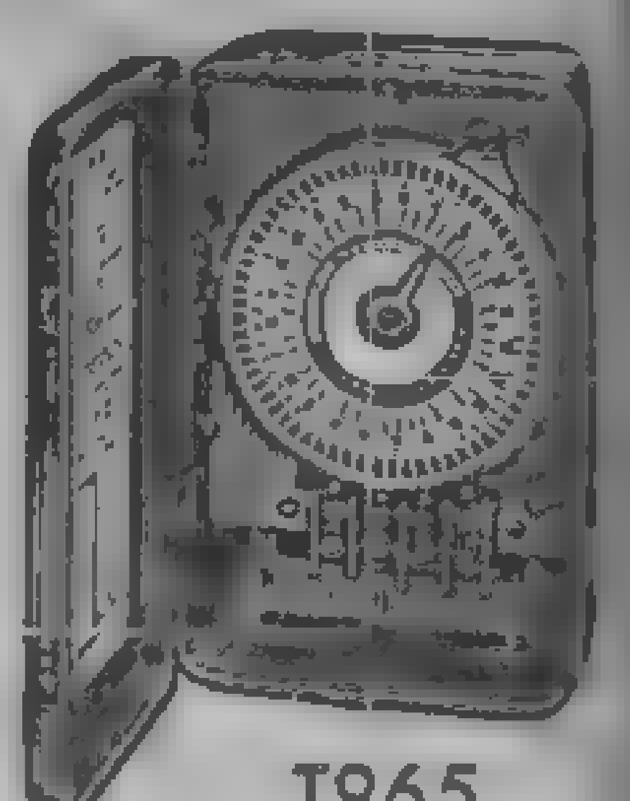


T101



P101

T185



T965

TYPE T101 TIME SWITCH

Inter-Matic SPST time switch turns equipment "on" and "off" once in 24 hours. With extra trippers (uses Type 107T8A, at left) will operate up to 12 times a day. Trippers can be added without removing the dial. Minimum time between settings is 1 hour. Manual operation does not interfere with settings. 35 amp contacts will handle a 4000 watt load at 125 v., 60 cyc. Gray steel case with knockouts. Size, 5x3x7⅞". U.L. Approved. For 110-120 volts, 60 cycle AC. Shpg. wt., 4 lbs.
78 B 322. List, $11.95. **NET**.........7.77

Type T103. As above, but DPST.
78 B 321. List, $13.95. **NET**..........9.07

Adapter Kit. Handy adapter kit makes the above units portable. Consists of 6 ft. cord, plug, etc. 10 amperes. Shpg. wt., 1 lb.
78 B 323. NET.....................1.12

TYPE P101 TIME SWITCH

Portable type, SPST plug-in time switch. Simple to install. Improved version carries a much heavier load than earlier models. Will handle any appliance that plugs into regular outlets. Provides many uses in the shop, store, or home. Easily set for from 1 to 12 on-off operations per day. Minimum "on" or "off" time, 1 hr.; maximum, 23 hrs. Controls lamps, signs, electric roasters, radios, TV sets, etc. Can be used with up to twelve trippers May also be manually operated. Capacity: 10 amps at 125 volts. 5x3x7⅞". U.L. Approved. For operation from 110-120 v., 60 cycle. AC. Shpg. wt., 4 lbs.
78 B 314. List, $13.95. **NET**.........9.07

TYPE T185 TIME SWITCH

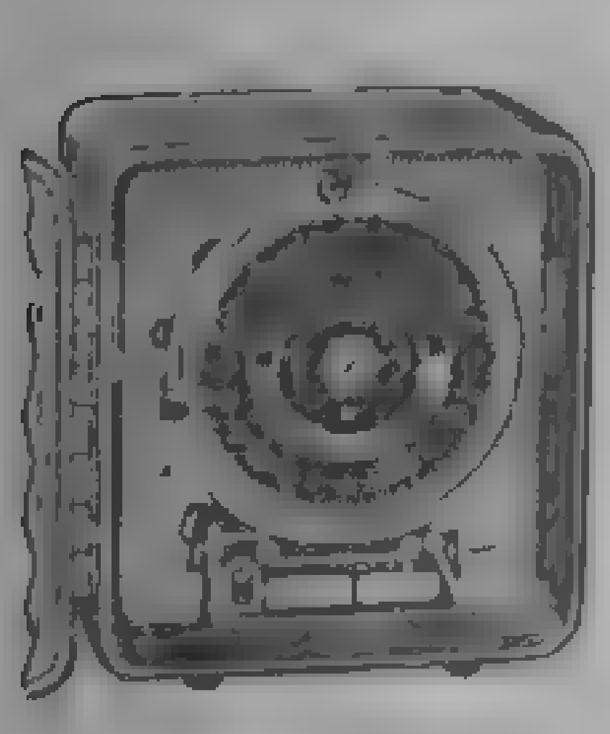
Versatile switch that provides up to 14 "on-off" cycles. Each cycle is independently controlled and can vary from 5-60 min. Minimu interval between cycles, 1¾ hrs. Can be used SPST normally open; SPST normally close or SPDT. Perfect for applications requiri more than one "on-off" cycle in a 24-hou period. Up to 12 combination trippers may b placed on the 24-hour time dial at one time Rated 35 amps, 125 v., AC. Supplied with trippers (1 for each "on-off" cycle). Size, 7¾ 5x3". U.L. and C.S.A. Approved. For 110-12 volts, 60 cycle AC. Shpg. wt., 4 lbs.
78 B 313. List, $17.95. **NET**.........11.6

Extra Trippers. For above. 4 oz.
78 B 336. NET EACH................84

TYPE T965 TIME SWITCH

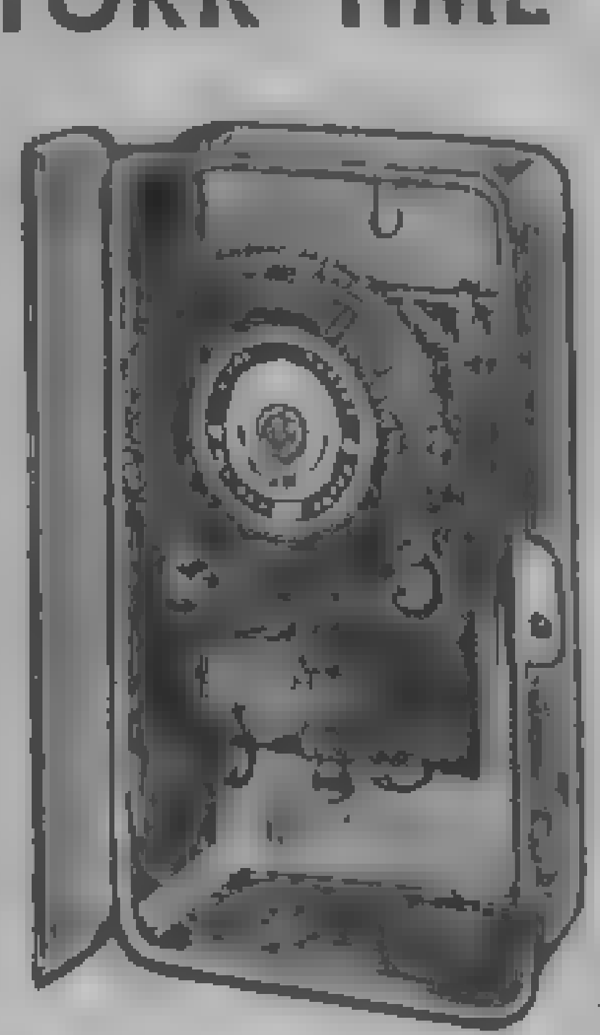
Program timer for up to 96 operations in a hour period. Minimum "on" or "off" period 15 minutes. Can be used for 24 hour control heating, ventilating and air conditioning systems. Ideal for programming industrial mus systems. Easily set by depressing trippers located on dial face. Trippers are permanent attached—cannot be misplaced. Large termi screws on bakelite board allow easy hooku Switch is SPST type, rated 20 amps. Will repeat timing cycles without resetting. Synchronous motor is low speed, high torque typ 7⅞x5x3". U.L. Approved. For 110-120 v., cycle AC. Shpg. wt., 3 lbs. *$2 Down.*
78 B 395. List $37.50. **NET**.......24.3

TORK TIME SWITCHES—INTERVAL TIMERS—PROGRAM TIMER

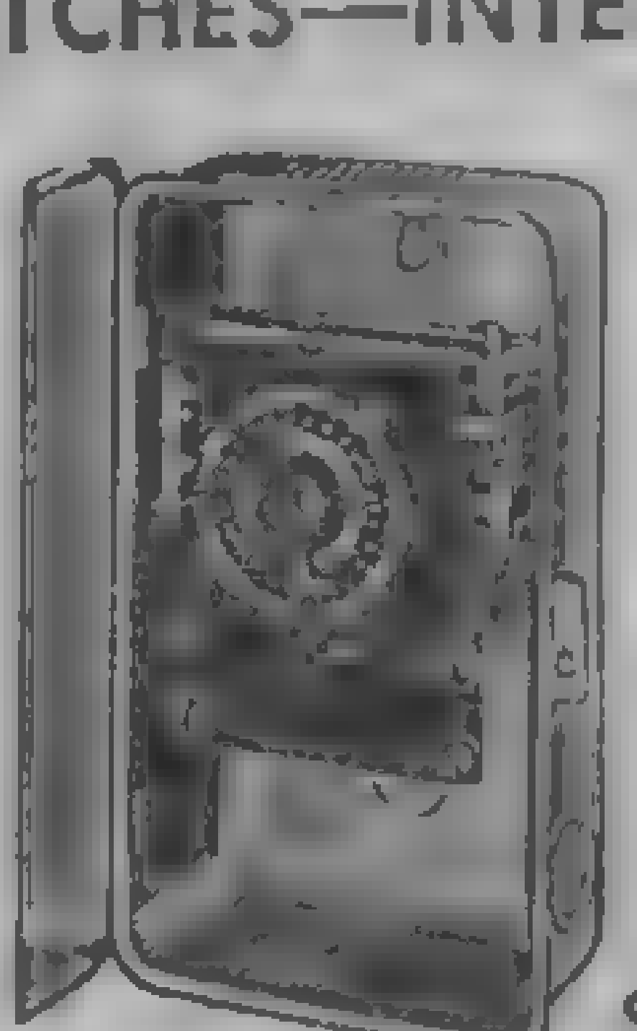


919

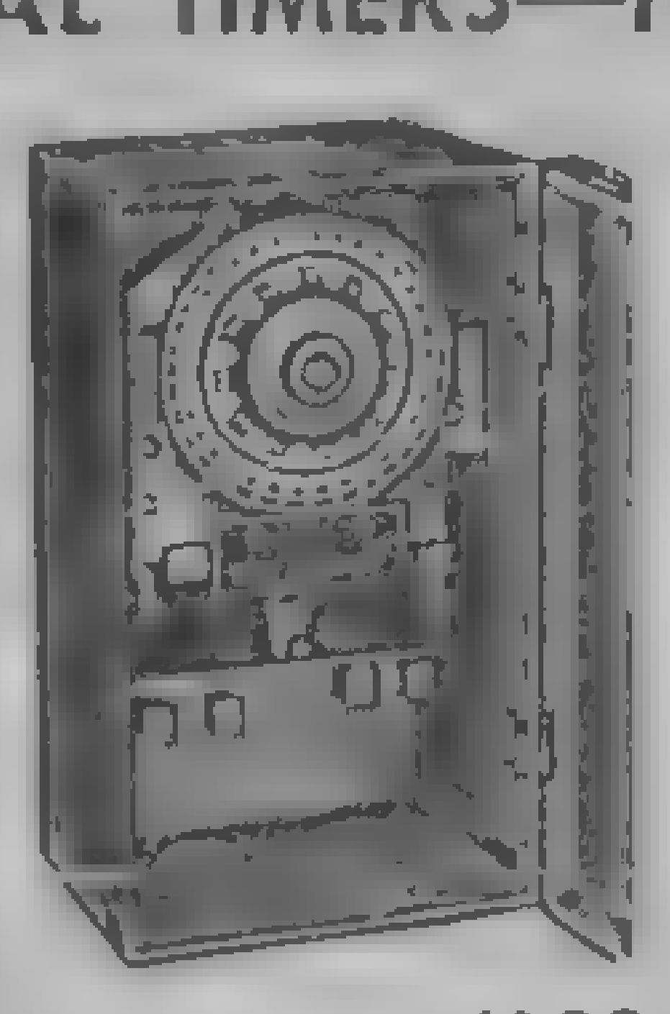
- Ruggedly Built
- Easy to Use
- U.L. Approved



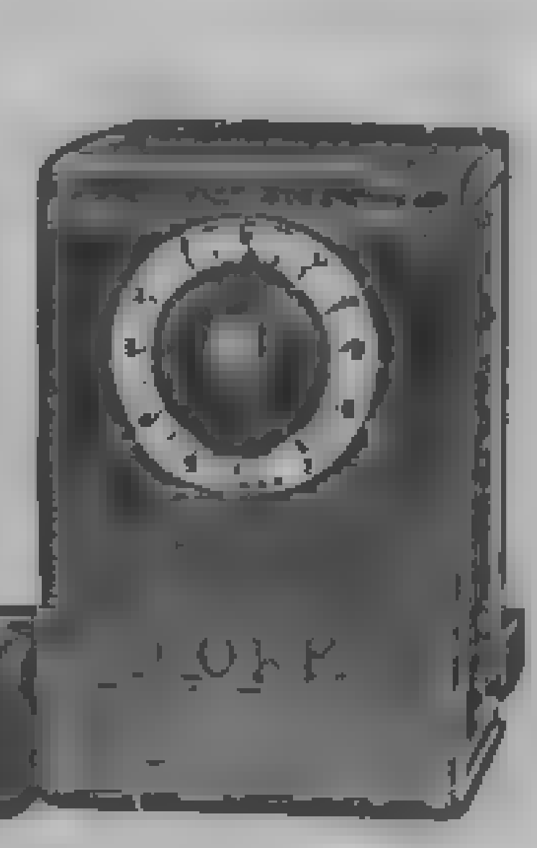
8001



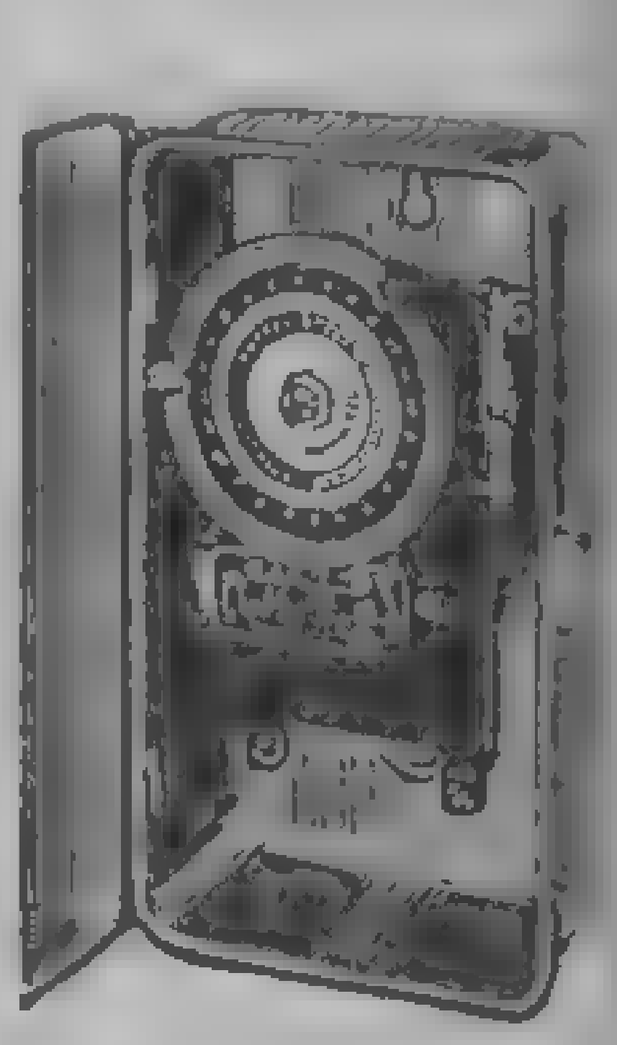
948



4100



2925-P



1191

MODEL 919 PORTABLE PLUG-IN

Portable, 24-hour, plug-in time switch—fully automatic. Accurate, rugged, dependable. Operates air conditioners up to ½ ton, TV sets, house lighting, any appliance. Can be set for periods from 45 minutes to 23 hours, 15 minutes, in 15 minute intervals. Large face is easy to read; extremely simple to set. On-off levers for manual setting. Heavy-duty timing motor. Capacity 10 amps, 1100 watts. 5½x4¼". U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 3¼ lbs.
78 B 304. List, $14.95. **NET**.........9.72

Extra Trippers. For above. Pair, 3 oz.
78 B 309. NET PER PAIR...........35¢

MONTGOMERY PROGRAM TIMER

MODEL M-24. Synchronous program clock providing schools, factories, with automatic control of buzzers, bells, etc., on a 24-hour schedule. Easily adjustable; also has manual operation. Signals are adjustable at 5 minute intervals; variable duration from 4-20 seconds. Mechanism set to correct time by turning clock hands. 10 amp contacts. Easily installed by anyone with some practical wiring experience. With instructions. 11x8x4". U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 12 lbs.
78 BX 351. *$5 Down.* **NET**..........87.71

MODEL 8001 PROGRAM TIMER

Provides almost any timing combination of intervals which are multiples of 15 minutes. Combination repeats each 24 hours. 10-amp single-pole switch. 8½x5⅜x4⅛". U.L. Approved. For operation from 110-120 v., 60 cycle AC. Wt., 4 lbs.
78 B 299. List, $27.95. **NET**.........18.17

MODEL 948 "TORKMASTER"

Recommended for low-cost installations where the same on-off time is required every day. Automatically turns electrical equipment "on" and "off" once over a 24-hour period. Minimum setting of timer is 2 hours. Easy to read, 24-hour dial is calibrated in 15-minute intervals. Switch is single pole with contacts rated at 35 amps. Ideal for window lights, hallways, coal stokers, etc. May be opened by hand without disturbing adjustments. Screw terminals. 8½x5⅜x4⅛". U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
78 B 308. List, $11.95. **NET**.........7.77

MODEL 4100 "HOURMASTER"

Here's a highly versatile, heavy-duty, SPST time switch. Features combination 1-hour and 24-hour timing operation. Provides up to 24 hourly "on" cycles. Each "on" cycle may be accurately set in 1-min. intervals for durations from 2 to 55 minutes. The operation as set on the 1-hour dial, may occur at any hour or hours of the day as set on the 24-hour dial. Can operate every 1, 2, 3, 4, 6, 12, or 24 hours. Use to control poultry feeding, crop curing, pumps etc. 30 amps. 8½x5⅜x4⅛". U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 9 lbs.
78 B 295. List, $29.95. **NET**........19.47

SERIES 2925-P INTERVAL TIMERS

Interval timers for automatic timed operatio of electrical appliances rated up to 1100 watt Can be set for any time interval up to the max mums shown below. Ideal for timed control roasters, waffle irons, sun lamps, etc. Setting pointer to desired time closes SPST 1 ampere switch and starts interval—when tim has elapsed, switch opens automatically. Buil in AC receptacle. White enamel finish. Wit cord and plug. 4½x3½x3". U.L. Approve For 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs

Stock No.	Type	Max. Setting	List	EACH
78 B 362	2925-1P	1 Hour	$24.95	16.22
78 B 347	2925-4P	4 Hours		
78 B 348	2925-12P	12 Hours		
78 B 349	2925-24P	24 Hours		

MODEL 1191 "LITTLE GIANT"

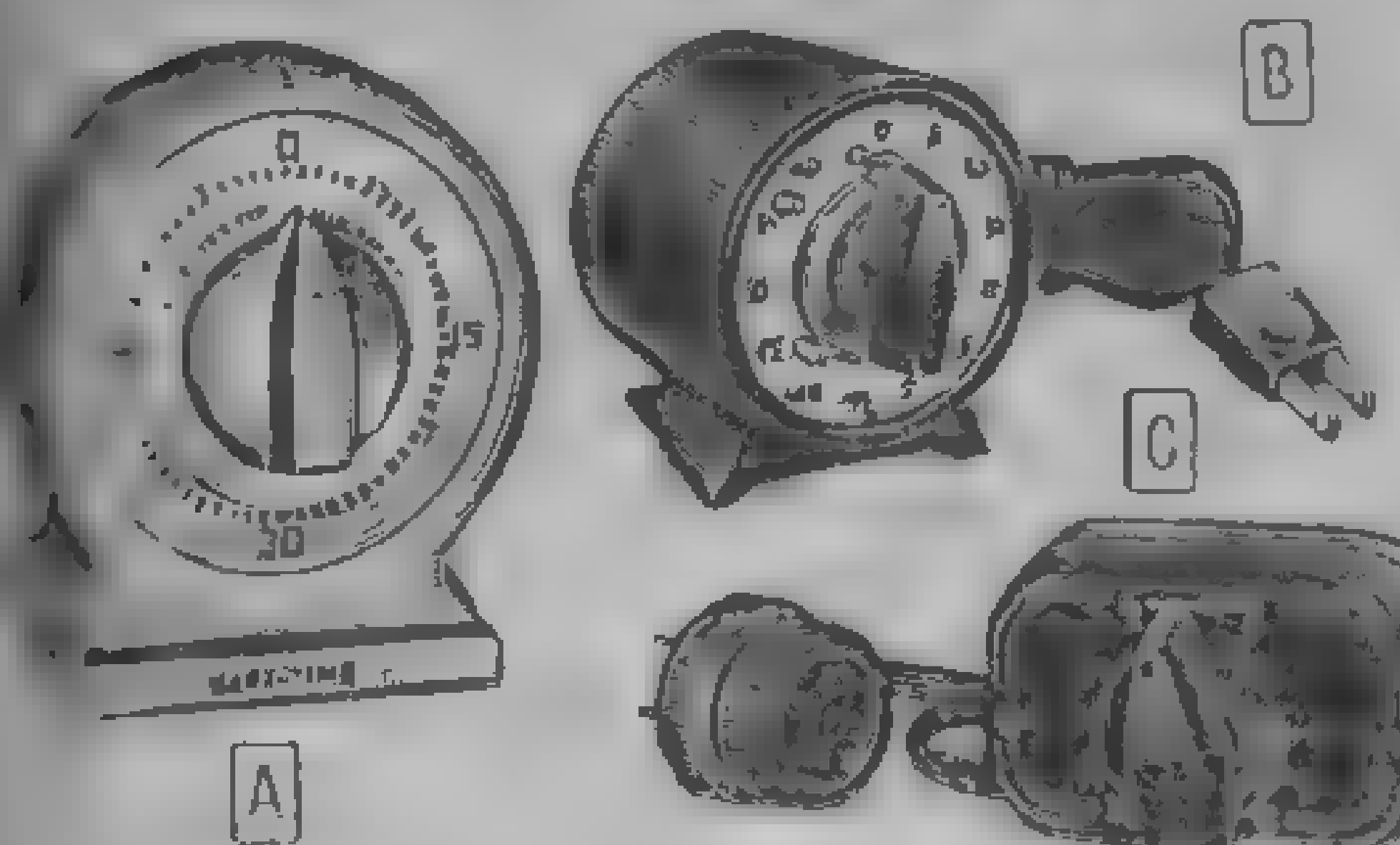
Automatically turns electrical gear "on an off" at any pre-set time, once every 24 hours On-off dial calibrated in 15 minute intervals. min. required between settings. For 35 amp 3500 watt lighting load (4000 watts heatin load) or 1 h.p. single phase motor. Manu operation also. 8½x5⅜x4⅛". U.L. Approve For 110-120 v., 60 cycle AC. 4 lbs.
78 B 302. List, $14.95. **NET**.........9.72

MODEL 7D1191. As above, but dial revolve once a week; automatic control each day or an combination of days. Min. setting, 2 hours.
78 B 296. List, $27.95. **NET**.........18.17

MODEL 1191SK. Similar to 1191, but can set to skip 1 to 6 days a week.
78 B 297. List, $17.95. **NET**..........11.6

Clock Timers and Foot Switches

MARK-TIME TIMERS



MODEL 2090 UTILITY TIMER

ompact, tip-resistant manual timer at w cost. Accurately times countless hold activities up to one hour. Has to-read dial calibrated in minutes. At- e white finish blends with any sur- ng. 3⅜x3x2½". Shpg. wt., ¾ lb.
3 262. List, $3.95. NET.........2.97

05 PROFESSIONAL TIME SWITCH

Dependable timer for automatically rning electric equipment off at any t time up to one hour. Rated 10 amps. l. U.L. Approved. 3⅜x3x3½". For 125 v., 60 cycle AC. Shpg. wt., 1 lb.
3 263. List, $7.95. NET..........5.95

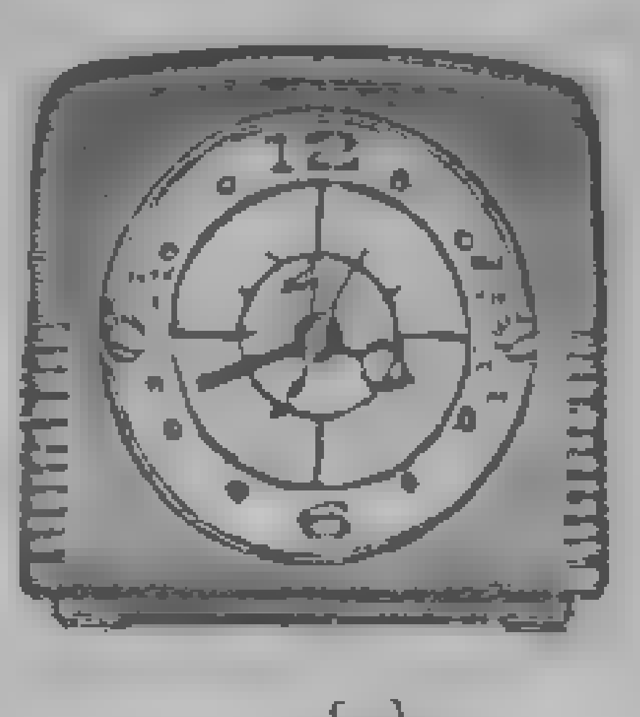
el 78174 Photographic Time Switch. As e, but times up to 60 seconds. Has ad- ble stop for repeat settings.
3 264. List, $8.95. NET.........6.72

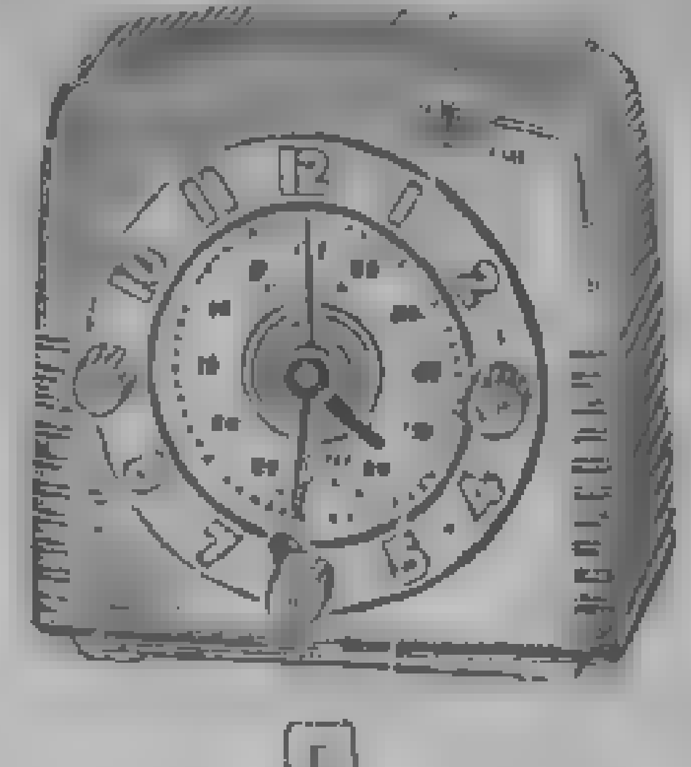
9706 PORTABLE TIME SWITCH

Excellent timer for automatically con- rolling electrical home appliances. Sim- lug appliance into unit, set timer for up -minute duration—shuts appliance off red time. Rated 10 amps. 3¾x2x1¼". 110-120 v., 50 cycle AC. ¾ lb.
3 265. List, $5.95. NET........ 4.56

el 9702 Time Switch. As above, but for o 12 hours.
B 266. List, $6.95. NET......... 5.21

INTERMATIC TIMERS



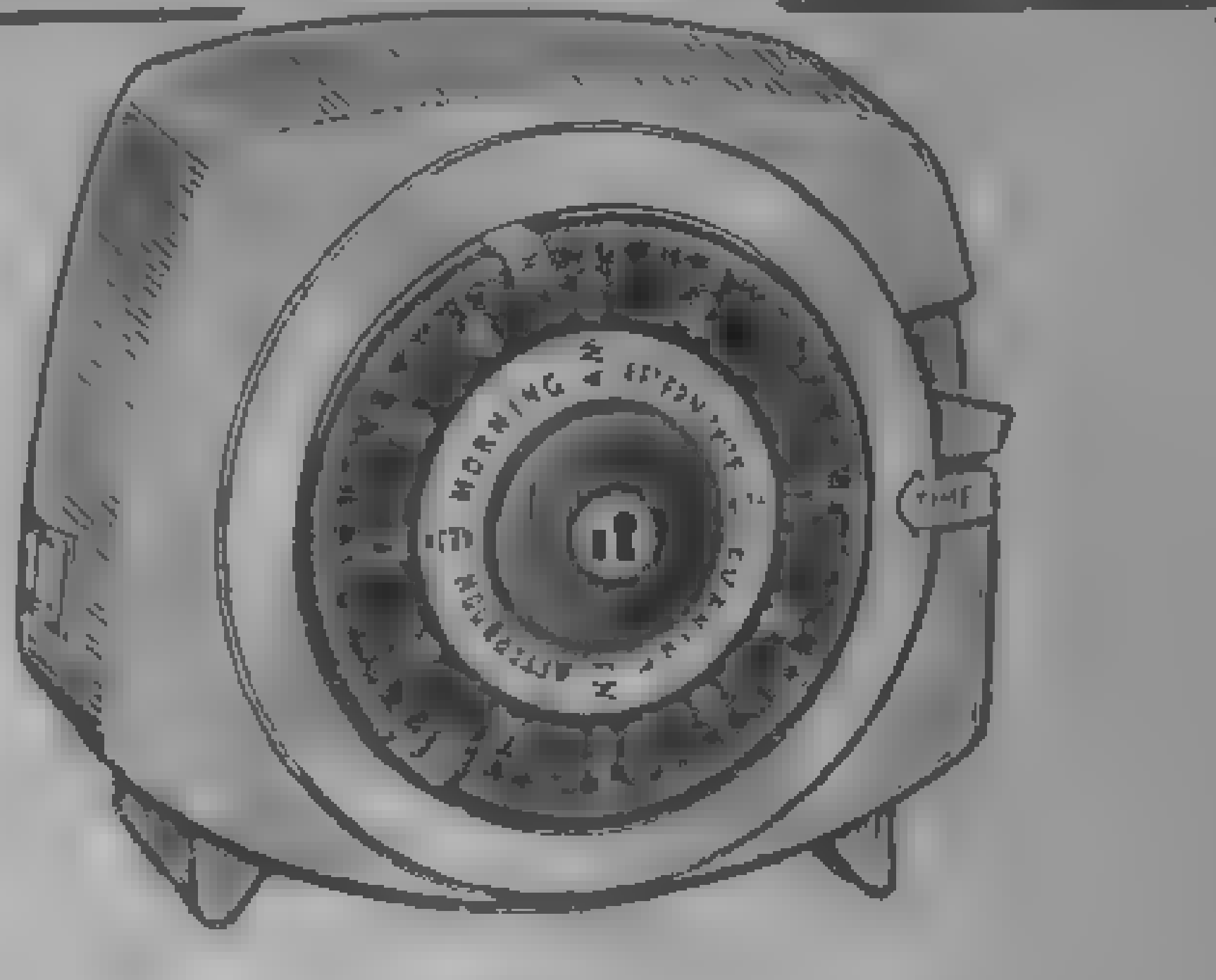


MODEL A-501 "CLOCK-TIMER"

D Combination clock and time switch. For automatically turning appliances "on" and "off" at pre-set times. Also excellent for controlling radio, TV and high-fidelity systems. Built-in alarm can be set to sound 10 minutes after electrical unit is automatically turned "on". A 0-60 minute sleep switch can be set to turn appliance or radio off as desired. Housed in a smart plastic case, finished in beige to blend with any decor. Has built-in appliance receptacle rated 15 amps, 1875 watts. 6 foot cord. 4½x4¾x2¼". U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs.
78 B 267. List, $11.95. NET........7.97

MODEL A-301 "TIME-MINDER"

E Combination electric clock and signal timer. Can be set to time any pre-set interval from 1 min. to 4 hrs. Pleasant toned buzzer sounds at end of interval and keeps going until turned off manually. An excellent signalling device. Timer is accurate within seconds and easily set with large, easy-to-read pointer. Plastic case. Clock and timing interval are both set from front panel. No installation is necessary—just plug the timer in. U.L. Approved. Has 6-ft. cord and plug. 4½x4¾x2¼". For 110-120 v., 60 cycle AC. Wt., 2 lbs.
78 B 342. List, $8.95. NET.........5.97



A-211
- Exceptionally Easy to Operate
- No Special Installation Required

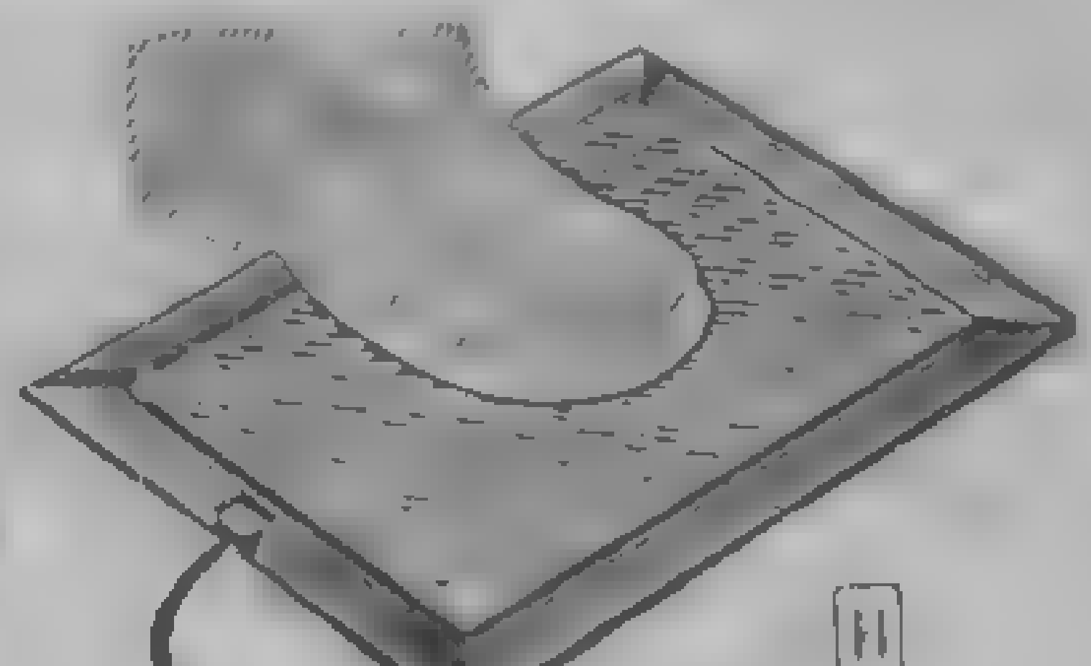
MODEL A-211 "TIME-ALL"

Time control switch for office, store or home. Excellent for controlling lights or appliances, etc. Has manual control with automatic reset. Turns lights "on" and "off" at pre-set times—gives house a "lived in" look to discourage prowlers while owners are out or away on a vacation. To revert to control cycle, simply release manual control from "permanent" position.

Min. "on" time, 15 min.; max., 23 hrs., 45 min. AC outlet for equipment to be controlled. Switch contacts will handle 15 amps, 1650-watt load. Supplied complete with 6-ft. cord, plug and instructions. Size, 5x4x2½". U.L. Approved. For 110-120 volts, 60 cycle AC. Shpg. wt., 2 lbs.
78 B 311. List, $11.95. NET........7.97

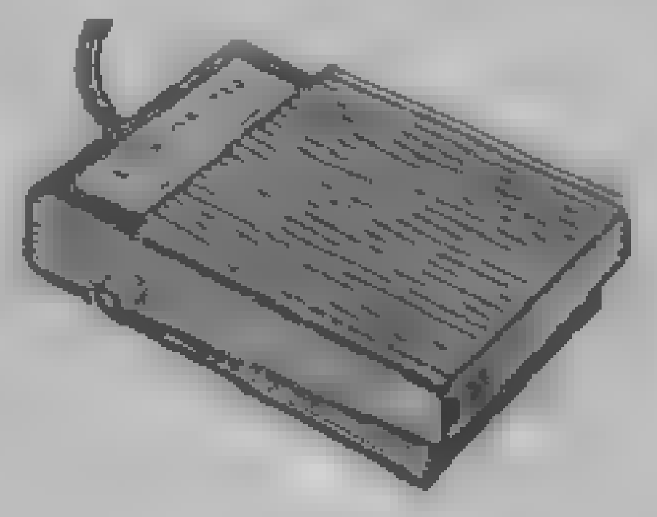
Model A-221. Same quality time switch unit as described above, but designed to handle 7 amps, 875-watt load. Excellent for use in such light-duty applications as the automatic control of hi-fi music systems, home lights, etc. Shpg. wt., 2 lbs.
78 B 397. List, $10.95. NET.......7.29

FOOT SWITCHES



Linemaster Model T-51-S "Treadlite". A compact, ruggedly constructed foot h at low cost. For low amperage loads. DT momentary contact; may be wired rmally open or normally closed. Rated 5 ps, 110-250 volts. Has rubber treading; d-proof rubber base pad. Black crackle sh casing. 1x2⅝x3½". Wt., 7 oz.
B 383. NET....................2.75

del T-51-S. As above, but with 6′ cord d series plug. Shpg. wt., 7½ oz.
8 B 384. NET.....................4.00



ectromatic Model 10. Snap-action foot itch. Provides an ficient means of itching electric otors and machines and off. Promotes iety—operator can stantly stop machine y releasing pressure on switch. Normally pen SPST switch, 10 amps, 115 v. AC. Metal case, 1x3x4¼". Complete with 6′ e cord. Shpg. wt., 1 lb.
78 B 382. NET....................5.48

ecora "Switchmat". (Not Illus.) Stepping n the "Switchmat" closes circuit that may e used to ring bells, operate door-opener, tc. Durable, corrugated vinyl-plastic mat nceals SPST switch (normally off). For e on bare floors, platforms, etc. Sensitive o any force over 5 lbs. Resistant to oil, cid, most common chemicals, etc.

G Recora "Announcemat". Low-cost, practical alarm system for stores, homes, offices, etc. Signals the presence of visitors or intruders. 5⁄16" thick, heavily ribbed brown vinyl plastic. Completely protected—resistant to cleaning compounds, oils, acids, and most chemicals. Lies completely flat on floor. Plugs easily into wall outlet. With 18x30" commercial-type Switchmat, transformer with 6-ft. cord and plug, 25-ft. cable and chime signal alarm. For 110-120 v., 60 cycle AC. Shpg. wt., 19 lbs.
78 BX 358. *$2 Down.* NET.......23.96

H Recora Type NF-2 "Neptune" Switch. Easy operating foot switch—frees both hands for work. SPST contacts rated 7 amps at 110 v. AC. Waterproof, brown plastic construction. Use indoors or out. With 6-ft. cord. ⅜x6x8". Shpg. wt., 2 lbs.
78 B 292. NET...................5.49

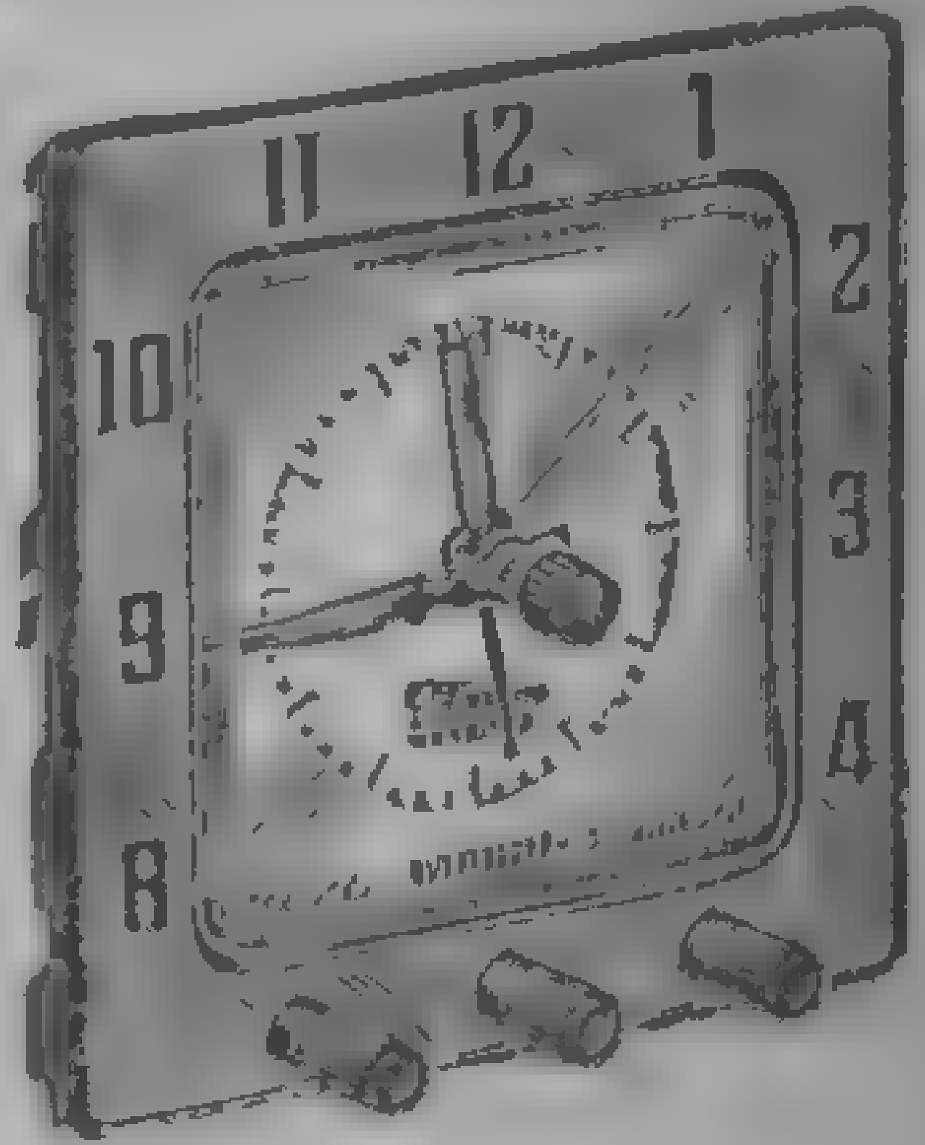
Type PSN-2. As above, with addition of series plug-socket—allows switch to be plugged into AC outlet with controlled apparatus plugged into socket. 2¼ lbs.
78 B 293. NET...................6.27

The "Switchmat" provides highly reliable operation both indoors and out. Controls 110-volt circuit with non-inductive loads up to 100 watts. Brown color; available in choice of two sizes. Mats are ⅜" thick. Both mats come supplied with 10-foot leads.
78 BX 355. 14x23". 6½ lbs. NET..15.20
78 BX 356. 18x30". 10 lbs. NET....21.60

TELECHRON CLOCK-TIMER

Electric
Clock and
Automatic
Time Switch

Turns on TV,
Radio, Hi-Fi
Music System,
or Appliance
At Pre-set
Time

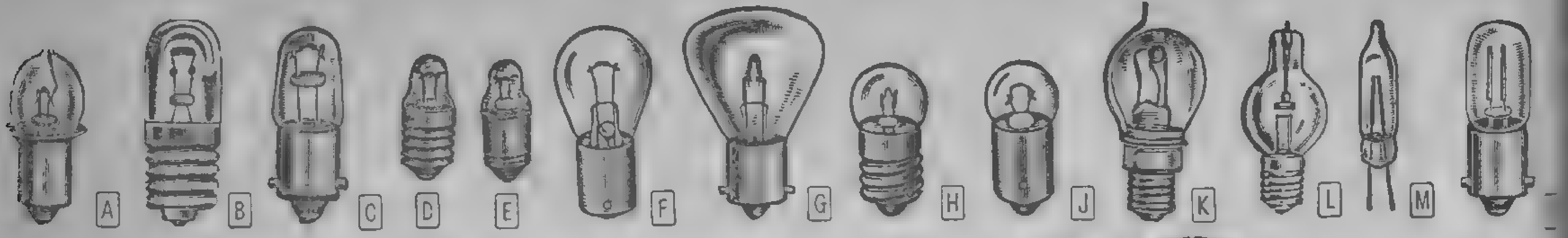


An excellent value in a famous-name, combination electric clock and automatic time switch. Unit can be used for control of an AC radio, hi-fi music system, air conditioner, coffee-maker, hot plate, etc. Plenty of uses in the shop, Amateur station and laboratory, too—"warms up" equipment at any pre-set time. The built-in SPST switch is rated 15 amps at 125 volts AC.

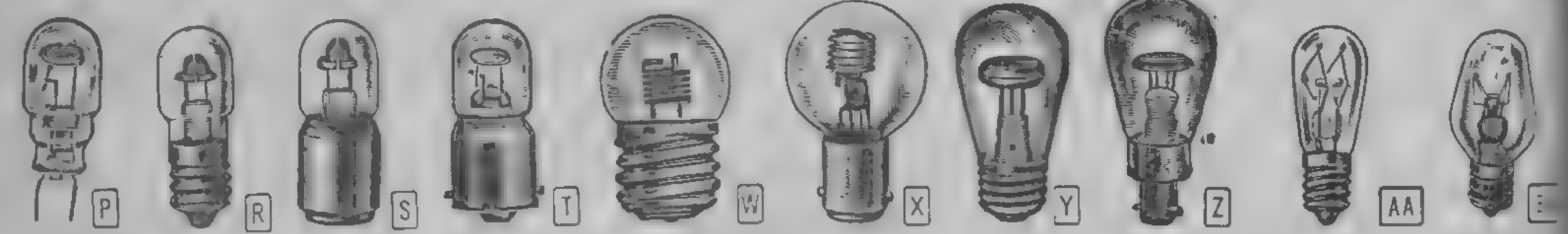
All controls are located on the front panel. One of the switch controls permits selecting manual "on" and "off" operation, or automatic turning on of the controlled device at a preselected time within a 12-hour period. Automatic operation can also be employed with a signal alarm sounding 10 minutes after "on cycle" begins. The other switch control permits selecting a definitely timed "on cycle" of up to one hour duration—can be used with radio as a "sleep switch."

Beautifully styled front panel has attractive gold finish. 3½" square; 1 13⁄16" deep. May be easily custom mounted. Has four mounting studs. Requires four 3⁄16" holes 3 3⁄16" apart. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs.
78 B 438. NET (Includes F.E.T.)......5.98

General Electric Lamps—Socket



Precision manufactured, top-quality lamps designed and built for top performance.



Abbreviations under **Base** mean: S. C., F.—single contact, flanged; S. C., Bay.—single contact, bayonet; D. C., Bay.—double contact, bayonet; Cand.—Candelabra. Under **Bulb Style**; G—globe; T—tubular; B—lemon shape; TL—Lens end, tubular (pre-focus type); FE—flat end; RP—reflector, pear shape; S—as in Fig. F. Types 1847, 1891 are for Ford and Chevrolet automobiles.

GENERAL-PURPOSE MINIATURE LAMPS

All miniature, except: *Midget flanged type; †pre-focused candelabra. Av. shpg. wt., 1 lamp, 2 oz; box of 10, 4 oz.

Stock No.	Mfr's Type	Fig	Volts	Amps	Base	Bulb Style	NET EACH 1-9	NET EACH 10-99	NET EACH 100-Up
52 E 344	PR-2	A	2.4	0.50	S.C., F.	B-3½	.20	.13	.12
52 E 345	PR 3	A	3.6	0.50	S.C., F.	B-3½	.20	.13	.12
52 E 337	PR-4	A	2.3	0.27	S.C., F.	B-3½	.20	.13	.12
52 E 338	PR-9	A	2.7	0.15	S.C., F.	B-3½	.25	.16	.15
52 E 387	PR-12	A	5 95	0.50	S.C., F.	B-3½	.20	.13	.12
52 E 981	12		6.3	0.15	Min. 2 pin	G-3½	.25	.16	.15
52 E 300	13	H	3.7	0.30	Screw	G 3½	.17	.11	.10
52 E 301	14	H	2.5	0.30	Screw	G 3½	.17	.11	.10
52 E 303	27	H	4.9	0.30	Screw	G-4½	.17	.11	.10
52 E 302	31	H	6.2	0.30	Screw	G-4½	.20	.13	.12
52 E 385	39	C	6.3	0.36	Bayonet	T-3¼	.30	.20	.183
52 E 305	40	B	6 8	0.15	Screw	T-3¼	.15	.10	.09
52 E 306	41	B	2.5	0.50	Screw	T-3¼	.15	.10	.09
52 E 307	42	B	3.2	0.35	Screw	T-3¼	.20	.13	.12
52 E 308	43	C	2.5	0.50	Bayonet	T-3¼	.15	.10	.09
52 E 309	44	C	6-8	0.25	Bayonet	T-3¼	.15	.10	.09
52 E 310	45	C	3.2	0.35	Bayonet	T-3¼			
52 E 311	46	B	6 8	0.25	Screw	T-3¼			
52 E 312	47	C	6-8	0.15	Bayonet	T-3¼			
52 E 313	48	B	2.0	0.06	Screw	T-3¼			
52 E 314	49	C	2.0	0.06	Bayonet	T-3¼	.15	.10	.09
52 E 315	50	H	6 8	1 c. p.	Screw	G-3½			
52 E 316	51	J	6 8	1 c. p.	Bayonet	G-3½			
52 E 369	53	J	14.4	0.12	Bayonet	G-3½			
52 E 320	55	J	6 8	2 c. p	Bayonet	G-4½			
52 E 660	57	J	12-16	2 c. p.	Bayonet	G-4½	.15	.10	.09
52 E 322	63	J	6-8	3 c. p.	S.C. Bay.	G 6	.20	.13	.12
52 E 061	67K	H	13.5	4 c. p.	Cand.	G-6	.30	.20	.18
52 E 321	81	J	6-8	6 c. p.	S.C. Bay.	G 6	.25	.16	.15
52 E 317	82	J	6-8	6 c. p.	D.C. Bay.	G-6	.25	.16	.15
52 E 325	112	D	1.2	0.22	Screw	TL-3	.17	.11	.10
52 E 327	136	H	1.3	0.60	Screw	G-4½	.17	.11	.10
52 E 330	222	D	2.2	0.25	Screw	TL-3			
52 E 331	223	..	2.2	0.25	Screw	FE-3¼			
52 E 333	224	E	2.15	0.22	Special	TL-2¾			
52 E 334	233	H	2.2	0.27	Screw	G-3½			
52 E 339	248	H	2.5	0.80	Screw	G-5½	.20	.13	.12
52 E 319	313	C	28	0.17	Bayonet	T-3¼	.35	.23	.21
52 E 323	327		28	0.04	S.C. Mid *	T-1¼	.90	.59	.55
52 E 377	328		6	0.20	S.C. Mid.*	T-1¼	.70	.46	.43
52 E 378	425	H	5	0 50	Screw	G-4½	.17	.11	.10
52 E 658	428	H	12.5	0.25	Screw	G-4½	.17	.11	.10
52 E 332	432	H	18.0	0.25	Screw	G-4½	.20	.13	.12
52 E 652	433	J	18	0.25	Bayonet	G-4½	.20	.13	.12
52 E 342	605	H	6.1	0.50	Screw	G-4½	.17	.11	.10
52 E 664	1129	F	6-8	21 c. p.	S.C. Bay.	S-8	.35	.23	.21
52 E 650	1133	G	6-8	32 c. p.	S.C. Bay.	RP-11	.40	.26	.24
52 E 651	1188	G	6-8	50-32c.p.	D.C. Bay.	RP-11	1.00	.66	.61
52 E 379	1323	..	6.2	4.30	S.C. Pref.†	RP-11	1.00	.66	.61
52 E 659	1446	H	12	0.20	Screw	G-3½	.20	.13	.12
52 E 341	1447	H	18.0	0.15	Screw	G-3½	.20	.13	.12
52 E 661	1449	H	14	0.20	Screw	G-3½	.15	.10	.09
52 E 662	1458	J	20	0.25	Bayonet	G-5	.20	.13	.12
52 E 653	1477	B	24	0.17	Screw	T-3	.40	.26	.24
52 E 654	1487	B	12-16	0.20	Screw	T-3¼	.20	.13	.12
52 E 655	1488	C	14	0.15	Bayonet	T-3¼	.20	.13	.12
52 E 340	1490	C	3.2	0.16	Bayonet	T-3¼	.17	.11	.10
52 E 656	1493	F	6.5	2.75	D.C. Bay.	S-8	1.05	.69	.64
52 E 399	1651	F	5	0.60	S.C. Bay.	S-8	.60	.39	.37
52 E 326	1768	B	6	0 20	Mid. Screw	T-1¼	.75	.49	.46
52 E 657	1815	C	12-16	0.20	Bayonet	T-3¼	.20	.13	.12
52 E 324	1820	C	28	0 10	Bayonet	T-3¼	.40	.26	.24
52 E 343	1829	C	28.0	0.07	Bayonet	T-3¼	.35	.23	.21
52 E 982	1847	C	6.3	0.15	Bayonet	T-3¼	.20	.13	.12
52 E 983	1891	C	12.0	0.24	Min. Bay.	T-3¼	.17	.11	.10

TUNGAR BULBS

Used in battery-chargers. *For movie projectors. 1¼ lbs.

No.	Type	Fig.	Amps	NET	No.	Type	Fig.	Amps	NET
9 E 900	12X825	..	2	4.41	9 E 904	189049	L	6	4.77
9 E 901	206501	K	2	4.41	9 E 905	*217283	L	15	9.19
9 E 906	20X672	..	5	5.52	9 E 907	16X897	..	2	12.13
9 E 903	189048	L	6	4.77	9 E 908	45X674	..	6	14.70

NEON GLOW LAMPS

For 105-600 v. operation except types marked ‡ which are for 210-60 §Indicates DC only. Sk. under **Base** stands for skirted. Screw types h series resistor in base—for 105-125 v. operation; others require exte resistor. AC starting voltage shown. DC starting voltage is 40% hig †High brightness types. Av. shpg. wt., 1 lamp, 3 oz.; box of 10, 5

Stock No.	Mfr's Type	Fig.	Watts	AC Volts	Bulb Style	Base	NET EAC 1-49
52 E 370	NE-2	M	1/25	65	T-2	Wire Term.	.10
52 E 396	†NE-2H	M	¼	. . .	T-2	Wire Term.	.12
52 E 374	NE-7	P	¼	55	T-4½	Wire Term.	.73
52 E 826	§NE-16	S	¼	§67	T-4½	D.C. Bay. Cand.	.63
52 E 827	NE-17	S	¼	55	T-4½	D.C. Bay. Cand.	.90
52 E 822	NE-21	T	¼	55	T-4½	S.C. Bay. Cand.	.95
52 E 801	NE-30	W	1	60	G-10	Edison	1.20
52 E 814	NE-32	X	1	60	G-10	D.C. Bay. Cand.	1.20
52 E 803	NE-34	Y	2	60	S-14	Edison	1.85
52 E 806	NE-40	Y	3	60	S-14	Edison	2.70
52 E 816	NE-42	Z	3	60	S-14	Sk. D.C. Bay. Cand.	2.65
52 E 807	NE-45	R	¼	65	T-4½	Cand. Screw	.85
52 E 812	NE-48	S	¼	65	T-4½	D.C. Bay. Cand.	.70
52 E 373	NE-51	N	1/25	65	T-3¼	S.C. Bay. Min.	.21
52 E 395	†NE-51H	N	¼		T-3¼	S.C. Bay. Min	.23
52 E 360	‡NE-56	W	1	60	G-10	Edison	1.25
52 E 361	NE-57	R	¼	55	T-4½	Cand. Screw	.99
52 E 362	‡NE-58	R	½	65	T-4½	Cand. Screw	.95
52 E 397	NE-77	M	¾	140	T-2	3-Wire Term.	.55
52 E 060	NE-96	M	¼	140	T-2	2-Wire Term.	.20

ARGON GLOW LAMPS

Pale blue-violet light—near-ultraviolet radiation. Clear glass. *Av 1000 hours; †av. life, 3000 hrs. Av. wt., 1 lamp, 3 oz.; box of 10, 5

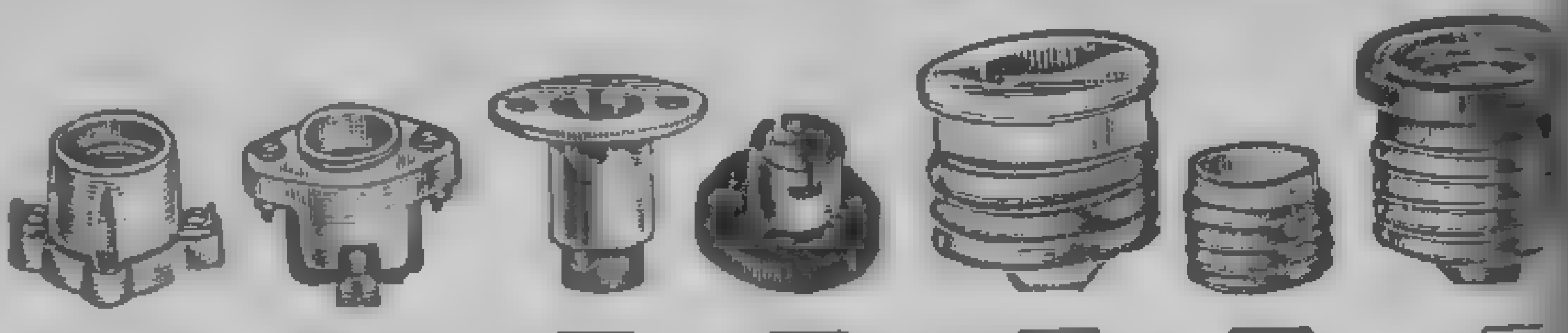
52 E 811	*AR-3	R	¼	80	T-4½	Cand. Screw	.85
52 E 810	†AR 1	Z	2	65	S 14	Edison	1.90

AC-DC LAMPS

Rated at 1500 hours, average use. Have clear glass envelopes exce white glass. Ideal for use behind small panel openings, as indicator la etc. All lamps are for 120 volts except * which is for 230 volts. ‡He tubular lamp—all others, G.E. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Watts	Base	1-49, EA.	50-Up,
52 E 349	6S6	AA	6	Cand. Screw	.22	.18
52 E 352	6S6DC	AA	6	D.C. Bay. Cand.	.30	.24
52 E 354	3S6	AA	3	Cand. Screw	.35	.29
52 E 353	*10S6	AA	10	Cand. Screw	.52	.44
52 E 355	7C7	BB	7	Cand. Screw	.20	.16
52 E 356	§ 7C7W	BB	7	Cand. Screw	.20	.16
52 E 351	10C7DC	BB	10	D.C. Bay. Cand.	.29	.23
52 E 350	‡	. . .	4	Cand. Screw	.39	.3

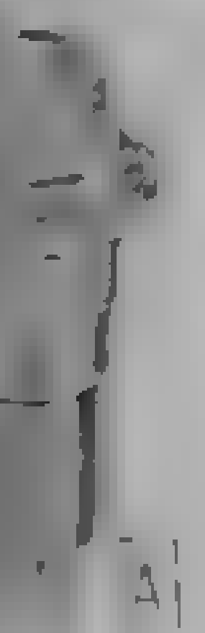
SOCKETS AND LAMP SOCKET REDUCERS FOR NEON, ARGON AND PILOT LAMPS

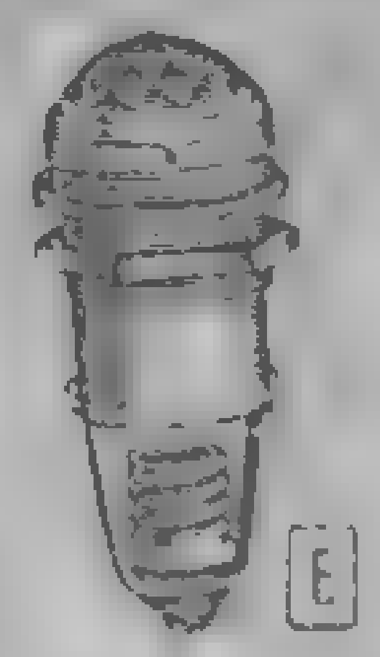


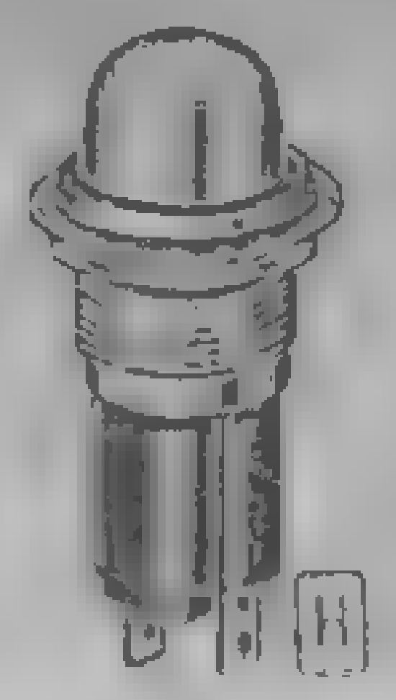
Reducer fits into socket to convert to most commonly used typ bulb bases. *Socket with hard rubber insert in metal shell. Av. wt. for sockets, 3 oz. Av. shpg. wt. of reducers, 2 oz.

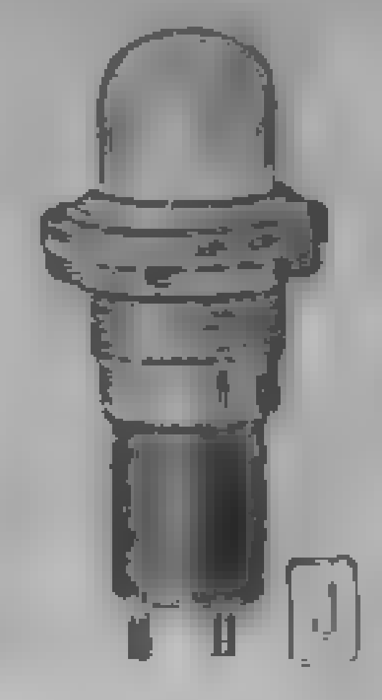
Stock No.	Fig.	Description	1-49, EA.	50-Up
52 E 850	CC	Edison socket	.13	.1
52 E 858	CC	Miniature screw socket	.15	.14
52 E 852	DD	Candelabra screw socket	.45	.4
52 E 855	CC	Candelabra screw socket	.15	.14
52 E 853	EE*	D.C. bay. candelabra socket	.29	.2
52 E 856	FF	D.C. bay. candelabra socket	.75	.6
52 E 857	FF	S.C. bay. candelabra socket	.59	.5
52 E 606	GG	Edison-to-Cand. reducer	.19	.1
52 E 639	HH	Candelabra-to-Min. reducer	.15	.14
52 E 634	HH	Intermediate-to-Cand. reducer	.07	.0
52 E 638	JJ	Edison-to-Inter. reducer	.15	.14

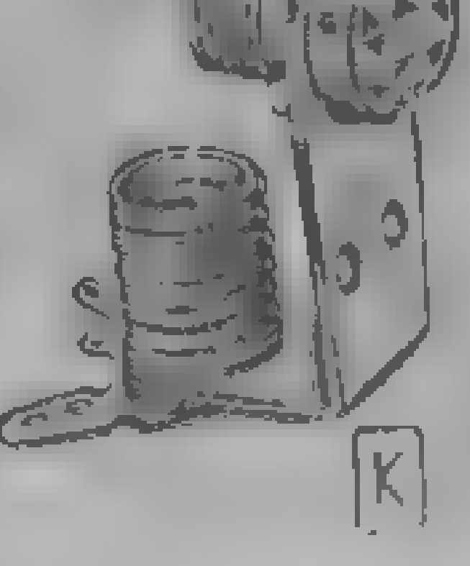
Dialco Indicator Lights

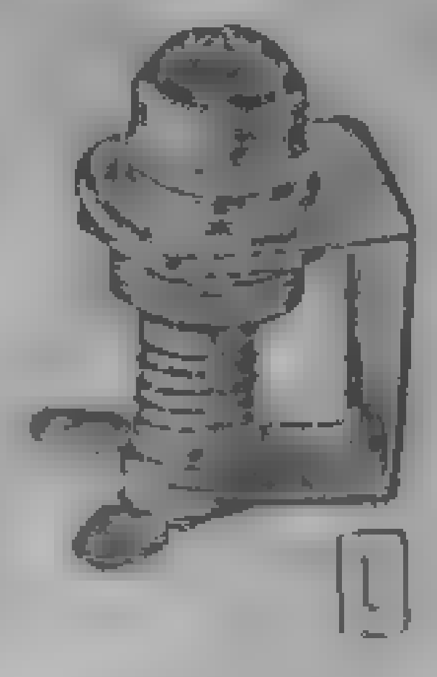


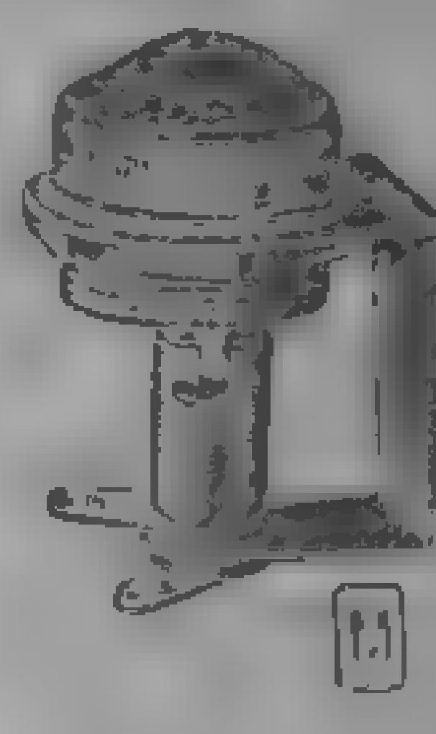












LF INCH ENCLOSED ASSEMBLIES

Series 81410X. Rugged, aviation-type ket shell with smooth jewel in ½" holder. T-3¼ miniature bayonet lamp. Size, ong; requires 11/16" mounting hole. Fits p to ⅜" thick. Black nickel finish. proved. Less T-3¼ miniature lamp; bulb listing. Av. shpg. wt., 3 oz.

k	Mfr's Type	Cap Color	1-9, EACH	10-Up, EACH
196	111	Red	1.19	1.07
197	112	Green		
198	135	White		
199	113	Amber		

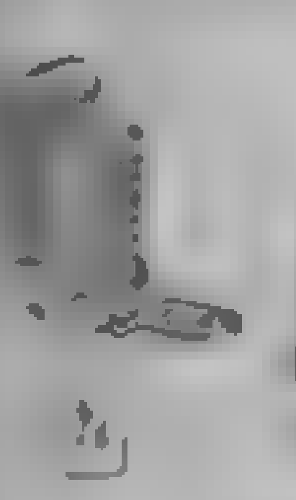
acement Jewel Caps for Above. Wt. 2 oz.

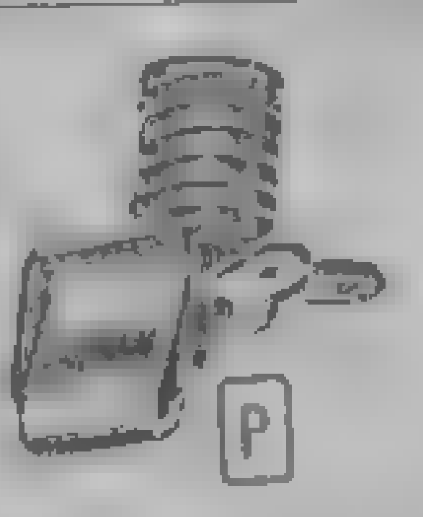
k	Mfr's Type	Jewel Color	1-9, EACH	10-Up, EACH
535	81-111	Red	16c	14c
536	81-112	Green		
37	81-135	White		
538	81-113	Amber		

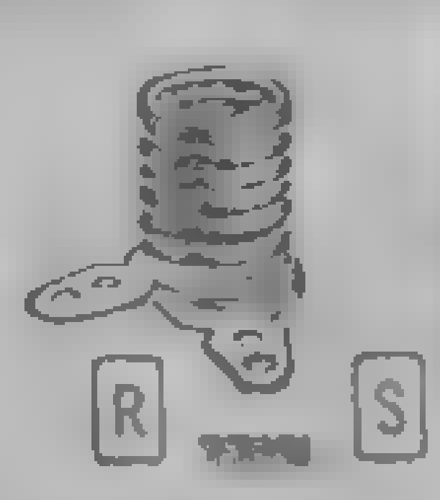
HALF-INCH OPEN ASSEMBLIES

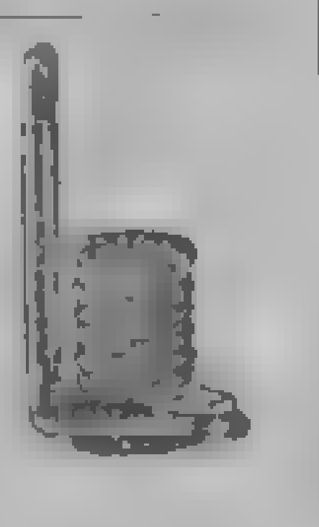
Series 857B. Requires an 11/16" mtg. hole. " lens. 2" long. Tinned solder terminals. For s up to ¼" thick. With mounting washer. lamp. Uses type 44, 47 or 51 bulbs; see bulb listings. Shpg. wt., 4 oz.

ck o.	Mfr's Type	Jewel Color	NET EACH	10 or More, EACH
E 545	431	Red	44c	40c
E 546	432	Green		
547	433	Amber		
548	434	Blue		









PILOT LIGHT SOCKETS

ular Dialco assemblies. Rust-resistant cad m plating on all brackets. Have terminal s of tinned brass to facilitate rapid solder- Coil spring construction on all bayonet ockets. Supplied complete with high- de insulating washers. See G.E. bulb listings complete selection of miniature screw lamps r Series 500), bayonet lamps (for series 700), d candelabra lamps (for Series 600). Av. wt. per pkg. of 5, 6 oz. **5 per package.**

MINIATURE SCREW

ock o.	Mfr's Type	Fig.	Per Pkg.	5 Pkgs. or More, Per Pkg.
E 400	501	N	35¢	31¢
E 401	507	P	32¢	29¢
E 402	504	R	35¢	31¢
E 410	505	S	35¢	31¢

CANDELABRA SCREW—115 VOLTS

tock No.	Mfr's Type	Fig.	Per Pkg.	5 Pkgs. or More, Per Pkg.
E 407	601	N	45c	41c
E 408	604	R		
E 409	605	S		

MINIATURE BAYONET

Stock No.	Mfr's Type	Fig.	Per Pkg.	5 Pkgs. or More, Per Pkg.
E 404	701	N	39¢	35¢
E 405	707	P	32¢	28¢
E 403	704	R	39¢	35¢
E 406	705	S	39¢	35¢

PILOT LIGHT LENS CAPS

An economical selection of all-purpose faceted-jewel pilot light lens caps. In three popular sizes—¾", ½" and 11/32" diameters; choice of red, green and amber. Attractively finished holders are polished nickel-plated brass. Mount n panels up to ⅜" thick. Require 11/16", 7/16" and " mounting holes, respectively. Av. shpg. wt., 2 oz.

Size	Stock No.			1-9, EA.	10-Up, EA.
	Red	Green	Amber		
¾"	52 E 444	52 E 445	52 E 446	24¢	22¢
½"	52 E 490	52 E 491	52 E 492	11¢	10¢
11/32"	52 E 447	52 E 448	52 E 449	13¢	12¢

ONE-INCH ENCLOSED ASSEMBLIES

C **Series 313101.** 115-volt, enclosed pilot lamp assembly. Black bakelite and brass. Has faceted jewel in chrome-plated holder. Candelabra screw socket. 1" mounting hole. *Not recommended for neon; all others for neon or incandescent. For type S6 bulbs. U.L. Approved. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Jewel Color	1-9, EACH	10-Up, EACH
52 E 460	431	Red	1.22	1.10
52 E 461	432	Green*		
52 E 462	433	Amber		
52 E 510	437	Clear		
52 E 511	434	Blue*		
52 E 512	435	White		

ASSEMBLIES WITH WIRE LEADS

D **Series 312901.** As above, except with 6" wire leads instead of solder lugs. Has friction-fit, chrome-plated cap. 1" mtg. hole. U.L. Approved. Less S6 candelabra lamp (see G.E. bulb listings). Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Jewel Color	1-9, EACH	10-Up, EACH
52 E 485	111	Red	1.52	1.37
52 E 486	112	Green		
52 E 487	113	Amber		
52 E 488	117	Clear		

ONE-INCH OPEN ASSEMBLIES

E **Series 75.** 115-volt open-type pilot lamp assembly with faceted jewel in chrome-plated brass holder. Candelabra screw socket. Solid brass construction. Friction-fit chrome-plated cap. 1" mounting hole. Less S6 lamp (see G.E. bulb listings). Shpg. wt., 5 oz.

Stock No.	Mfr's Type	Jewel Color	1-9, EACH	10-Up, EACH
52 E 500	C-431	Red	70c	63c
52 E 501	C-432	Green		
52 E 502	C-433	Amber		

REPLACEMENT JEWEL CAPS

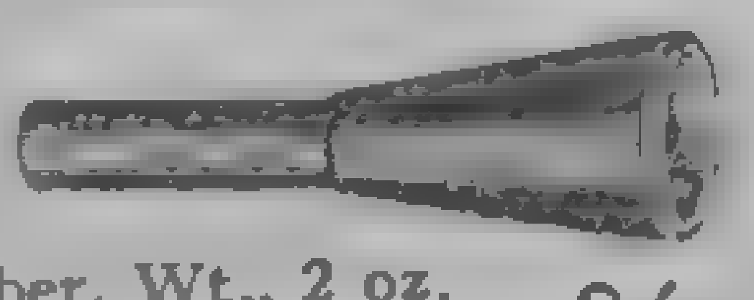
F **For Series 312901 Indicator Assemblies.** Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Cap Color	1-9, EACH	10-Up, EACH
52 E 575	31-111	Red	42c	38c
52 E 596	31-112	Green		
52 E 576	31-113	Amber		
52 E 578	31-117	Clear		

G **For Series 75, 910, and 313101**

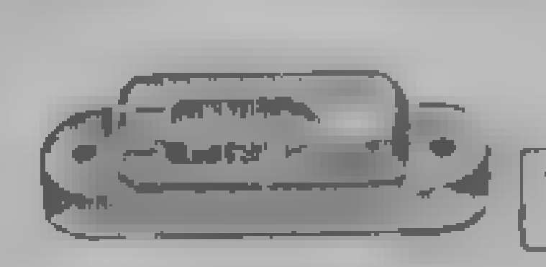
52 E 525	31-431	Red	42c	38c
52 E 526	31-432	Green		
52 E 527	31-433	Amber		
52 E 588	31-437	Clear		

PILOT BULB REMOVER



Designed to expedite installation or removal of miniature and candelabra lamps. High-grade rubber. Wt., 2 oz.
52 E 550. NET 26c

DRAKE NEON INDICATING LIGHTS



T **Type 110 "Flushlite."** Neon indicating light, enclosed in translucent plastic base. For operation from 110-125 v., AC or DC. Size, ½x1⅞x9/16". Has 1½" mounting centers. Shpg. wt., 2 oz.
78 E 061. 10-Up, EA...41¢ 1-9, EA..45c

W **Type 105 "Post-lite."** Panel light for operation from 65-130 v., AC, or 90-130 v., DC. Length overall, 2¼". Requires ½" mounting hole. Complete with mounting nut. Shpg. wt., 2 oz.
78 E 062. 10-Up, EA...58¢ 1-9, EA..65c

Type R115 "Taperlite." Neon lamps with resistor installed inside, for operation from 110-125 volts, AC or DC. Require ⅜" dia. mounting hole. Shpg. wt., 2 oz.
53 E 192. 10-Up, EA...71¢ 1-9, EA. 79c

NEON INDICATOR LIGHTS

H **Series 95408X and Series 95408XH.** Enclosed neon indicator lights. Series 95408X have built-in 56,000-ohm, ⅓ watt resistor for NE-51 neon lamps in 105-125 v. AC-DC circuits. Series 95408XH (*) have built-in resistor of 18,000 ohms for use with NE-51H "high brightness" neon glow lamp on 105-125 v. AC. 2 1/16" long, 11/16" hole. Black nickel finish. Meet MIL-L-3661, CSA and U.L. requirements. Less lamp (see G.E. bulb listings). With mounting nut. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Stock No.	Mfr's Type	Cap Color
52 E 504	931	53 E 142	931H*	Red
52 E 505	933	53 E 143	933H*	Amber
52 E 506	935	53 E 144	935H*	White
52 E 507	937	53 E 145	937H*	Clear

1-9, NET EACH 1.19
10-Up, EACH 1.07

NEON PANEL ASSEMBLIES

J **Series 952208.** Enclosed neon pilot light assemblies. Have built in 56,000 ohm resistor for NE-51 in 105-125 v. AC DC circuits; except * with 18,000 ohm resistor for NE-51H "high brightness" lamp for use with 105-125 v. AC. 2 1/16" long, 11/16" mtg. hole. Less lamp (see G.E. bulb listings). With mounting nut. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Stock No.	Mfr's Type	Cap Color
52 E 581	931	53 E 146	931H*	Red
52 E 582	933	53 E 147	933H*	Amber
52 E 583	935	53 E 148	935H*	White
52 E 584	937	53 E 149	937H*	Clear

10-Up, EA.....61¢ 1-9, NET EA.....68¢

Replacement Plastic Caps For Above. 2 oz.

Stock No.	Mfr's Type	Color	1 to 9, EACH	10-Up, EACH
52 E 565	95-931	Red	19c	17c
52 E 566	95-933	Amber		
52 E 567	95-935	White		
52 E 568	95-937	Clear		

MINIATURE AND CANDELABRA SCREW OPEN TYPE ASSEMBLIES

K **Series 510, 610 and 710.** Open-type visual indicator light assemblies, with faceted jewels. Require 7/16" mounting hole. With solder lug terminals. Series 510 uses T-3¼ miniature screw-base lamp; 610 takes G6 candelabra screw bulb; Series 710 uses T-3¼ miniature bayonet type. Less lamp. Av. shpg. wt., 2 oz.

Series No.	Stock No.			NET EACH
	Red	Green	Amber	
510	52 E 475	52 E 476	52 E 477	21c
610	52 E 540	52 E 541	52 E 542	
710	52 E 480	52 E 481	52 E 482	

L **Series 810. Screw and Bayonet Types.** With faceted jewel. Require 11/16" mounting hole. With solder lug terminals. Use miniature bulbs. 810M takes T-3¼ miniature bulb with screw base; 810B uses T-3¼ miniature bayonet-base bulb. Less lamp; see G.E. bulb listings. Av. shpg. wt., 2 oz.

Series No.	Stock No.			NET EACH
	Red	Green	Amber	
810M	52 E 450	52 E 451	52 E 452	32c
810B	52 E 453	52 E 454	52 E 455	

M **Series 910 Screw Types.** Open miniature and candelabra screw types. Chrome-plated brass jewel holders and faceted jewels. 1½" long; require 1" mounting hole. Miniature screw types take T-3¼ bulb. Candelabra screw types use S6 bulb. Less bulb. Shpg. wt., 3 oz.

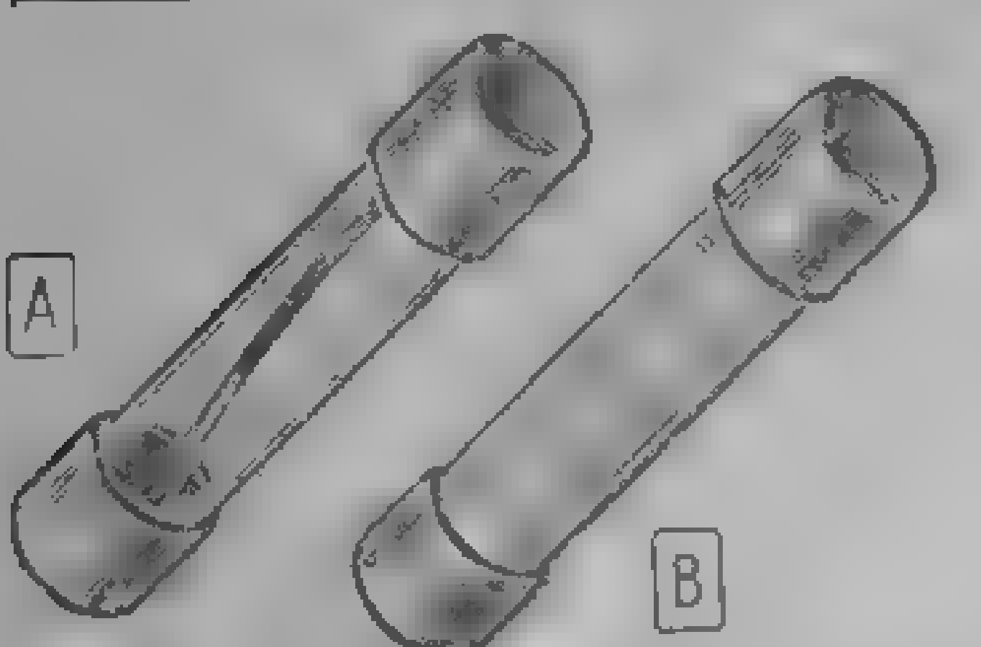
Color	Min. Screw	Cand. Screw	NET EACH	10-Up, EACH
Red	52 E 430	52 E 440	71c	64c
Green	52 E 431	52 E 441		
Amber	52 E 432	52 E 442		

M **Series 910 Miniature Bayonet Type.** Open assemblies with chrome-plated brass jewel holders and faceted jewels. 1½" long; require 1" mounting hole. Take T-3¼ bayonet-base bulb. Less bulb. Shpg. wt., 3 oz.

Stock No.	Color	NET EACH	10-Up, EACH
52 E 420	Red	71c	64c
52 E 421	Green		
52 E 422	Amber		

Littelfuse Fuses and Mountings

CARTRIDGE FUSES FOR RADIO, TV & INSTRUMENTS



TYPE 3AG STANDARD FUSES

A **Series 312000.** Quick to medium acting fuses for short time-lag uses. High operating temperatures do not affect fuse characteristics. 1¼x¼". Pkg. wt., 2 oz. **5 fuses per package.**

Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
1/16	250	52 B 242	62c	53c	3/4	250	52 B 233	41¢	35¢
1/8	250	52 B 230			1	250	52 B 234	25¢	21¢
15/100	250	52 B 671			1½	250	52 B 235	25¢	21¢
.175	250	52 B 672			2	250	52 B 236	25¢	21¢
3/16	250	52 B 161			3	250	52 B 237	22¢	19¢
1/4	250	52 B 231	41c	35c	4	250	52 B 238	31¢	26¢
3/10	250	52 B 673			5	250	52 B 239	31¢	26¢
3 8	250	52 B 243			6	250	52 B 240	31¢	26¢
1/2	250	52 B 232			8	125	52 B 248	44¢	38¢

TYPE 3AG SLO-BLO FUSES

Series 313000. Slo-Blo fuses with high time-lag to stand heavy surges. Designed for circuits having high inductive or capacitive surges. Also for circuits having heavy starting currents, such as motors and lamps. Units through 5 amps are U L. Approved. Size: 1¼" long and ¼" diameter. Shpg. wt., per pkg. 2 oz. **5 fuses per package.**

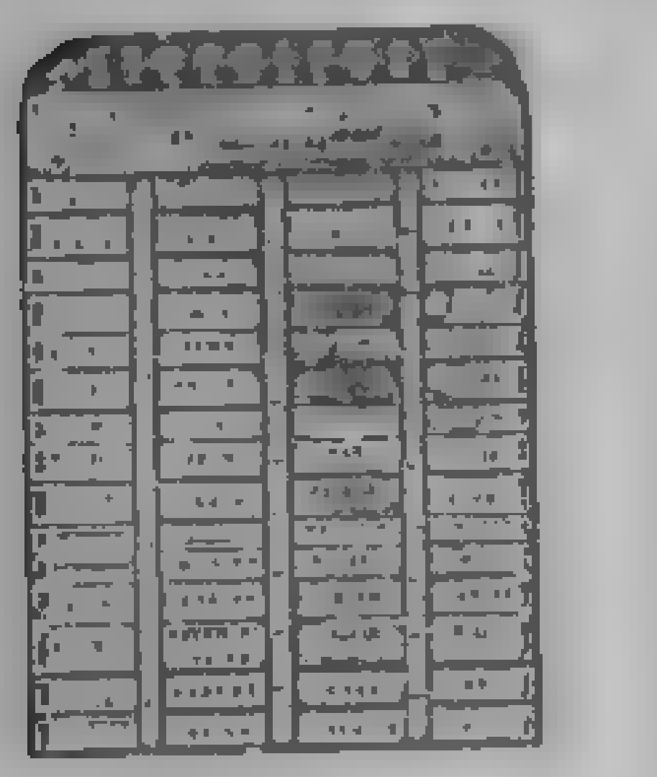
Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
1/100	125	52 B 185	1.15	.98	1	125	52 B 220	.82	.70
1/32	125	52 B 186	1.15	.98	1¼	125	52 B 253	.76	.65
1/16	125	52 B 187	.82	.70	1½	125	52 B 198	.76	.65
1/10	125	52 B 252	.82	.70	1.6	125	52 B 254	.76	.65
1/8	125	52 B 188	.82	.70	2	125	52 B 179	.76	.65
15/100	125	52 B 189	.82	.70	2½	125	52 B 257	.62	.53
.175	125	52 B 675			3	125	52 B 181		
3 16	125	52 B 190			3.2	125	52 B 182		
2/10	125	52 B 191			4	125	52 B 227		
1/4	125	52 B 921			5	125	52 B 223		
3 10	125	52 B 192	.82	.70	6¼	32	52 B 183	.62	.53
3/8	125	52 B 193			8	32	52 B 184		
1 /2	125	52 B 923			10	32	52 B 226		
6/10	125	52 B 195	.82	.70	15	32	52 B 224	.62	.53
3/4	125	52 B 196			20	32	52 B 225		
8/10	125	52 B 197			30	32	52 B 677		

LIMITED-CURRENT BAYONET FUSES

TV fuses for 346000 series bayonet lock fuse holders only Series 333000 are Slo-Blo; 332000 are regular. Shpg. wt., 2 oz. **5 fuses per pkg.**

333000 Series (Slo Blo N Type)					332000 Series (Regular C Type)				
Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
.25	125	52 B 167	87c	74c	.25	250	52 B 732	50c	43c
.3	125	52 B 053			.3	250	52 B 168		
.4	125	52 B 730			.375	250	52 B 733		
.5	125	52 B 162			.5	250	52 B 050		
.6	125	52 B 054	87c	74c	.75	250	52 B 169	50¢	43¢
.7	125	52 B 055			1.0	250	52 B 734	28¢	24¢
.75	125	52 B 731			1.5	250	52 B 736	28¢	24¢
1.0	125	52 B 164			2.0	250	52 B 051	28¢	24¢
1.25	125	52 B 166	79c	68c	2 5	250	52 B 163	28¢	24¢
1.6	125	52 B 056			7.0	125	52 B 052	37¢	31¢
2.0	125	52 B 057							

NEW FUSEMASTER RACK ASSORTMENT



- **Includes 20 Boxes—100 Most Popular Fuses**
- **Rack Holds Up to 60 Fuse Containers**
- **Gives Complete Fuse Inventory at a Glance**

Type 094047. 100 assorted fuses in a clear plastic rack Ideal for service shops; inventory control backboard permits taking fuse inventory at a glance Includes 3AG types: 10—¼ amp, 10—½-amp, 5—1 amp, 5 –2 amp, 5 -5-amp, 10 –¼ amp SB, 5—½-amp SB, 5—1-amp SB, 5—2-amp SB, 5 -3-amp SB, 10—5 amp SB; also "N" types, 5—3/10 amp, 5 –4 10-amp, 5—½-amp; and "C" type: 10—3 10-amp. 11x7¾x2". 2 lbs.

52 B 943. NET........................11.93

LITTELFUSE FUSE CADDIES

Type 094041. Designed to fit in tube caddy. Contains 15 boxes (5 fuses per box) of Types C and N limited-current fuses marked by * in table below Rated 250 v , except 7 amp, 125 v. Clear plastic case has 3 spare compartments Size, 1⅞x3x4¼". Shpg. wt., 2 lbs.

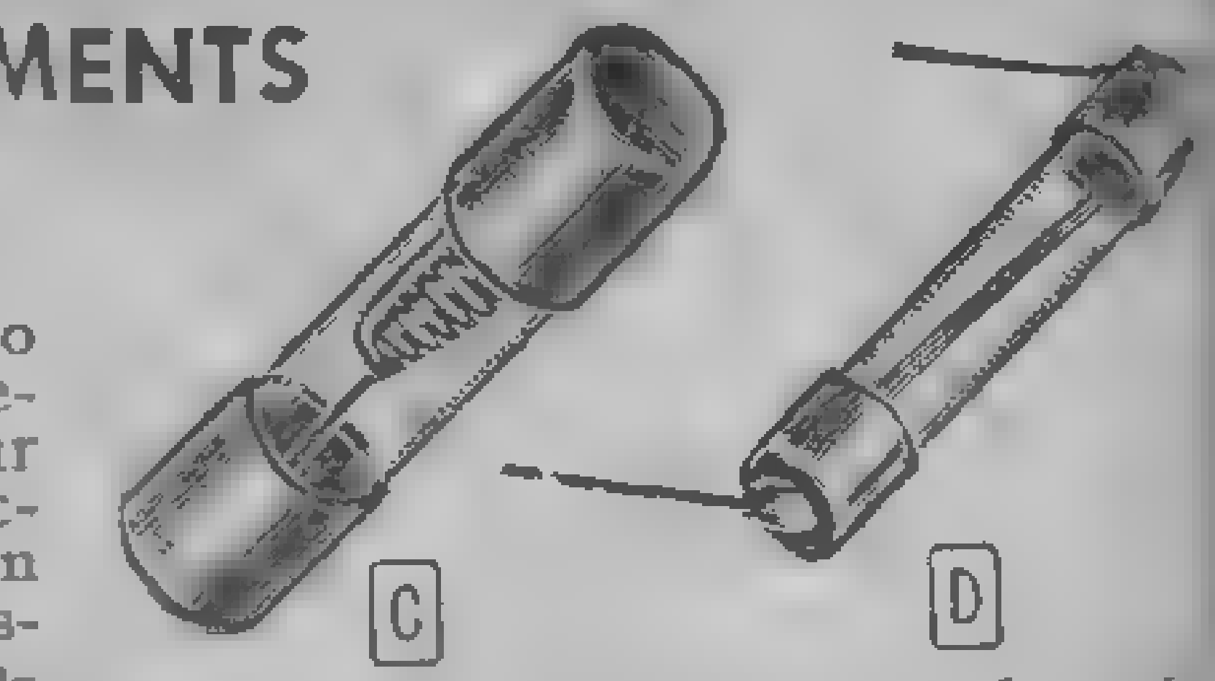
52 B 283. NET........................10.58

Type 094037. Fuse caddy as above but contains 14 boxes of fuses (types indicated by symbol†). Also includes emergency kit with various radio fuses in popular values. Shpg. wt., 2 lbs.

52 B 272. NET........................7.88

Type	Amps	Type	Amps	Type	Amps
C (Regular)	.3*	N (Slo-Blo)	.6*	3AG	.2†
C (Regular)	.5*	N (Slo-Blo)	.7*	3AG	.3†
C (Regular)	.75*	N (Slo-Blo)	1*†	3AG	.5†
C (Regular)	2*	N (Slo-Blo)	1.25*†	3AG (Slo-Blo)	.25†
C (Regular)	2.5*†	N (Slo-Blo)	1.6*	3AG (Slo-Blo)	.5†
C (Regular)	7*	N (Slo-Blo)	2*	8AG-U.L.	.25†
N (Slo-Blo)	.25*†	3AG	.25†	8AG-U.L.	.5†
N (Slo-Blo)	.3*	3AG	.5†		
N (Slo-Blo)	.5*	3AG	1†		

TYPE 4AG SLO-BLO FUSES



C **Series 413000.** Designed to meet aircraft vibration test requirements. Open within 1 hour on 135% overload; within 60 seconds on 200%; immediately on short circuit. Spring-and-link assembly takes up thermal expansion and contraction; eliminates cyclic fatigue, crystallization and resul- ing link fracture. Size, 1¼x9⁄32". Shpg. wt., 2 oz. **5 fuses per packag**

Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pk or mo Per P
2/10	250	52 B 994	1.09	.93	3	250	52 B 989	.82	.70
1/4	250	52 B 985			3²/10	250	52 B 947		
3/10	250	52 B 995			5	32	52 B 990		
1/2	250	52 B 986			6¼	32	52 B 949		
6/10	250	52 B 997	1.09	.93	8	32	52 B 960	.82	.70
3/4	250	52 B 683			10	32	52 B 991		
1	250	52 B 987			15	32	52 B 961		
1¼	250	52 B 999			20	32	52 B 962		
1-6/10	250	52 B 945	1.09	.93	25	32	52 B 963	.82	.70
2	250	52 B 988			30	32	52 B 964		

TYPE 3AB FUSES

B **Series 314000.** Steatite enclosed, arc-quenching, powder-filled fu- Shatter-proofed against quick shorts Medium time lag. Smallest proved fuses in ratings this high. For high current circuits when spac- limited. Size, 1¼x¼" Types through 15 amps, U.L. Approved. Sh- wt., per pkg., 2 oz. **5 fuses per package.**

Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 P or m Per
1	250	52 B 678	53¢	45¢	10	250	52 B 244	50¢	43
2	250	52 B 679	53¢	45¢	12	250	52 B 245	53¢	45
3	250	52 B 680	53¢	45¢	15	250	52 B 246	53¢	45
5	250	52 B 681	50¢	43¢	20	250	52 B 247	53¢	45
8	250	52 B 241	50¢	43¢	30	125	52 B 682	62¢	53

TYPE 8AG FUSES

Series 361000 Fast Action Instrument Fuse. For protection of me movements and delicate electronic equipment. All rated 250 max. vo except * which is 32. 1x¼". 2 oz. per pkg. **5 fuses per package.**

Amps	Blow Point, Ma	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Blow Point, Ma	Stock No.	Per Pkg.	20 P or m Per
1/500	3	52 B 199	4.09	3.48	1/2	520	52 B 208	.38	.33
1 200	8	52 B 200	1.71	1.45	3/4	800	52 B 209	.38	.33
1/100	16	52 B 201	1.53	1.30	1	1300	52 B 210	.29	.25
1 32	40	52 B 202	1.32	1.13	1½	1950	52 B 212	.29	.25
1/16	85	52 B 203	.82	.70	2	2600	52 B 211	.29	.2
1/8	155	52 B 205	.62	.53	3	3600	52 B 213		
1/4	270	52 B 206	.38	.33	5*	6000	52 B 214		
3 8	380	52 B 207	.38	.33					

Series 362000 Medium-Lag Fuse. Same characteristics as stan- 3AG type, but smaller Size, 1x¼". 2 oz. per pkg. **5 fuses per packa**

52 B 058. Type 8AG-UL ¼-Amp. NET PER PKG.............4

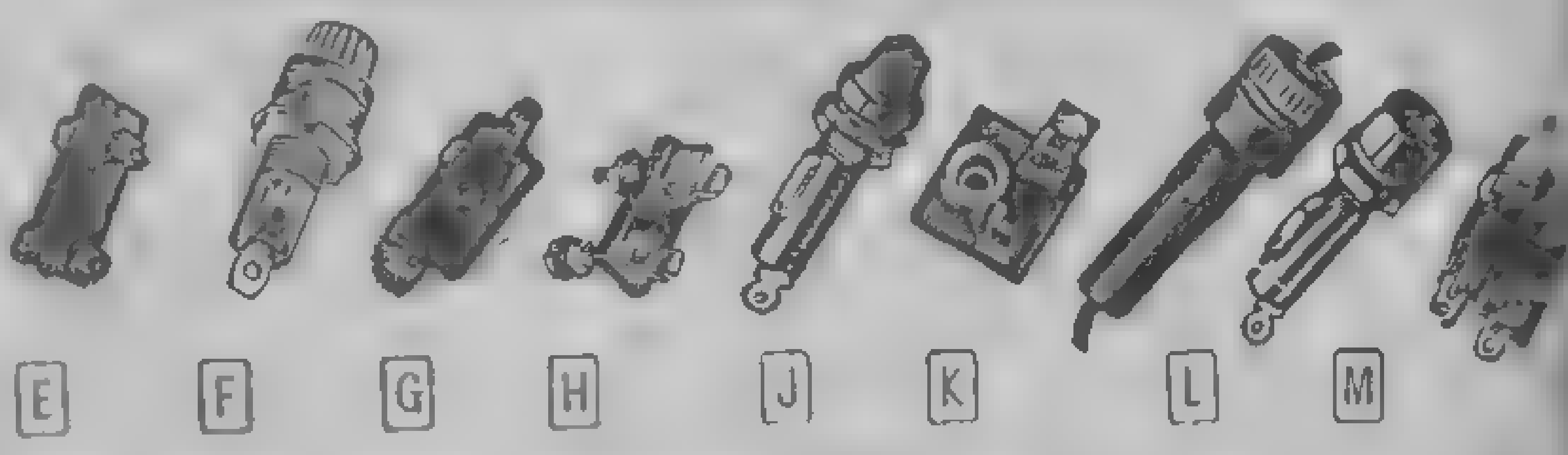
52 B 059. Type 8AG-UL ½-Amp. NET PER PKG...........4

TYPE 3AG PIGTAIL FUSES

D ***Series 315000. †Series 318000.** Series 315000 are Slo-Blo t- series 318000 are fast-acting type. All have 1½" tinned copper le- Size, 1¼x¼". Shpg wt. per pkg., 2 oz. **5 fuses per package.**

Amps	Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Volts	Stock No.	Per Pkg.	20 or Per
¼*	125	52 B 216	1.03	.88	¼†	250	52 B 215	.62	.5
½*	125	52 B 282	1.03	.88	½†	250	52 B 279	.62	.5
2*	125	52 B 217	.97	.83	1†	250	52 B 928	.47	.4
4*	125	52 B 219	.82	.70					

LITTELFUSE MOUNTINGS—EXTRACTOR POSTS

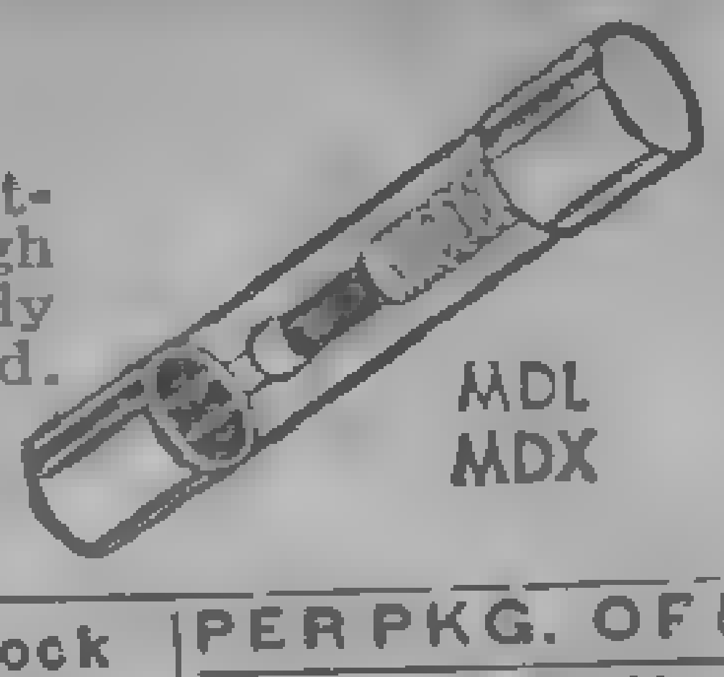


Fuse holders for every application *With fuse. Av. shpg. wt., 3 oz

Stock No.	Type	Fig.	For Fuses:	Description	EA
41 B 720	341001	M	3AG, 3AB	Panel mount, screw slot	4
41 B 721	371001	M	8AG	Panel mount, screw slot	4
41 B 729	442001	J	4AG	Panel mount, thumb knob	8
41 B 727	342001	J	3AG, 3AB	Panel mount, thumb knob	4
41 B 728	372001	J	8AG	Panel mount, thumb knob	4
52 B 292	357001	G	3AG, 3AB	Single fuse, lug term.	1
52 B 285	387001	G	8AG	Single fuse, lug term.	1
52 B 294	356001	G	3AG, 3AB	Single fuse, screw term.	2
40 B 450	351011	E	3AG, 3AB	Single fuse mounting	1
52 B 296	387002	N	2-8AG	Double fuse mounting	2
52 B 297	357002	N	2-3AG or 3AB	Double fuse mounting	2
52 B 295	383002	K	8AG	"Meter-back" mounting	2
52 B 291	353001	H	3AG, 3AB	Panel type mounting	3
41 B 788	155009	L	*SFE, (9 a.)	Inline fuse retainer for autos	3
41 B 798	155014	L	*SFE, (14 a.)	Inline fuse retainer for autos	3
41 B 789	155020	L	*SFE, (20 a.)	Inline fuse retainer for autos	3
41 B 795	342012	F	3AG	Miniature fuse extractor post	3

Buss Fuses and Accessories

TYPE MDL FUSETRON FUSES



time-lag prevents needless blows from start-
rents or surges. Operates instantly on high
ads or shorts. Thermal cutout operates slowly
overloads. Size, 1¼x¼". U.L. Approved.
t., per pkg., 2 oz. **5 fuses per package.**

250 VOLTS MAX

Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up	Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up
53 B 441	1.13	1.00	3/10	53 B 452	82c	70c
53 B 442	1.13	1.00	4/10	53 B 453		
53 B 443	.82	.70	1/2	53 B 454		
53 B 444	.82	.70	6/10	53 B 455		
53 B 450	.82	.70	8/10	53 B 456		
53 B 451	.82	.70	1	53 B 461		
53 B 407	.82	.70				

125 VOLTS MAX

53 B 462	76c	65c	2-1/2	53 B 465	62c	55c
53 B 463			2-8/10	53 B 466		
53 B 464						

32 VOLTS MAX

53 B 468	62c	55c	8	53 B 471	62c	55c
53 B 469			10	53 B 472		
53 B 470			15	53 B 473		

TYPE MDX 125-VOLT FUSETRON FUSES

same thermal delay action as Type MDL above, but open in
mately half the time. ½ second. 1¼x¼". U.L. Approved.
t per pkg., 2 oz.; per 100, 15 oz. **5 fuses per package.**

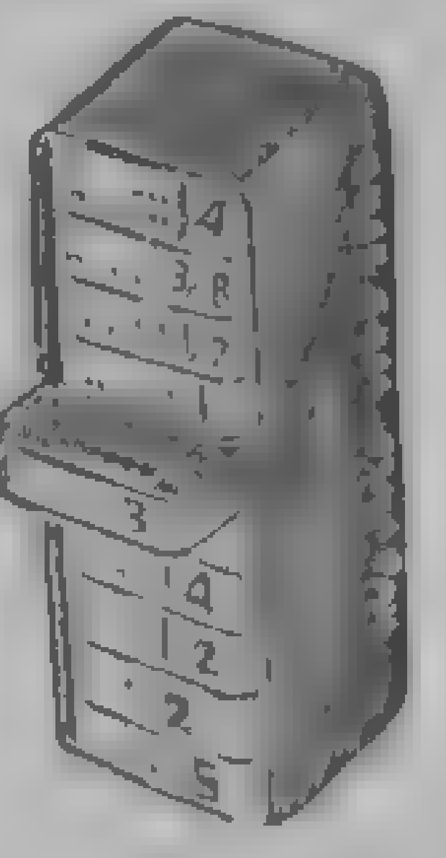
Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up	Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up
10 53 B 408	62c	55c	6¼	53 B 505	69c	60c
53 B 503			7	53 B 506		
53 B 504						

TYPE N TIME-DELAY FUSETRON FUSES

-blowing glass tube fuses. Time-delay
on; unaffected by harmless surges
h might blow ordinary fuses. ¼ and ½
fuses, ¼x1¼"; others, ¼x1⁷⁄₁₆". 250
max., except †125 volts. Av. shpg. wt. per pkg., 2 oz. **5 fuses per pkg.**

Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up	Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up
53 B 535	88¢	75¢	2†	53 B 538	78¢	70¢
53 B 536	88¢	75¢	3-2/10†	53 B 539	73¢	65¢
53 B 416	88¢	75¢	4†	53 B 540	73¢	65¢
53 B 537	78¢	70¢	5†	53 B 417	73¢	65¢

NEW SP-1 STAK-PAK



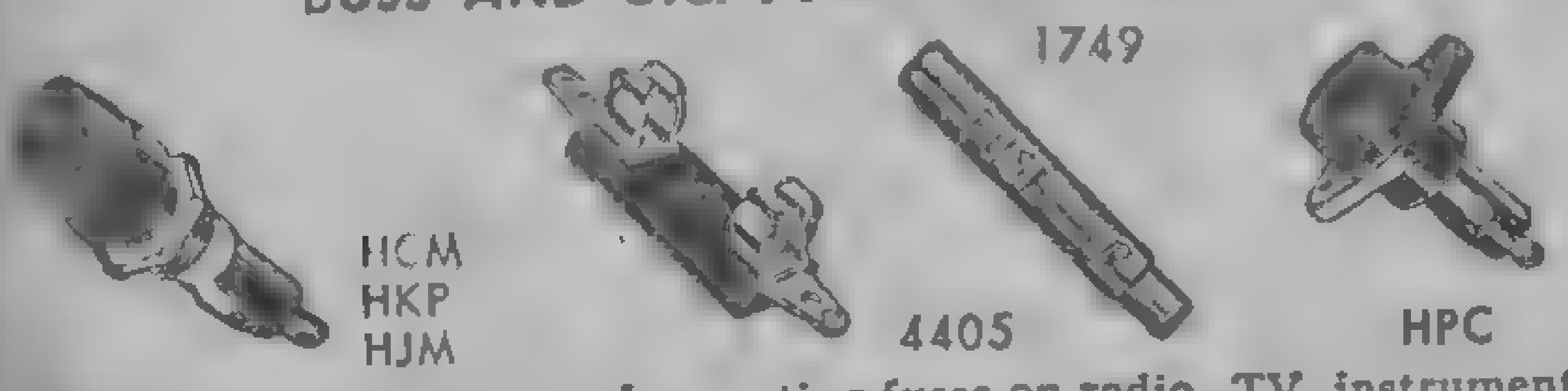
eat, Convenient Way to Carry Fuses

ompact Design; Sturdy Metal Construction

ortment of 50 fuses in a compact, unbreakable
al case. Ideal for the serviceman's tool box—no
e loose fuses scattered about. Consists of rack and
boxes (5 fuses per box) of the most-needed types.
ludes 1 box each: AGC ¼-amp; AGC ⅜-amp; AGC
amp; AGC 1-amp; AGC 3-amp; AGX ¼-amp; MDL
amp; MDL ½-amp; MDL 2-amp; MTH 5-amp.
1⅜x1⅝". Shpg. wt., 1 lb.

B 418. NET 4.83

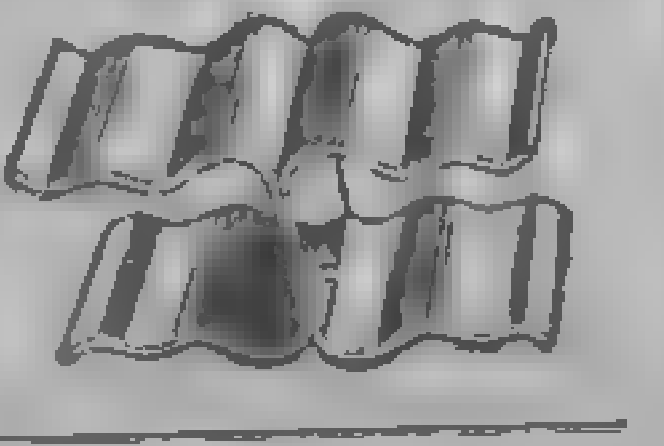
BUSS AND G.C. FUSE MOUNTINGS



Provide a convenient way of mounting fuses on radio, TV, instrument, automobiles, etc. All are Buss, except *G-C. Fuse always easy to remove as it projects beyond holder body. †Screw terminals. Av. shpg. wt., 1 oz.

No.	Type	For Fuses	NET	Stock No.	Type	For Fuses	NET
B 500	HPC	¹³⁄₃₂x1½"	44¢	53 B 480	4405	1¼x¼"	13¢
B 477	HCM	⁹⁄₃₂x1¼"	43¢	53 B 481	4408	Double 4405	26¢
B 475	HKP	¼x1¼"	30¢	41 B 735	1749*	2½x¾"	14¢
B 478	HJM	1x¼"	30¢	41 B 737	4513†	1⁷⁄₁₆x¼"	34¢

USS 4121 TWIN CLIPS FOR ¼" FUSES



replacement of pigtail TV fuses with standard
ap-on type. No cutting or soldering. Less fuse.
pg. wt. per box, 10 oz. **10 per package.**

53 B 476. NET PER PKG. 60c

LITTELFUSE FUSE MOUNTINGS

Phosphor Bronze Clips. For use with SFE, 3AG, 8AG, 3AB fuse types. Shpg. wt. pkg., 5 oz. **10 clips per package.**

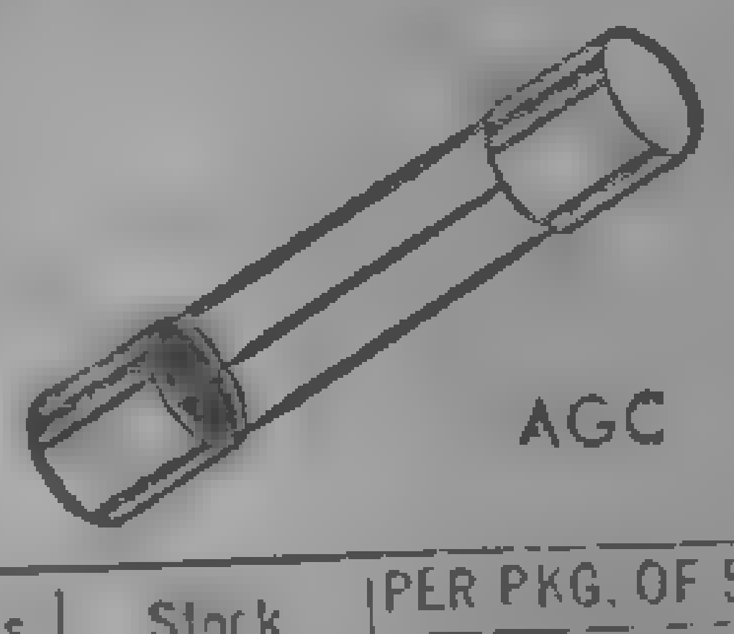
B 685. NET PER PKG. 17c

Pkgs. and Up, PER PKG. .... 14¢

350130 **Snap-On Holder.** For fast replacement of "pigtail" fuses. One side clips onto blown fuse, new fuse fits into other side. 2 oz.

B 733. 10 or More. EACH 15¢ 1-9, NET EACH .... 18¢

AGC, MTH AND ABC FUSES



Low-resistance fuses providing high-speed action necessary to protect delicate instruments. Carry 110% of rated current; open in one hour at 135%. 250 volts max. U.L. Approved. 1¼x ¼". Wt., 100, 15 oz. **5 fuses per package.**

250 VOLTS MAX

Amps	Mfr's Type	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up	Amps	Mfr's Type	Stock No	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up
1/16	AGC	53 B 420	62¢	55¢	3	AGC	53 B 429	22¢	18¢
⅛	AGC	53 B 421	62¢	55¢	4	MTH	53 B 430	31¢	27¢
¼	AGC	53 B 422	41¢	35¢	5	MTH	53 B 431	31¢	27¢
⅜	AGC	53 B 423	41¢	35¢	6	MTH	53 B 432	31¢	27¢
½	AGC	53 B 424	41¢	35¢	8	ABC	53 B 433	49¢	43¢
¾	AGC	53 B 425	41¢	35¢	10	ABC	53 B 569	49¢	43¢
1	AGC	53 B 426	24¢	21¢	12	ABC	53 B 570	53¢	45¢
1½	AGC	53 B 427	24¢	21¢	15	ABC	53 B 571	53¢	45¢
2	AGC	53 B 428	24¢	21¢	20	ABC	53 B 572	53¢	45¢

32-VOLT FUSES

For circuits operating at 32 volts or less. 1¼x¼". U.L. Approved. Shpg. wt., 1 oz. per pkg. **5 fuses per package.**

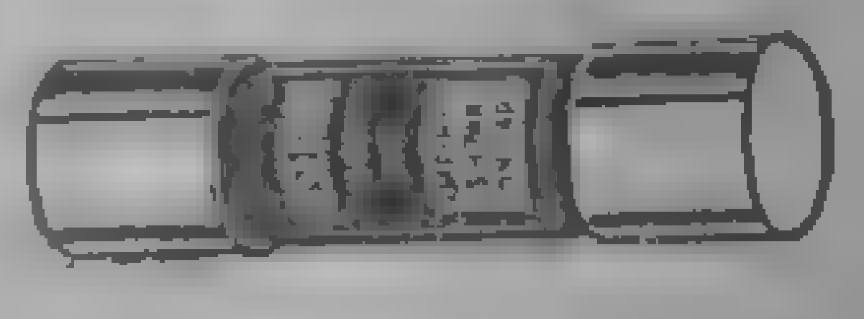
5	AGC	53 B 434	16c	14c	15	AGC	53 B 438	16¢	14¢
6	AGC	53 B 435			25	AGC	53 B 439	19¢	16¢
7½	AGC	53 B 436			30	AGC	53 B 440	19¢	16¢
[illegible]	AGC	53 B 437							

NEW TYPE SFE 32 VOLT AUTO FUSES

For 32 volts or less. Have different lengths to prevent using wrong rating. All are ¼" diameter. Av. shpg. wt., 100, 1½ lbs. **5 fuses per package.**

Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up	Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up
4	53 B 409	18¢	15¢	14	53 B 413	14¢	12¢
6	53 B 410	18¢	15¢	20	53 B 414	14¢	12¢
7½	53 B 411	16¢	14¢	30	53 B 415	19¢	16¢
9	53 B 412	16¢	14¢				

FUSETRON TYPE FNM LONG TIME LAG FUSES



Dual-element type. Fuse link operates only on high overloads or short-circuits; thermal cutout functions on low overloads. Thermal cutout cannot operate quickly on any load—provides long time lag. Fiber tube. U.L. Approved. 1³⁄₃₂x1½". 250 volt maximum, except *125 volts; †32 volts. 5 oz. **10 fuses per pkg.**

Amps	Stock No.	PER PKG. OF 10 1-9	PER PKG. OF 10 10-Up	Amps	Stock No.	PER PKG. OF 10 1-9	PER PKG. OF 10 10-Up
1	53 B 485	2.44	2.07	6¼	53 B 493	2.44	2.07
2	53 B 488			8	53 B 494		
2½	53 B 489			10	53 B 495		
3-2/10	53 B 490			15*	53 B 496		
4	53 B 491			20†	53 B 497		
5	53 B 492			30†	53 B 498		

TYPE HKL AND HKR INDICATOR FUSEHOLDERS

For 1¼x¼" fuses. HKL has neon indicator which lights when fuse is blown. HKL for use in 100 to 250-volt circuits. HKR is for 32-volt circuits; has incandescent indicator. U.L. Approved. 1 oz.

53 B 501. Type HKL. 10-Up, EACH 1.08 **1-9, EACH** .. 1.26

53 B 502. Type HKR. 10-Up, EACH 1.75 **1-9, EACH** 2.06

HOUSEHOLD PLUG FUSES

FUSETRON TYPE T DUAL-ELEMENT FUSES

Dual-element plug-type fuses. Provide an additional measure of protection against "blowing" during motor starting cycle. 20, 25 and 30-ampere types are for use on appliance circuits or mains; 15-ampere fuse for smaller appliances. For up to 125 volts, AC or DC. U.L. Approved. Shpg. wt. per pkg., 5 oz. **4 fuses per package.**

Amps	Stock No.	PER PKG. OF 4 1-19	PER PKG. OF 4 20-Up	Amps	Stock No.	PER PKG. OF 4 1-19	PER PKG. OF 4 20-Up
15	53 B 521	30c	28c	25	53 B 523	30c	28c
20	53 B 522			30	53 B 524		

TYPE W PLUG FUSES

Finest quality plug-type house fuses. Condition of fuse is visible at a glance—extremely large window area with white background behind fuse element shows when fuse is blown. Fine quality porcelain and first-cut mica used in construction. 125 volts max. Edison base. U.L. Approved. Shpg. wt., per pkg., 6 oz. **5 fuses per package.**

Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up	Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up
3	53 B 560	30c	28c	15	53 B 565	26c	24c
8	53 B 563			20	53 B 566		
10	53 B 564			30	53 B 568		

TYPE S FUSTATS

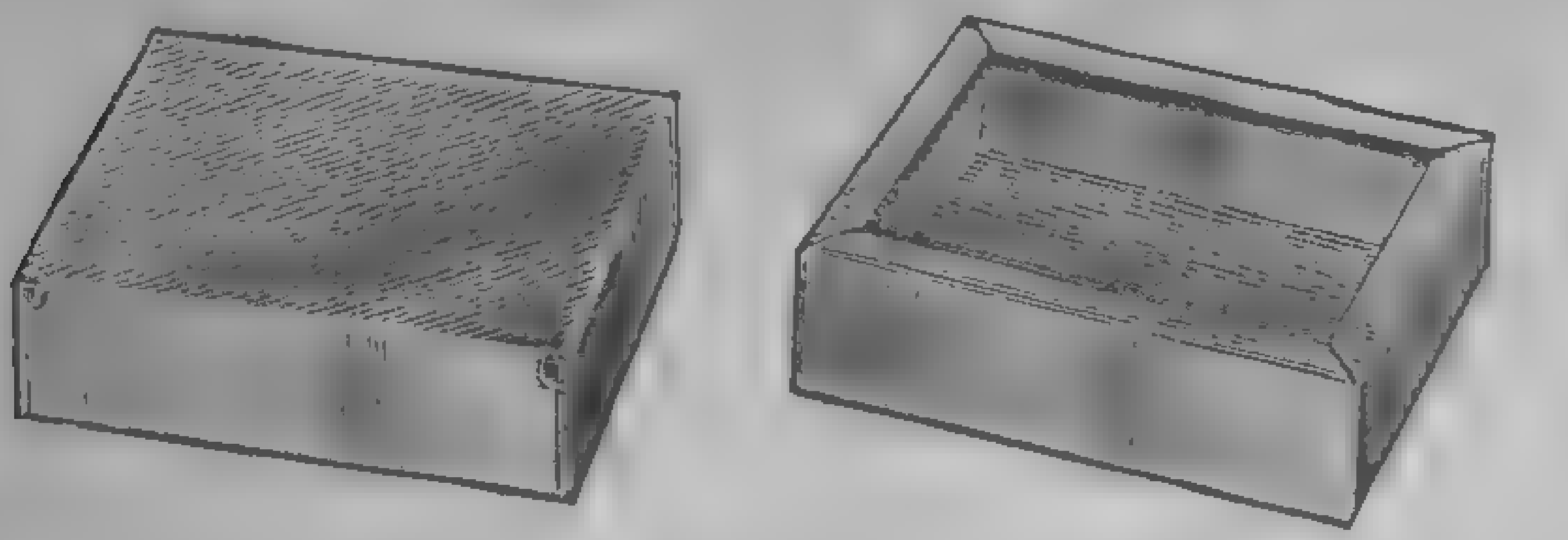
Reliable time-delay plug fuses for circuits equipped with Fustat adapters. Physically designed to prevent overfusing; units cannot be replaced with fuses of higher value without changing adapter. Do not blow on motor starting. Allow circuit loading to capacity. Color-coded. Body is porcelain. 125 v. max. Wt. per pkg., 2 oz. **4 fuses per package.**

Amps	Stock No.	Body Color	Amps	Stock No.	Body Color
15	42 B 900	Blue	25	42 B 902	Green
20	42 B 901	Orange	30	42 B 903	Green

NET PER PKG. .... 43¢

20 or More Pkgs., PER PKG. .... 40¢

Bud Metal Products



STANDARD CHASSIS BASES

Have one-piece construction; corners are reinforced and spot-welded. The four sides are folded at the bottom for additional strength; bottom fold also permits easy addition of bottom plate. Aluminum types are spot-welded. Steel chassis gauges: *No. 22; †No. 20; §No. 18. Aluminum chassis gauges (aluminum gauge): ‡No. 18; **No. 16; ††No. 14. Less bottom plates. AC-403: 2x9½x5".

Allied stocks the c plete Bud line of me goods. Even if the B equipment you requ is not listed in this ca log. Allied can fill y order quickly.

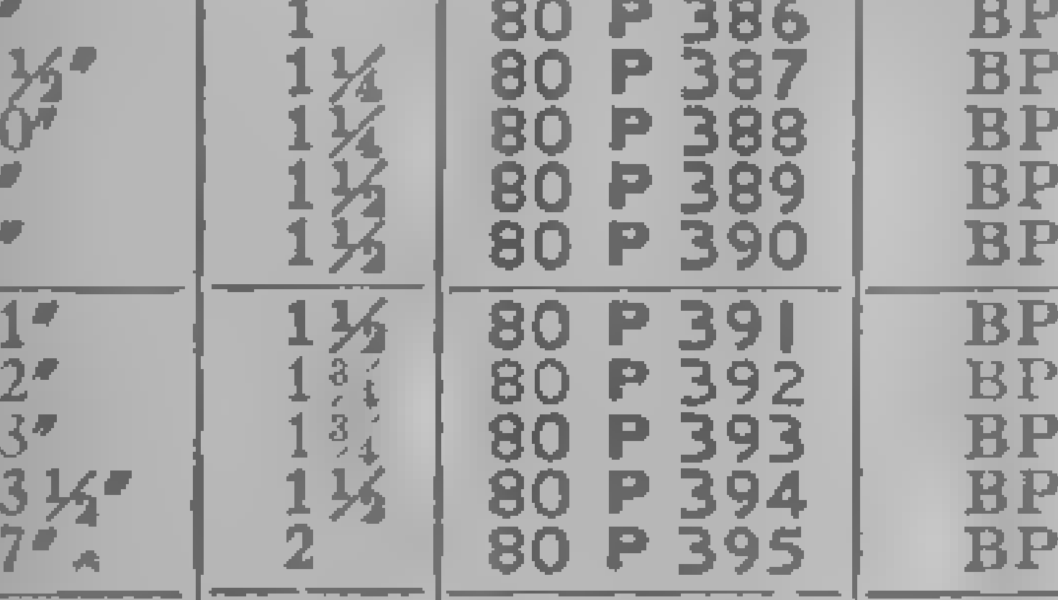
H.W.D. Inches	Black-Wrinkle Steel				Zinc-Plated Steel				Aluminum			
	Stock No.	Type	Lbs.	NET	Stock No.	Type	Lbs.	NET	Stock No.	Type	Lbs.	NE
2x6x4	......	......	......	......	......	......	......	......	86 P 930	AC-431‡	¾	1.0
2x7x5	80 P 456	CB-628*	1	1.05	86 P 277	CB-629*	1¼	1.27	86 P 112	AC-402‡	¾	1.1
2½x9½x5	80 P 457	CB-644*	1¾	1.34	86 P 905	CB-645*	1½	1.64	86 P 113	AC-403‡	¾	1.2
1½x9½x5	80 P 458	CB-788*	1	1.18	86 P 906	CB-776*	1¼	1.66	......	......	......	......
3x6x4	......	......	......	......	......	......	......	......	86 P 932	AC-430‡	¾	1.3
3x7x5	......	......	......	......	......	......	......	......	86 P 933	AC-429**	1	1.3
3x9½x5	......	......	......	......	......	......	......	......	86 P 114	AC-421‡	1	1.5
3x10x5	80 P 459	CB-604*	1¼	1.24	86 P 271	CB-605*	1½	1.80	86 P 127	AC-404‡	1	1.6
3x13x5	......	......	......	......	......	......	......	......	86 P 934	AC-422‡	1	1.
3x14x6	80 P 460	CB-755†	1¾	1.71	86 P 907	CB-756†	2	2.01	......	......	......	......
3x17x6	......	......	......	......	......	......	......	......	86 PX 935	AC-433**	1½	2.
2x7x7	80 P 461	CB-789†	1½	1.18	86 P 272	CB-1191†	1¾	1.47	86 P 115	AC-405‡	¾	1.
2x9x7	80 P 462	CB-790†	1½	1.37	86 P 273	CB-1192†	1¾	1.56	86 P 116	AC-406‡	¾	1.
2x11x7	80 P 463	CB-791†	1½	1.42	86 P 274	CB-1193†	1¾	1.64	86 P 117	AC-407‡	1	1.5
3x12x7	80 P 464	CB-792†	1¾	1.54	86 P 275	CB-793†	2	2.01	86 P 118	AC-408‡	1¼	1.
2x13x7	80 P 465	CB-646†	2	1.51	86 P 276	CB-1194†	2¼	1.88	86 P 119	AC-409‡	1	1.
2½x13½x5	80 P 466	CB-647†	1¾	1.73	86 P 908	CB-1198†	2	2.13	......	......	......	......
3x15x7	80 PX 467	CB-649†	2	1.96	86 PX 909	CB-1189†	2¼	2.35	86 PX 936	AC-411**	1¾	2.
3x15x8½	80 PX 468	CB-665†	2½	2.20	86 PX 910	CB 666†	2¾	2.66	......	......	......	......
3x17x4	80 PX 469	CB-1068†	2¼	1.76	86 PX 911	CB-1066†	2½	2.10	86 PX 937	AC-432**	1½	2.
2½x17x7	80 PX 470	CB-648†	2½	1.95	86 PX 912	CB-1199†	2¼	2.32	......	......	......	......
3x17x7	80 PX 471	CB-757†	1¾	2.11	86 PX 913	CB-758†	2	2.54	86 PX 938	AC-423**	1¼	2.
2½x10x8	80 P 472	CB-701†	2	1.69	86 P 914	CB-702†	2¼	1.98	......	......	......	......
2½x12x8	80 PX 473	CB-703†	2½	1.71	86 PX 915	CB-704†	2¾	2.20	......	......	......	......
3x12x8	80 P 474	CB-759†	1¾	1.81	86 P 916	CB-760†	2	2.29	86 P 939	AC-424**	1¾	2.
2x17x8	80 PX 475	CB-650†	2½	1.67	86 PX 917	CB-774†	2¾	2.29	86 PX 940	AC-425**	1¾	2.
3x17x8	80 PX 476	CB-651†	3¼	2.01	86 PX 918	CB-775†	3½	2.57	86 PX 120	AC-412**	2	2.
3x12x10	80 P 477	CB-652†	3	1.85	86 P 919	CB-1195†	3¼	2.20	86 P 121	AC-413**	1¾	2.
3x14x10	80 P 478	CB-653†	4	2.00	86 P 920	CB-779†	4¼	2.39	86 P 941	AC-414**	2	2.
2x17x10	80 PX 479	CB-654†	3¼	1.96	86 PX 278	CB-769†	3½	2.34	86 PX 942	AC-415**	1½	2.
3x17x10	80 PX 480	CB-636†	4	1.96	86 PX 921	CB-1196§	5½	2.99	86 PX 943	AC-416**	2¼	3.
3x17x10	80 PX 481	CB-655§	5	2.49	80 PX 385	CB-637†	4	2.78	......	......	......	......
3x23x10	80 PX 482	CB-656§	5½	2.80	86 PX 922	CB-1197§	6	3.35	......	......	......	......
2x17x11	80 PX 483	CB-657§	4½	2.30	86 PX 923	CB-770§	4¾	2.75	86 PX 122	AC-426††	2½	3.
3x17x11	80 PX 484	CB-658§	4½	2.71	86 PX 266	CB-771§	4¾	3.42	86 PX 123	AC-417††	3	3.
2x17x12	80 PX 485	CB-663§	4½	2.39	86 PX 925	CB 661§	4¾	3.03	......	......	......	......
3x17x12	80 PX 486	CB-664§	5¼	2.85	86 PX 268	CB-662§	5¾	3.60	86 PX 128	AC-418††	3	4.
2x17x13	80 PX 487	CB-659§	5	2.85	86 PX 269	CB-772§	5½	3.65	86 PX 944	AC-419††	2¾	3.
3x17x13	80 PX 488	CB-660§	5½	3.34	86 PX 270	CB-773§	6	3.99	86 PX 124	AC-420††	3	4.
4x17x10	80 PX 489	CB-640§	6½	2.86	86 PX 926	CB-641§	7	3.44	86 PX 125	AC-427††	3¾	4.
4x17x13	80 PX 490	CB-642§	7½	3.84	86 PX 927	CB-643§	8	4.59	86 PX 126	AC-428††	4	5.
5x17x10	80 PX 491	CB-623§	7½	4.42	86 PX 928	CB-624§	8	5.23	......	......	......	......
5x17x13	80 PX 492	CB-625§	8	4.83	86 PX 929	CB-626§	8½	5.81	......	......	......	......

BOTTOM PLATES FOR CHASSIS BASES

Bottom plates to fit the chassis bases listed above. Ideal for shielding. In zinc-plated or black ripple heavy-gauge steel plate and aluminum. Four raised bosses in corners to prevent marring and scratching of table- or shelves. Drilled for use with No. 6 self-tapping screws.

Size	Lbs.	Black Wrinkle			Zinc Plated			Aluminum			
		Stock No.	Type No.	NET	Stock No.	Type No.	NET	Stock No.	Type No.	Lbs.	N
5x7"	1	80 P 386	BP-705	.56	80 P 406	BP-706	.68	80 P 426	BPA-1589	½	.
5x9½"	1¼	80 P 387	BP-680	.61	80 P 407	BP-667	.73	80 P 427	BPA-1590	¾	.
5x10"	1¼	80 P 388	BP-536	.66	80 P 408	BP-538	.72	80 P 428	BPA-1591	¾	.
7x7"	1½	80 P 389	BP-681	.90	80 P 409	BP-668	.95	80 P 429	BPA-1592	¾	.
7x9"	1½	80 P 390	BP-682	.92	80 P 410	BP-669	.97	80 P 430	BPA-1593	¾	.
7x11"	1½	80 P 391	BP-683	.93	80 P 411	BP-670	1.05	80 P 431	BPA-1594	¾	.
7x12"	1¾	80 P 392	BP-537	.97	80 P 412	BP-539	1.10	80 P 432	BPA-1595	1	.
7x13"	1¾	80 P 393	BP-684	1.00	80 P 413	BP-671	1.18	80 P 433	BPA-1596	1	1.
5x13½"	1½	80 P 394	BP-685	.82	80 P 414	BP-672	.98	......	......	......	..
4x17"	2	80 P 395	BP-1069	.82	80 P 415	BP-1067	1.05	......	......	......	..
7x17"	2	80 P 396	BP-686	.88	80 P 416	BP-673	1.34	......	......	......	..
8x10"	1¾	80 P 400	BP-707	.90	80 P 417	BP-708	1.03	......	......	......	..
8x12"	2	80 P 397	BP-709	1.04	80 P 418	BP-710	1.31	......	......	......	..
8x17"	2¼	80 P 398	BP-687	.93	80 P 419	BP-674	1.51	......	......	......	..
10x12"	2	80 P 399	BP-688	.93	80 P 420	BP-675	1.54	......	......	......	..
10x14"	2	80 P 401	BP-517	1.22	80 P 421	BP-514	1.30	......	......	......	..
10x17"	2¼	80 P 402	BP-689	1.18	80 P 422	BP-676	1.57	80 P 434	BPA-1597	1¼	.
11x17"	2	80 P 403	BP-690	1.18	80 P 423	BP-677	1.57	......	......	......	..
12x17"	2½	80 P 404	BP-691	1.24	80 P 424	BP-678	1.83	......	......	......	..
13x17"	2¾	80 P 405	BP-692	1.44	80 P 425	BP-679	2.20	80 P 435	BPA-1598	1¼	2

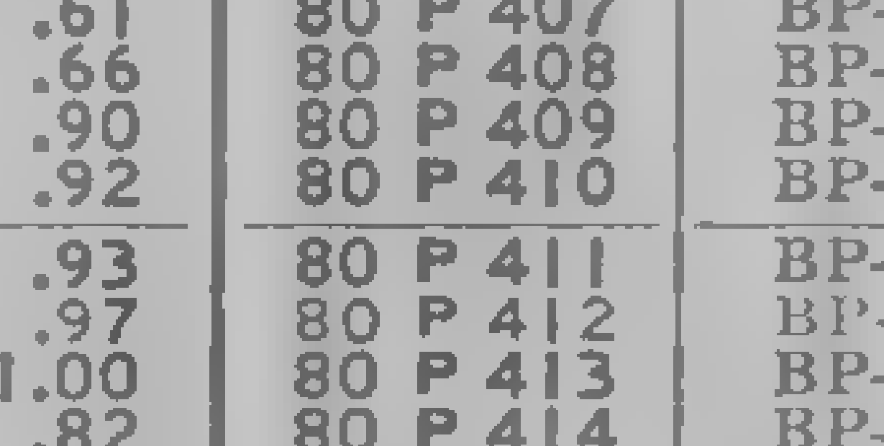
HEAVY-DUTY CHASSIS BASES



Ruggedly constructed chassis bases for heavy duty applications. Formed of one-piece heavy 1/16" steel. Corners are spot welded and sides are folded over at bottom. Electro-zinc plated. Supplied complete with bottom plates and mounting screws.

Stock No.	Type	H.W.D.	Lbs.	NET
86 PX 240	CB-1765	3x17x8"	8	4.66
86 PX 242	CB-1767	3x17x11"	9½	4.74
86 PX 243	CB-1768	2x17x13"	10	5.23
86 PX 244	CB-1769	3x17x13"	10½	5.32
86 PX 946	CB-1770	4x17x13"	11½	5.73

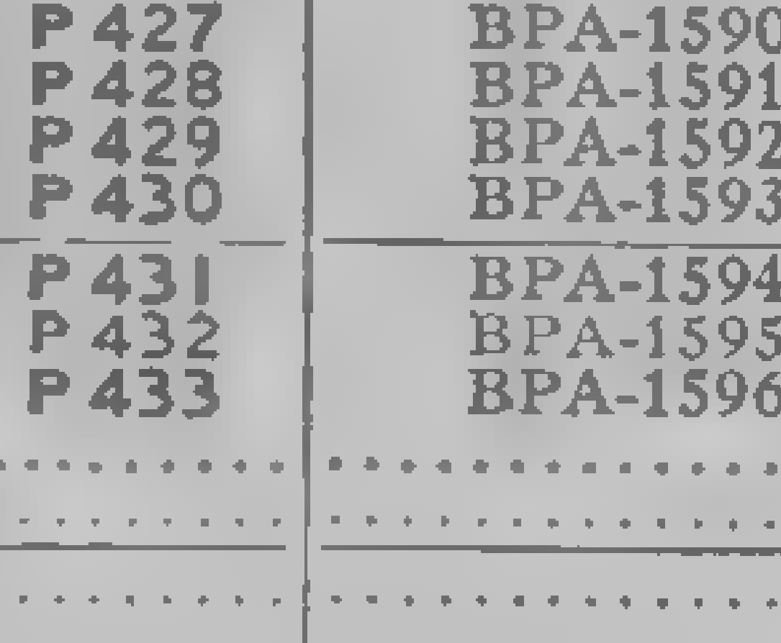
OPEN-END CHASSIS



Open-end, heavy-gauge aluminum chassis. Have U-shaped construction with ends folded over ⅜" to provide additional strength. Available in a wide variety of sizes to accommodate nearly every construction requirement. Excellent for use with Bud cabinets specified in table, below. Natural aluminum finish. Av. shpg. wt., 1½ lbs.

Stock No.	Type	H.W.D.	For Cabinet	NET
80 P 437	CB-30	1½x7x5"	......	.95
80 P 438	CB-41	1½x7x7"	C-973	1.22
80 P 440	CB-996	1½x9x5½"	C-993	1.07
80 P 441	CB-976	1½x9x7½"	C-999, CD-1481	1.37
80 P 443	CB-997	1½x11x7"	C-994, CD-1482	1.27
80 P 444	CB-998	1½x13x7"	C-995, CD-1483	1.56
80 P 436	CB-38	2x6x7"	C-1584	.98
80 P 439	CB-39	2x8x7"	C-1585	1.15
80 P 442	CB-40	2x10x7"	C-1586	1.34

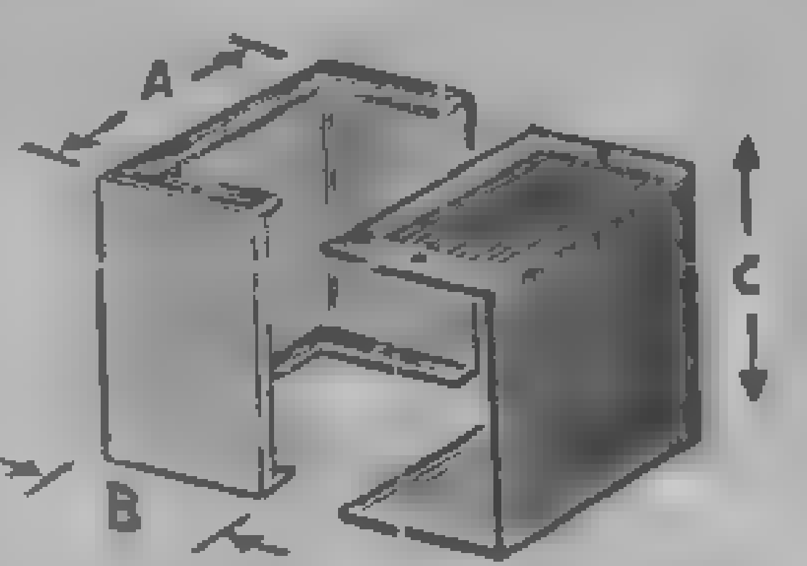
MINIATURE ALUMINUM CHASSIS



Open-end alumi chassis for limited applications. Exce for use with mini tubes and for s semblies. Have mounting flanges t low addition of bo plate. Natural a num finish. Av. shpg. wt., ¾ lbs.

Stock No.	Type	H.W.D.	For Cabinet
80 P 446	CB-1624	1x3⅛x1¾"	CU-883
80 P 452	CB-1617	1x3⅛x4"	C-1606
80 P 448	CB-1626	1x4⅛x2¼"	CU-728
80 P 453	CB-1618	1x4⅛x4"	C-1607
80 P 454	CB-1619	1x5⅛x4"	C-1608
80 P 455	CB-1620	1x6⅛x4"	C-1609
80 P 445	CB-1623	1¼x2¾x2⅝"	..
80 P 450	CB-1628	1¼x6⅛x3"	C-1788
80 P 449	CB-1627	1½x4⅛x3¾"	CU-729
80 P 451	CB-1629	1½x4⅞x5¾"	CU-1098
80 P 447	CB-1625	2x4½x3¼"	C-1788

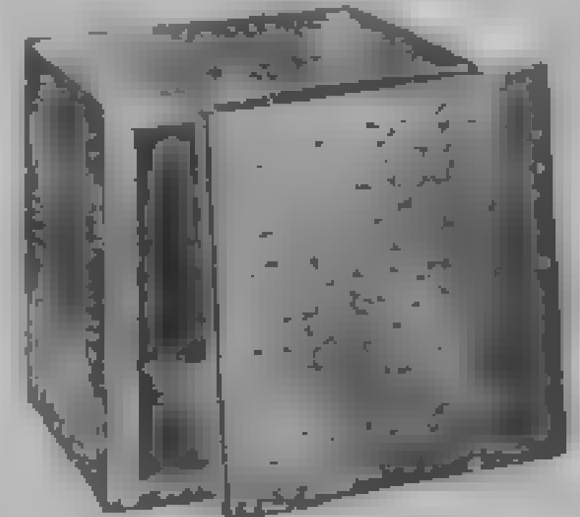
ALUMINUM MINIBOXES



iece aluminum boxes with handsome ammertone or natural aluminum fin- articularly suited for sub-assemblies. e used for phono amplifiers, VHF and converters, low-pass TVI filters, test easurement units, etc. Two-piece con- on permits easy installation of com- and easy access to circuitry for ng or wiring modifications. Flanges low RF leakage and high rigidity. rpose snap locks permit quick assembly and disassembly of units; ermit use with self-tapping screws (supplied).

	Shpg. Wt., Lbs.	Gray Hammertone	Mfr's Type	NET EACH	Natural Aluminum	Mfr's Type	NET EACH
	½	80 P 342	CU-2100A	.73	80 P 360	CU-3000A	.58
	½	80 P 359	CU-2117A	.76	80 P 377	CU-3017A	.61
	½	80 P 343	CU-2101A	.74	80 P 361	CU-3001A	.60
	½	80 P 357	CU-2115A	.90	80 P 375	CU-3015A	.73
	½	80 P 344	CU-2102A	.78	80 P 362	CU-3002A	.63
	½	80 P 345	CU-2103A	.88	80 P 363	CU-3003A	.71
	½	80 P 358	CU-2116A	.90	80 P 376	CU-3016A	.73
	½	80 P 346	CU-2104A	.93	80 P 364	CU-3004A	.74
	¾	80 P 347	CU-2105A	1.18	80 P 365	CU-3005A	.94
	½	80 P 348	CU-2106A	1.00	80 P 366	CU-3006A	.80
	1	80 P 349	CU-2107A	1.47	80 P 367	CU-3007A	1.18
	1	80 P 350	CU-2108A	1.62	80 P 368	CU-3008A	1.29
	1¼	80 P 351	CU-2109A	2.06	80 P 369	CU-3009A	1.65
	¾	80 P 355	CU-2113A	1.18	80 P 373	CU-3013A	.94
	1½	80 P 352	CU-2110A	2.30	80 P 370	CU-3010A	1.84
	1	80 P 356	CU-2114A	1.52	80 P 374	CU-3014A	1.22
	1½	80 P 353	CU-2111A	3.14	80 P 371	CU-3011A	2.51
	2½	80 P 354	CU-2112A	3.14	80 P 372	CU-3012A	2.51

METAL UTILITY CABINETS

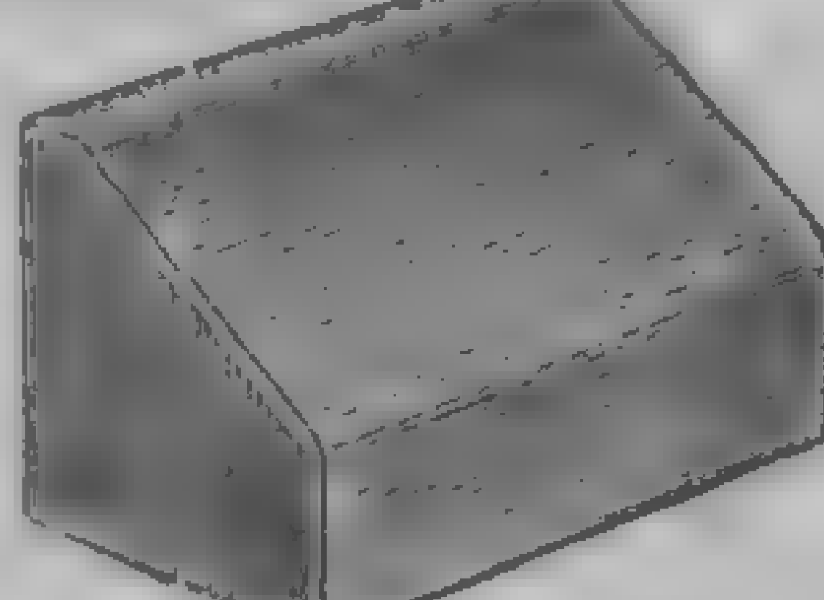


utility cabinets for all types of electronic ment. Excellent for housing receivers, moni- VFO's test equipment, frequency meters, mitters, etc. Well adapted for shielding of gain preamplifiers, RF sections, other special ts. Two removable panels attach to flanges self-tapping screws.

	Mfr's Type	Wt., Lbs.	Stock No. (Steel) Black	Stock No. (Steel) Gray	NET EACH
	CU883	1¼	86 P 200	80 P 332	1.07
	CU728	1½	86 P 201	80 P 333	1.20
	CU729	2½	86 P 202	80 P 334	1.35
	CU1098	3	86 P 203	80 P 335	2.05
	CU1099	4	86 P 204	80 P 336	2.29
	CU879	5	86 P 205	80 P 337	3.27
	CU880	8	86 P 207	80 P 339	3.93
	CU1124	5	86 P 206	80 P 338	3.22
	CU881	9	86 P 208	80 P 340	4.25
	CU882	9	86 P 209	80 P 341	4.42

	Mfr's Type	Wt., Lbs.	Etched Aluminum	NET EACH	Gray Hammertone	NET EACH
	AU-1083	¼	88 P 543	1.26	88 P 548	1.47
	AU-1028	¼	88 P 544	1.34	88 P 549	1.64
	AU-1029	½	88 P 545	1.47	88 P 550	1.80
	AU-1039	¾	88 P 546	2.13	88 P 551	2.37
	AU-1040	1	88 P 547	2.46	88 P 552	2.78

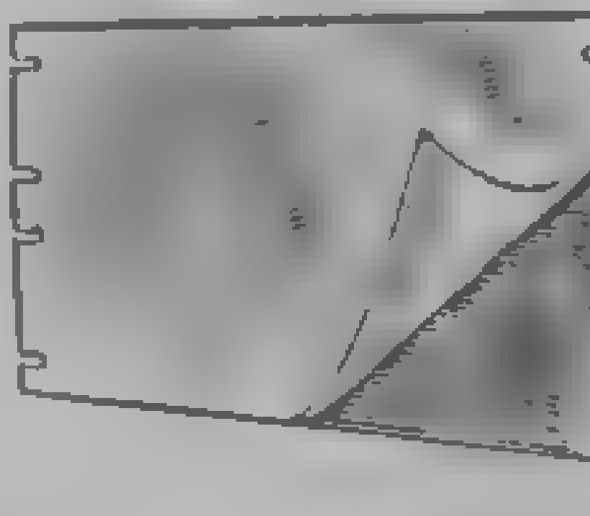
UNIVERSAL SLOPING-PANEL CABINETS



atile, streamlined sloping-panel cab- available in steel or aluminum. Offer space to house a two or three mini- tube amplifier or gadget. Sides and piece detachable back fasten to the y with self-tapping screws for easy nce and replacement of components. y enclosed to exclude dust and mois- Easily accommodate most small chas- All units 4" high, 4¼" deep in gray mertone finish.

	Steel Stock No.	Mfr's Type	Shpg. Wt., Lbs.	NET EACH	Aluminum Stock No.	Mfr's Type	Shpg. Wt., Lbs.	NET EACH
	88 P 642	C-1606	¾	1.42	88 P 646	AC-1610	½	1.65
	88 P 643	C-1607	¾	1.52	88 P 647	AC-1611	½	1.71
	88 P 644	C-1608	1⅛	1.62	88 P 648	AC-1612	¾	1.86
	88 P 645	C-1609	1⅛	1.86	88 P 649	AC-1613	¾	2.06

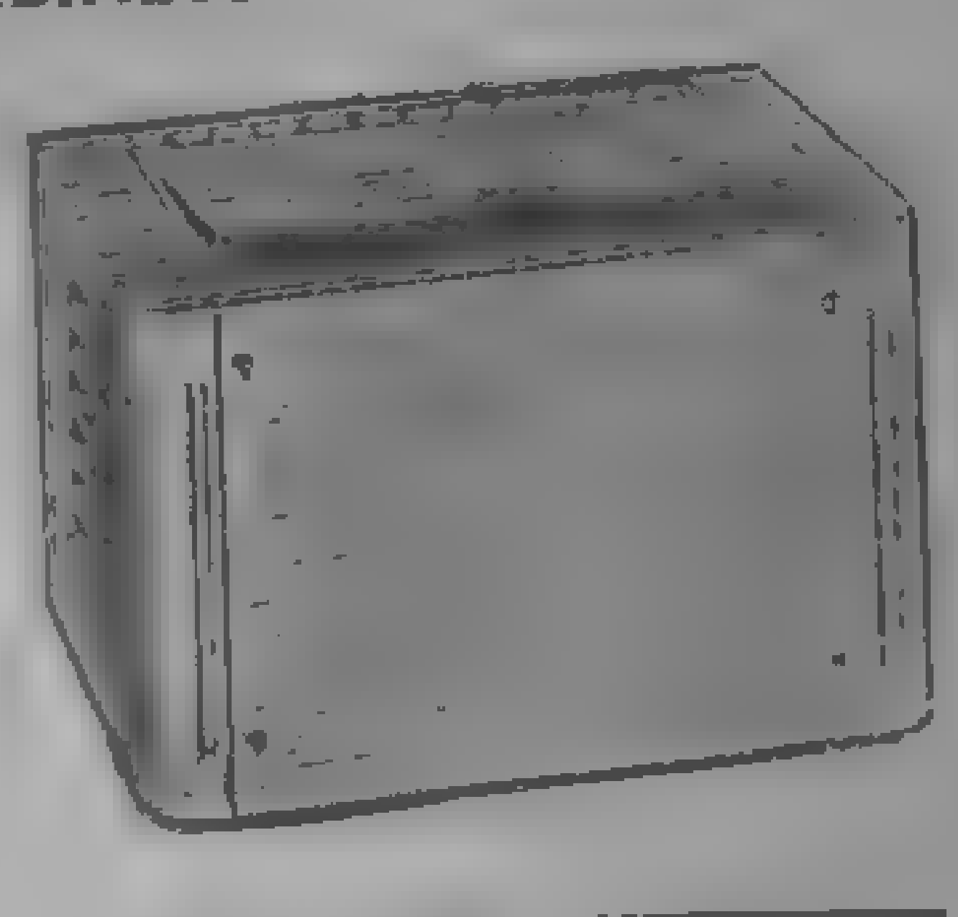
W, SHIELDED SURFACE RACK PANELS



thick, naturally bright aluminum alloy relay k panels in blemish-free mill finish. Each panel overed on both sides with sturdy pressure sensi- hite paper to protect against damage. Paper ellent surface for indicating size and position drilling or milling. All are 19" wide with dard notching.

eight	Shpg. Wt., Lbs.	Mfr's Type	Stock No.	NET EACH
	¼	SFA-1831	88 PX 662	.95
	¾	SFA-1832	88 PX 663	1.31
	1	SFA-1833	88 PX 664	1.76
	1¾	SFA-1834	88 PX 665	2.17
	2	SFA-1835	88 PX 666	2.61
	2½	SFA-1836	88 PX 667	3.27
	2¾	SFA-1837	88 PX 668	3.77
	3	SFA-1838	88 PX 669	4.36
	3½	SFA-1839	88 PX 670	4.87
	4	SFA-1840	88 PX 671	5.36
	4¼	SFA-1841	88 PX 672	5.87
	5	SFA-1842	88 PX 673	6.37

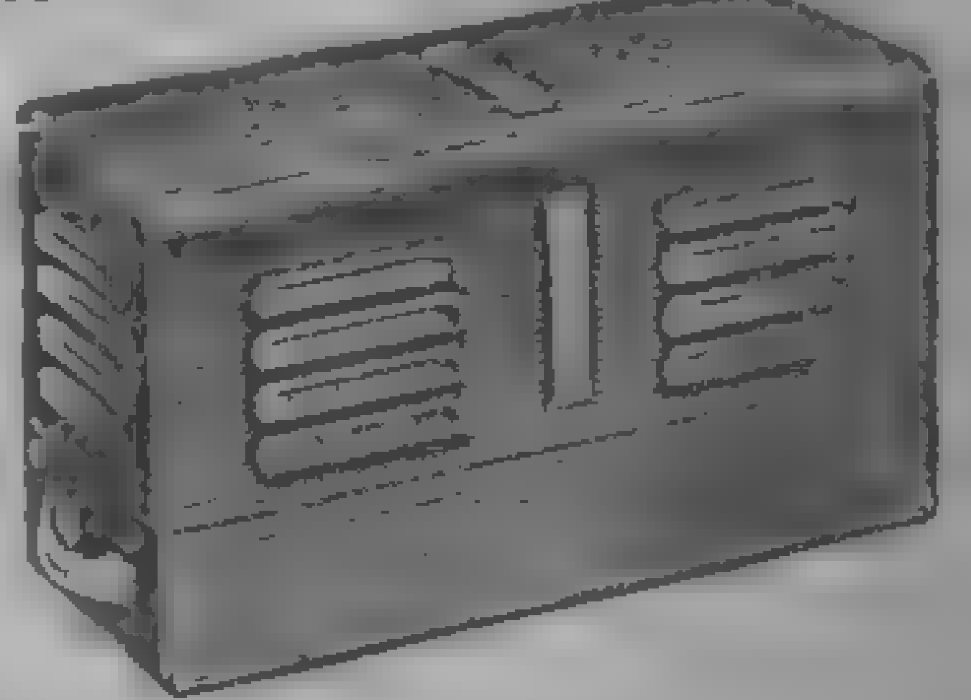
STREAMLINED CABINETS



Ideal cabinets for electrical or electronic devices not requiring excessive depth. Feature recessed hinged cover with convenient finger lift; panels fit flush with embossed, rounded corner fronts. All components built into cabinets are easily accessible. A 3½" high opening across the back for cables or rear controls. Louvered sides provide ample ventilation. All are 8" high and 8¼" deep except *12" high and 12" deep. CD-1485 has ½" vertical chrome strip fastened to corners. Bud open end chassis are recommended for use in these cabinets. Choice of gray hammertone or black wrinkle finish.

Size Width	Size Panel	Mfr's Type	Gray Hammertone	Black Wrinkle	Wt., Lbs.	NET EACH
10½"	8x8"	CD-1480	88 PX 650	88 PX 651	5¼	5.78
12½"	8x10"	CD-1481	88 PX 652	88 PX 653	6	5.89
14½"	8x12"	CD-1482	88 PX 654	88 PX 655	6½	6.18
16½"	8x14"	CD-1483	88 PX 656	88 PX 657	7	6.63
18½"	8x16"	CD-1484	88 PX 658	88 PX 659	7¼	7.21
20⅝"	12x18"	CD-1485*	88 PX 660	88 PX 661	15	14.65

STREAMLINED FOUNDATIONS



Deluxe foundation units for use where an especially neat, pleasing appearance is required. Ideal for all types of electronic equipment. Feature modern styling and rigid construction.

Each unit consists of a removable top cover mounted on a chassis. Foundation covers are designed with louvered sides and perforated tops to provide proper ventilation and attractive styling.

Strong aluminum handles are solidly fitted to each end of chassis to allow safe, convenient movement. All chassis are 3" high. Streamlined units are available in either black wrinkle or gray wrinkle enamel finish, with complementary chrome trim.

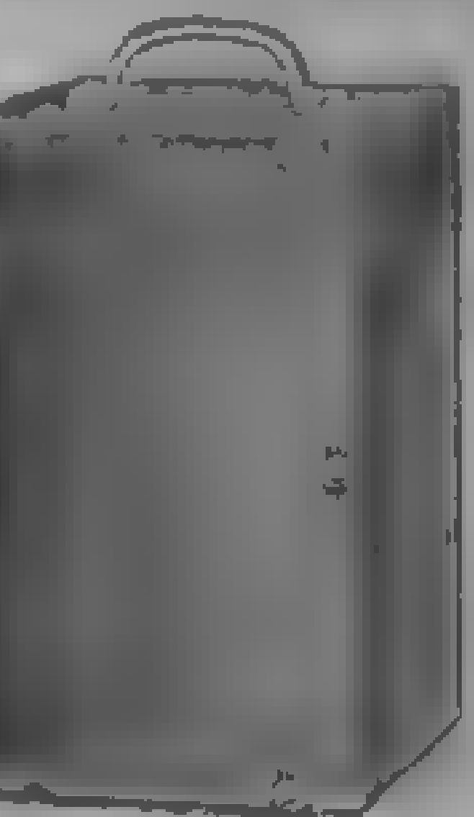
Size H.W.D.	Mfr's Type	Black Wrinkle	Mfr's Type	Gray Wrinkle	Wt., Lbs.	NET EACH
9x10 1/16x5"	CA1750	80 P 493	CA1750G	80 P 497	4¼	6.62
9x12 1/16x7"	CA1751	80 PX 494	CA1751G	80 PX 498	5	7.86
9x17 1/16x7"	CA1752	80 PX 495	CA1752G	80 PX 499	8	8.35
9x17 1/16x10"	CA1753	80 PX 496	CA1753G	80 PX 696	9	9.08

SLOPING-PANEL CABINETS

Sloping panel steel cabinets with hinged top for easy access to tubes and top-of-chassis components. Removable front panel permits easy attachment of chassis. Fit following sized chassis: Type C-1584, 7x6x2"; Type C-1585, 7x8x2"; Type 1586, 7x10x2"; Type C-1587, 7x7x2"; Type C-1588, 7x9x2"; Type C-1892, 8x12x2½"; Type C-1893, 10x17x3"; Type C-1894, 7x13x2"; Type C-1896, 7x17x3" In black wrinkle or light gray hammertone finish.

Size H.W.D.	Wt., Lbs.	Mfr's Type	Stock No. Black	Mfr's Type	Stock No. Gray	NET EACH
6½x7 1/16x7 5/16"	3	C-1584	86 P 900	C-1584HG	88 P 576	3.23
6½x9 1/16x7 5/16"	3½	C-1585	86 P 901	C-1585HG	88 P 577	3.67
6½x11 1/16x7 5/16"	4	C-1586	86 P 902	C-1586HG	88 P 578	4.25
8x13 1/16x8½"	5¾	C-1892	86 PX 903	C-1892HG	88 PX 581	5.48
10x18 1/16x10½"	9	C-1893	86 PX 904	C-1893HG	88 PX 582	7.69
8x8 1/16x8"	3¼	C-1587	86 P 968	C-1587HG	88 P 579	4.42
8x10 1/16x8"	3¾	C-1588	86 P 969	C-1588HG	88 P 580	4.91
8x14 1/16x8"	4½	C-1894	86 PX 970	C-1894HG	88 PX 583	5.23
9x18 1/16x8⅛"	7½	C-1896	86 PX 971	C-1896HG	88 PX 584	7.53

ALUMINUM AND STEEL CARRYING CASES



Ideal housings for portable transceivers, test instruments, power supplies, radio-control units, field strength meters, phono oscillators, etc. Ruggedly constructed to withstand hard usage. Front and back panels mount with self-tapping screws. Panels are easily removable to provide access to interior; can be used for mounting components such as meters, relays, transformers, power resistors, etc. Available in either welded steel for maximum strength, or in aluminum for light weight. Steel units in black wrinkle or gray hammertone finish; aluminum units in natural, or gray hammertone finish.

PORTABLE STEEL CASES

Size H.W.D.	Mfr's Type	Wt., Lbs.	Stock No. Black	Stock No. Gray	NET EACH
9x6x5"	CC-1095	3¼	80 P 798	80 P 813	2.95
6x9x5"	CC-1091	3¼	80 P 799	80 P 814	2.95
12x7x6"	CC-1096	4	80 P 808	80 P 816	4.10
7x12x6"	CC-1092	4	80 P 809	80 P 817	4.10
15x7¾x7"	CC-1097	5	80 PX 810	80 PX 818	4.59
10x10x8"	CC-1100	5	80 PX 811	80 PX 819	4.74
9x15x7"	CC-1093	5	80 PX 812	80 PX 848	5.73

PORTABLE ALUMINUM CASES

Size H.W.D.	Mfr's Type	Wt., Lbs.	Stock No. Natural	NET EACH	Stock No. Gray	NET EACH
9x6x5"	ACC-2095	2	88 P 567	3.03	88 P 571	3.44
6x9x5"	ACC-2091	2	88 P 565	3.03	88 P 569	3.44
12x7x6"	ACC-2096	2	88 P 568	4.41	88 P 572	4.99
7x12x6"	ACC-2092	2	88 P 566	4.41	88 P 570	4.99

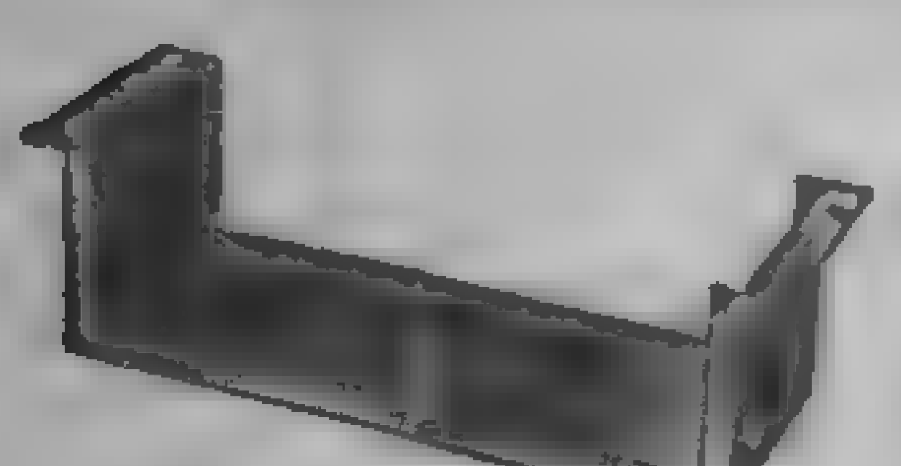
Bud Metal Products

MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS

Sturdily-made, unusually compact, steel utility cabinets with a built-in chassis attached to the front panel. Especially suitable for standing-wave bridges, frequency meters, small transistorized receivers, code practice oscillators, decade boxes, crystal sets, and many other types of small, self-contained units. Removable front and rear panels fastened with self-tapping screws permit easy access to components and provide maximum layout flexibility. Black-wrinkle enamel finish.

Stock No.	Mfr's Type	Cabinet H.W.D.	Chassis H.W.D.	Wt., Lbs.	NET EACH
80 P 326	C-1793	4x4x2"	1x3⅛x1⅞"	¾	1.31
80 P 327	C-1794	4x5x3"	1x4⅛x2⅞"	1	1.45
80 P 328	C-1795	5x4x3"	1¼x3⅛x2⅞"	1	1.59
80 P 329	C-1796	6x5x4"	1¾x4⅛x3⅞"	1¾	1.67
80 P 330	C-1797	5x6x4"	1¼x5⅛x3⅞"	1¾	1.88
80 P 331	C-1798	6x6x6"	1¾x4⅞x5⅞"	2¾	2.13

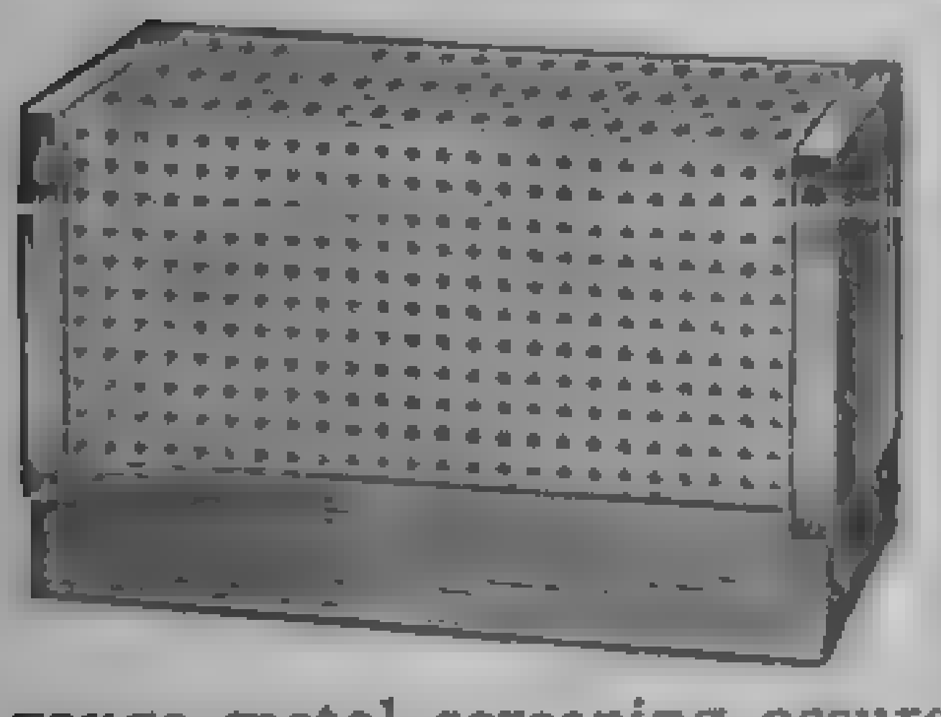
PANEL-MOUNTING CHASSIS



Ideal for vertical chassis installation where space in depth is limited or front service is desired. Open-side chassis for standard 19" mounting. .062" aluminum with reinforced corners. 1" flange on ends, with 4 elongated holes for mounting to any rack with std. panel notching. All other edges have ⅝" flanges. All models 17" wide, excluding flange, and 5⁹⁄₁₆" deep.

Stock No.	Type	Height	Lbs.	NET
86 PX 185	CB-1370	1¾"	1	2.25
86 PX 186	CB-1371	3½"	1½	2.54
86 PX 187	CB-1372	5¼"	1¾	2.78
86 PX 188	CB-1373	7"	2¼	3.19
86 PX 189	CB-1374	8¾"	2½	3.68
86 PX 190	CB-1375	10½"	3	4.34
86 PX 191	CB-1376	12¼"	3¼	4.74
86 PX 192	CB-1377	14"	3½	5.23

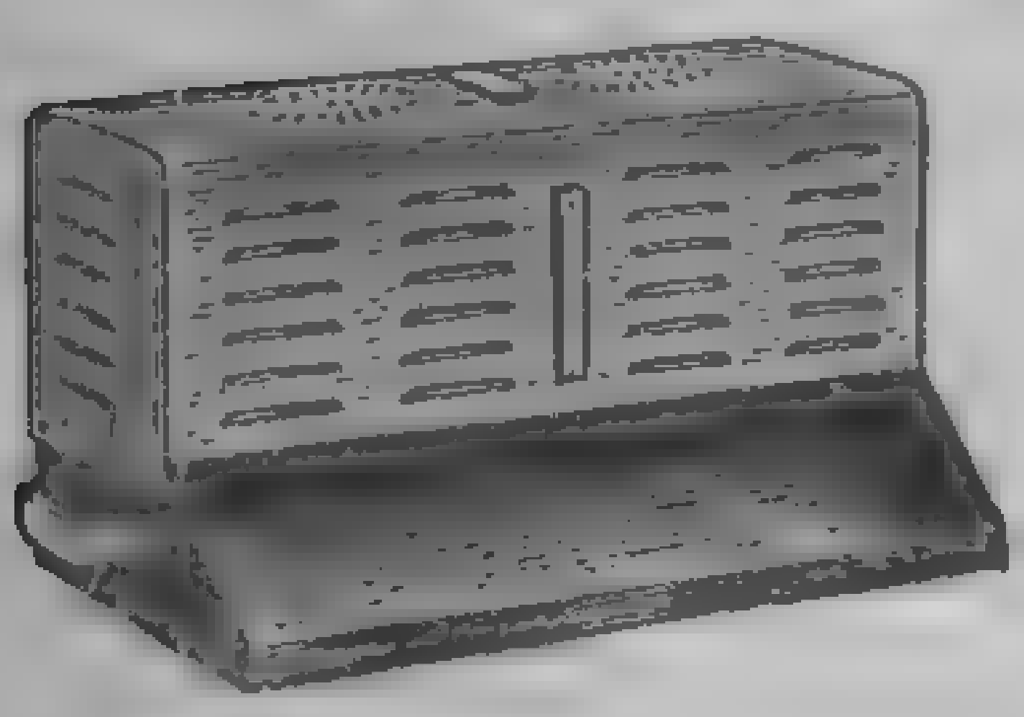
STANDARD AMPLIFIER FOUNDATIONS



Ideal for most amplifier requirements. Foundations consist of regular chassis with rugged metal covers. Solid pieces are used on ends of each cover for bracing and a snug fit to chassis. Heavy-gauge metal screening assures proper protection and ventilation of components. Metal handles provide portability. Types CA-699, CA-1125, and CA-1126 have 2½" high chassis; Type CA-1128 has 3" high chassis. All units have a black wrinkle finish.

Stock No.	Type	H.W.D.	Lbs.	NET
80 P 697	CA-699	8⁵⁄₁₆x9⅝x5⅛"	3	5.50
80 PX 698	CA-1125	8⁵⁄₁₆x13⅝x5⅛"	4¼	6.30
80 PX 699	CA-1126	8⁵⁄₁₆x17⅛x7⅛"	6	7.11
80 PX 656	CA-1128	8¹³⁄₁₆x12⅛x10⅛"	7	7.37

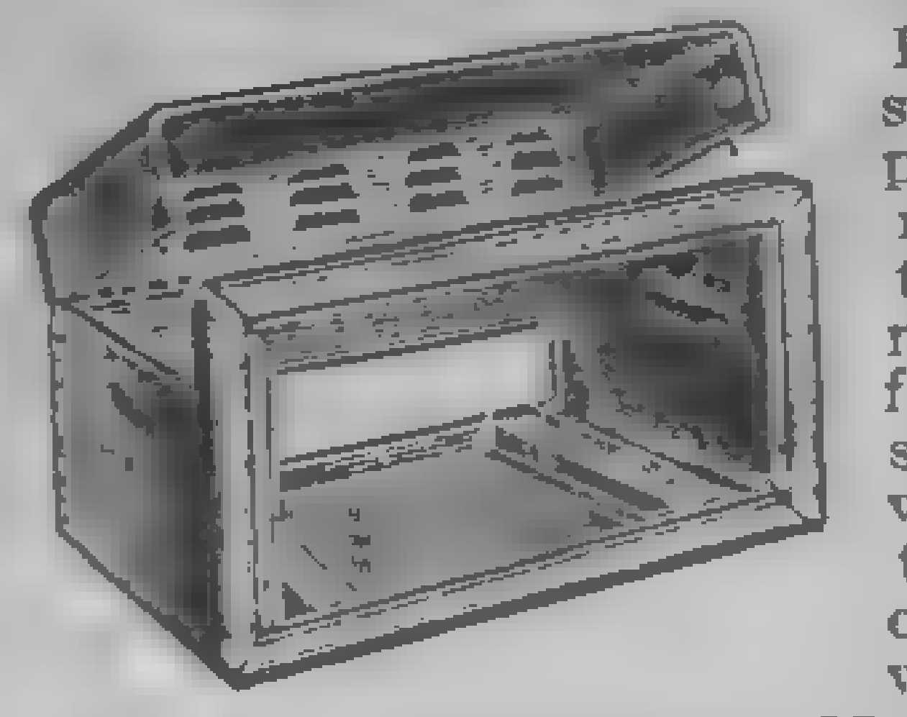
SLOPING CHASSIS AMPLIFIER FOUNDATIONS



Each foundation consists of a 4" sloping front chassis on which is mounted a removable top cover; sloping front provides ample space for mounting of controls or instruments. Ventilators on front panel and louvers on sides allow circulation of air for dissipation of heat. Top cover has gray wrinkle finish with deluxe chrome trim; chassis has contrasting black wrinkle finish. With handles for easy, convenient carrying. Overall height, 9½". Cover, 6" high. Base, 3½" high. Dimensions given below are: TWC—top depth by chassis width by chassis depth.

Stock No.	Mfr's Type	Size	Lbs.	NET
88 P 585	CA-1980	5x10x8"	5	8.51
88 PX 586	CA-1981	7x12x10"	6	9.16
88 PX 587	CA-1982	7x17x10"	8	10.48
88 PX 588	CA-1983	10x17x13"	10	10.97

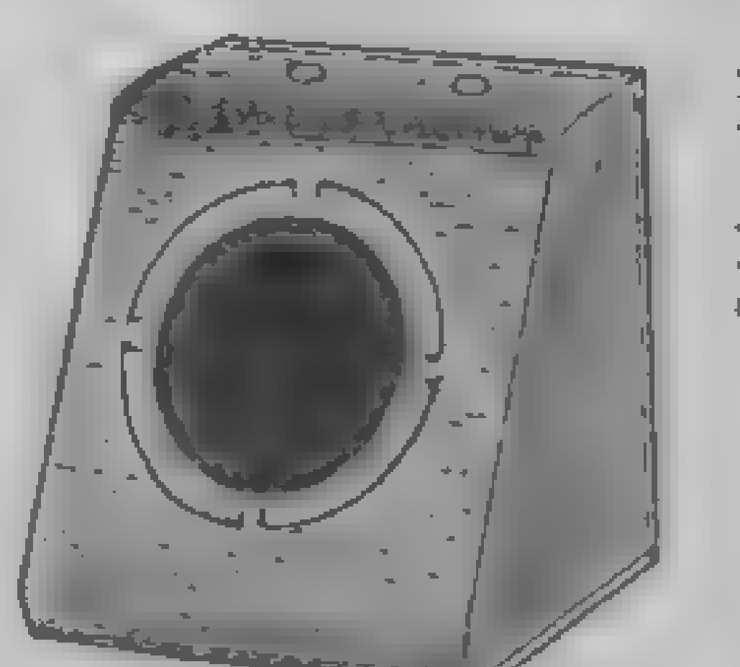
"PRESTIGE" STEEL CABINETS



Hinged cover swings back completely; may be removed. Snaps tightly closed by means of pressure fasteners. Have 2 supporting channels which can be moved to accommodate chassis of different widths. 16-gauge steel; gray hammertone. Have perforated covers. Width, 21⁹⁄₁₆"; Depth, 14⅞". Clear inside depth, 13⅛". Rear opening, 18x3". Cover opening, 21⁹⁄₁₆x12¾". Av. wt., 22 lbs.

Stock No.	Mfr's Type	Height	Panel Space	NET EACH
86 PU 647	C-1550	9½"	7"	29.95
86 PU 648	C-1551	11¼"	8¾"	32.08
86 PU 649	C-1552	13"	10½"	34.86

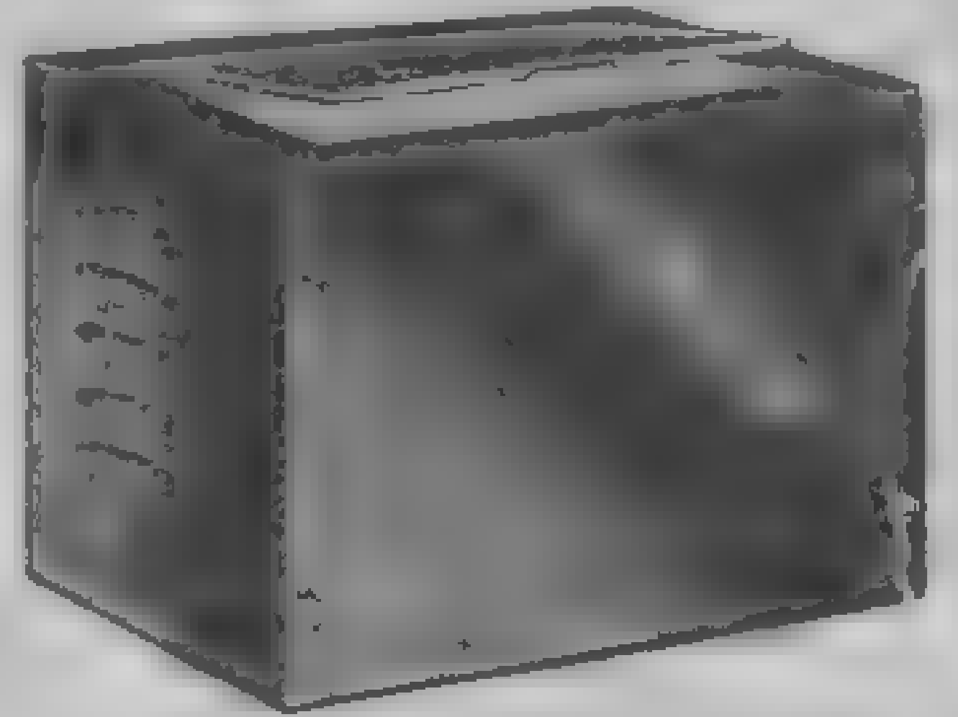
UNIVERSAL METER CASES



For use with 2" or 3" meters. With front panel for 2" meter. Knockout ring enlarges hole for a 3" meter. Have one-piece back and side attached with 4 screws. Top has two ⅜" knockouts for terminal posts or feed-through insulators. Steel or aluminum; gray hammertone finish. 4¼x4x4".

Stock No.	Type	Material	Lbs.	NET
88 P 541	CM 1935	Steel	1	1.20
88 P 542	CMA 1936	Aluminum	¾	1.44

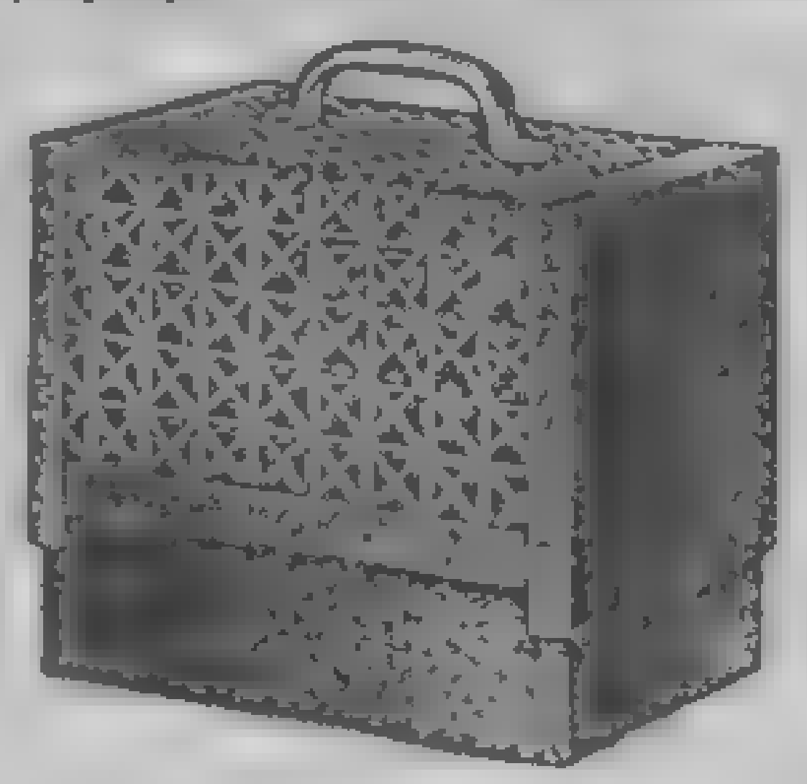
INSTRUMENT AND RECEIVER CABINETS



Ruggedly constructed steel cabinets. Have recessed hinged cover for easy access. Front panel is held securely in place with self-tapping screws. Panel extends full width of cabinet—provides maximum space for controls. Louvers on each side assure ample ventilation. Black wrinkle enamel finish.

Stock No.	Type	H.W.D.	Lbs.	NET
80 P 378	C-973	7x8x8"	5	4.10
80 P 379	C-993	7x10x8"	5½	4.74
80 PX 380	C-994	7x12x8"	5¾	4.91
80 PX 381	C-995	7x14x8"	6	5.15
80 PX 382	C-1190	8x16x8"	7	7.45
80 PX 383	C-975	9x15x11"	8	9.01
80 PX 384	C-999	12x18x12"	15	9.72

MINIATURE AMPLIFIER FOUNDATION



Type CA-1754. Meets the requirements of builders employing miniaturized components. Chassis is only 2" high, 7" wide, and 5" deep. With cover fastened in place, entire unit stands only 6" high! All-steel construction. Removable cover includes a carrying handle. Cover is heavily perforated; fastened to chassis sides by 4 self-tapping screws. Black wrinkle enameled finish. Shpg. wt., 2 lbs.

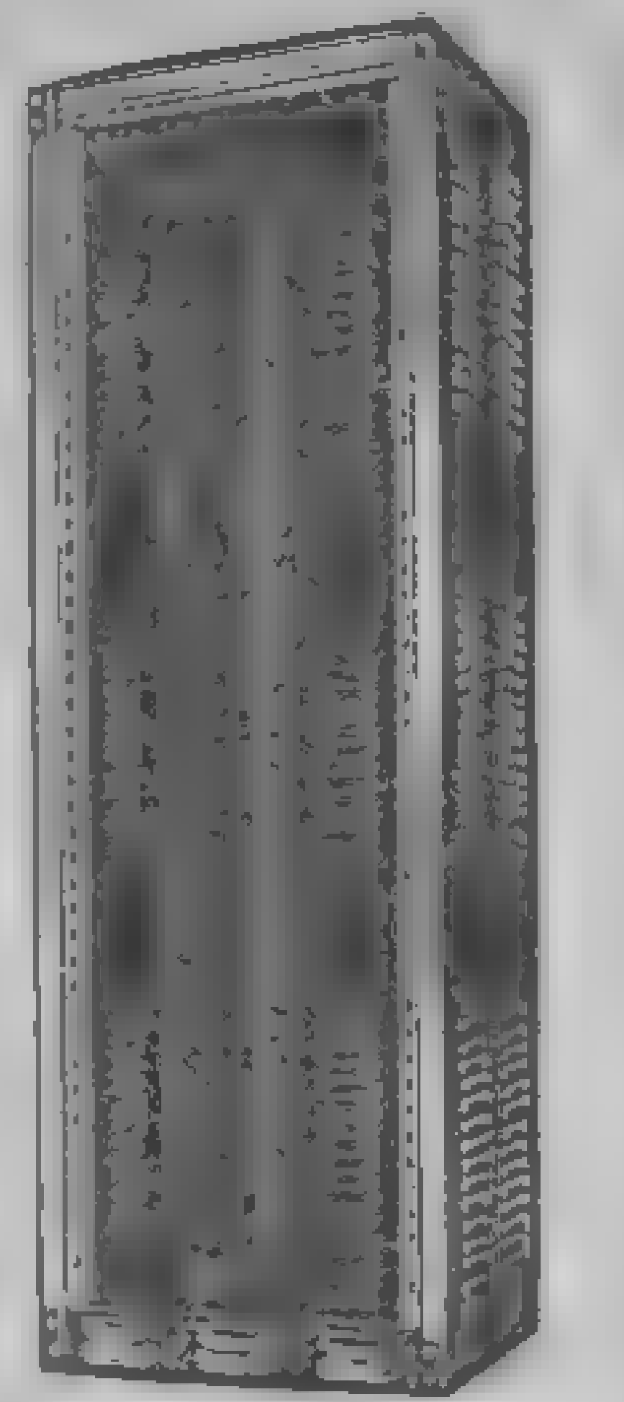
86 P 214. NET EACH................3.92

STANDARD RACK PANELS

Heavy-duty rack panel constructed of ⅛" aluminum. All are 19" in width and have notched edges to fit mounting screw spacing of all standard telephone type relay racks. Supplied in durable, attractive light gray hammertone finish.

Stock No.	Height	Wt., Lbs.	NET
88 PX 601	1¾"	1	1.07
88 PX 602	3½"	2	1.39
88 PX 603	5¼"	2	1.88
88 PX 604	7"	2	2.37
88 PX 605	8¾"	3	2.78
88 PX 606	10½"	3	3.52
88 PX 607	12¼"	4	4.01
88 PX 608	14"	4	4.66
88 PX 609	15¾"	5	5.23
88 PX 610	17½"	5	5.73
88 PX 611	19¼"	6	6.30
88 PX 612	21"	7	6.87

DELUXE ENCLOSED RACKS

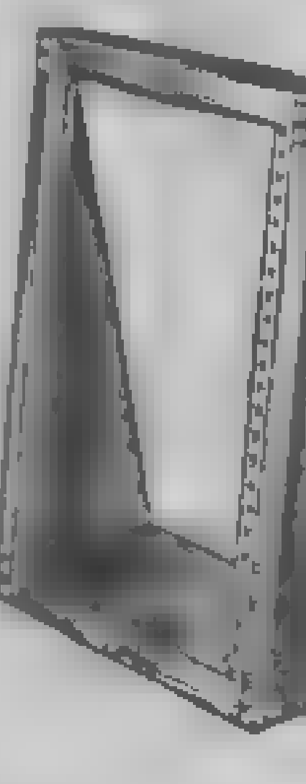


Ruggedly constructed rac 16 gauge steel with ⅛" p el supports. Feature fo sturdy supports at the b tom so casters may be tened directly to base. B sides and the door are louvered to provide exc lent ventilation. The doo hung on strong, loose-jo hinges; is held closed by aluminum die-cast fl type snap-action catch Unusually handsome pearance is achieved w rounded corners and lined chrome trim.

Accurately drilled a tapped for 19" pan Shipped knocked down complete with hardw necessary for assembly. S plied in gray hammerto finish only.

Stock No.	Mfr's Type	Overall Size	Panel Height	Wt., Lbs.	EA
88 PZ 503	CR-1774	42¹⁄₁₆x22x17⅛"	36¾"	90	44
88 PZ 500	CR-1771	47⁵⁄₁₆x22x17⅛"	42"	95	50
88 PZ 501	CR-1772	66⁹⁄₁₆x22x17⅛"	61¼"	122	62
88 PZ 502	CR-1773	82⁵⁄₁₆x22x17⅛"	77"	150	75
98 PZ 868	CR-2072	66⁹⁄₁₆x22x22"	61¼"	150	87
98 PZ 869	CR-2073	82⁵⁄₁₆x22x22"	77"	175	10

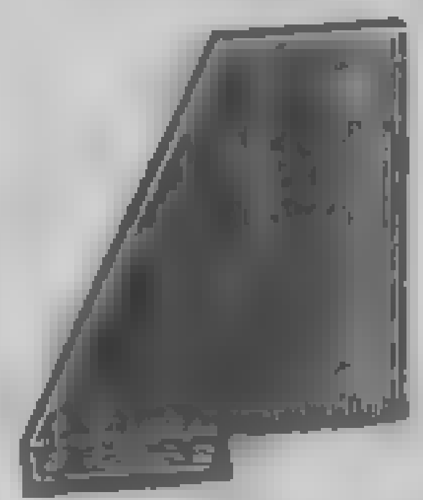
DESK-TYPE RACKS



A strong chassis ideally su for mounting heavy co nents. Perfect for table mo ing of low and medium po transmitters, P.A. syste and other electronic eq ment. Designed for use standard 19" panels. No posed edges. Supplied plete with all necessary mo ing hardware. In handso gray hammertone finish.

Stock No.	Mfr's Type	Panel Ht.	Overall Size	Wt., Lbs.	E
86 PU 879	RR-1248	21"	24x20⅛x12"	15	8
86 PU 880	RR-1249	28"	31x20⅛x12"	17	10

CHASSIS MOUNTING BRACKETS



An excellent accessory for a ing racks and cabinets to spe needs. A rugged, top-q bracket formed of heavy steel. Cut away at the b to provide clearance for a c 3" high. Permits mounting sis flush against panel. Fin in high-grade black enamel. be easily mounted., *Indicates racks for with 4" chassis. Av. shpg. wt., 3 lbs.

Stock No.	Type	Ht.	Depth	Per
86 P 219	MB-458	6½"	8"	1.
86 P 220	MB-448	6½"	10"	1.3
86 P 218	MB-459	6½"	11"	1.4
86 P 221	MB-449	6½"	12"	1.7
86 P 224	MB-460	6½"	13"	1.6
86 P 222	MB-450	*8½"	10"	1.
86 P 223	MB-451	*8½"	13"	2.

UTILITY HANDLES

Strong handles comfortable grip. for mounting on nets to afford po ity. Made of tubular aluminum with finish. Shpg. wt., 2 oz.

Stock No.	Type	Lgth.	Mtg. Ctr.
86 P 849	UH-70A	5⅛"	4⅝"
86 P 899	UH-71A	3¾"	3¼"

PLASTIC CASES AND PANELS

Molded black plastic cases panels designed for test ins ment mounting. Sturdily structed to protect meter components. Cases have rece corner bosses for flush mour of panels. Pre-drilled for ⁶⁄₃₂" tapping screws. Case walls panels are ⅛" thick.

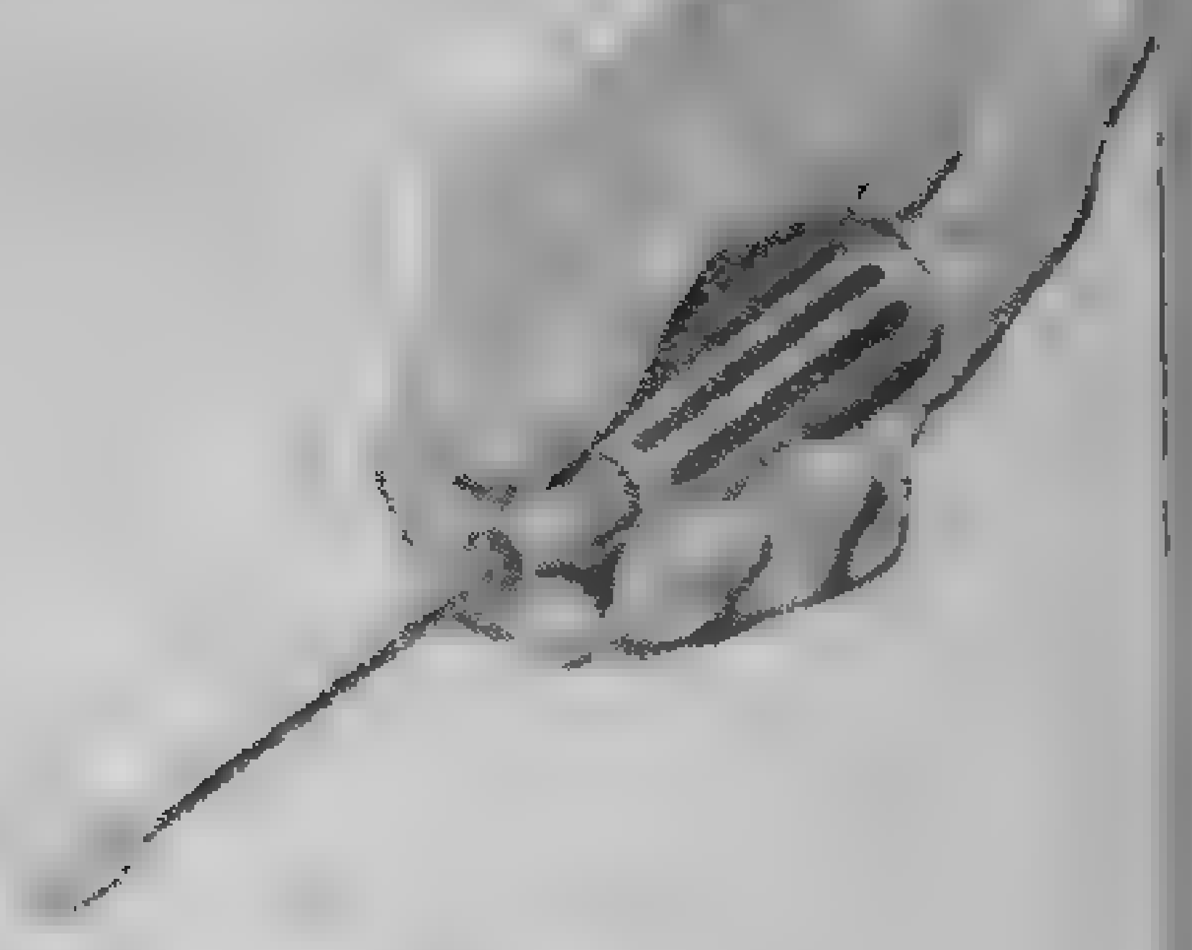
CASES

Stock No.	Size H.W.D.	Wt., Lbs.	NE EA
86 P 286	6¼x3¾x2"	1½	
86 P 287	6¹³⁄₁₆x5⁵⁄₁₆x2⁵⁄₁₆"	2	1.

MATCHING PANELS

Stock No.	Size H.W.	Wt., Lbs.	NE EA
86 P 288	6x3½"	½	
86 P 289	6½x5"	1	

exciting news on the next 55 pages...



about the world's finest
easiest-to-build electronic equipment

1961 knight-kits®
A PRODUCT OF ALLIED RADIO

FUN TO BUILD *Building it yourself is always satisfying fun...it's fun at its best when you build Knight-Kits—they're so beautifully engineered, so much easier and more pleasurable to work with...*

YOU SAVE *You save substantially because you buy direct from Allied at our money-saving big-volume-production prices—and because you do the easy building yourself...*

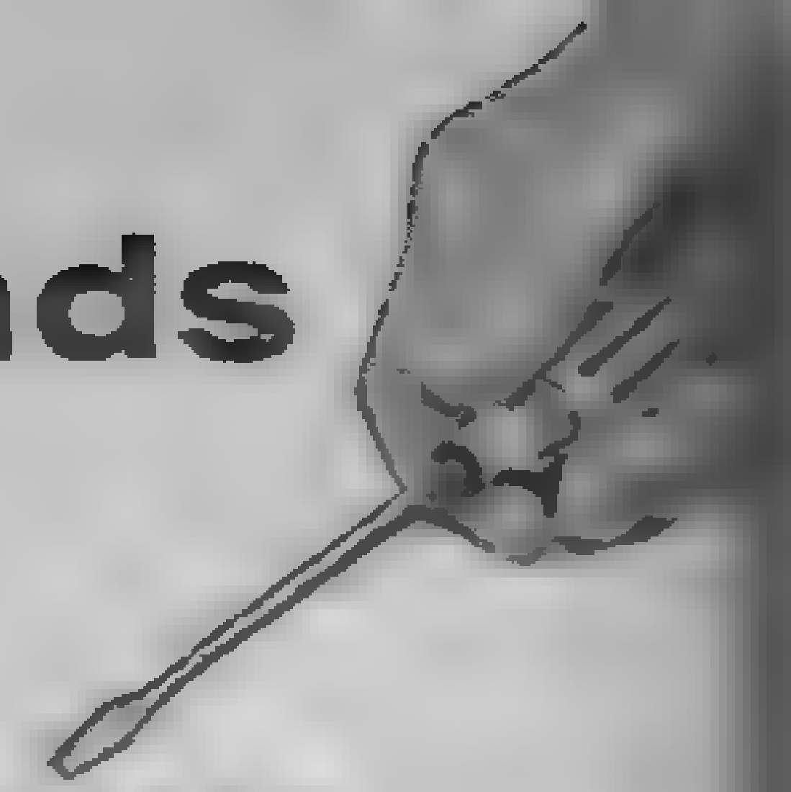
YOU OWN THE BEST *You'll be glad you built a Knight-Kit, because you'll own and enjoy with pride a true custom-built product, professionally engineered and styled—designed for superior performance...*

EASIEST TO BUY ***ONLY $2 DOWN*** *on orders up to $50; $5 down up to $200; $10 down over $200—up to twenty-four months to pay...*

satisfaction guaranteed or your money back

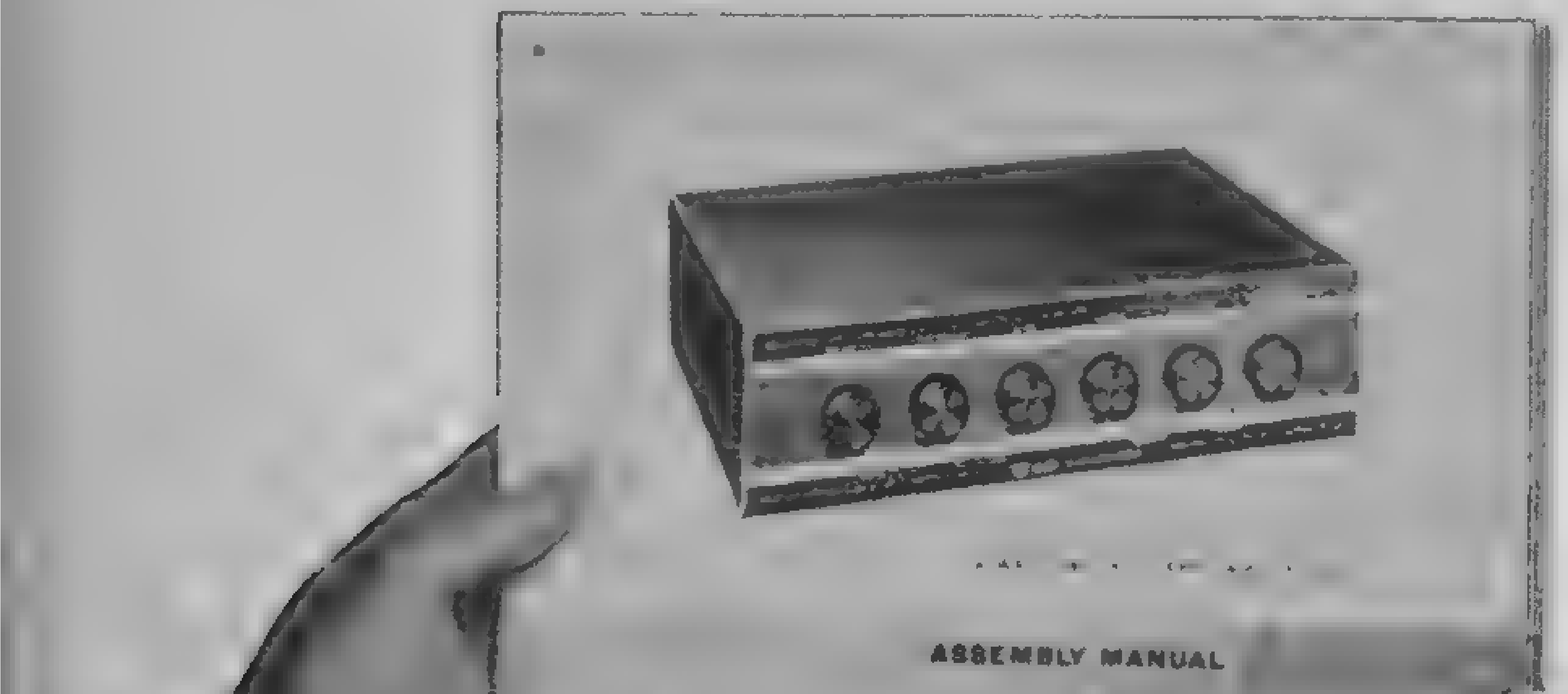
From original concept to final design, each Knight-Kit is produced by and comes directly to you from ALLIED RADIO —pioneer in electronic kit development...

how knight-kits guide your hands to easy, enjoyable building



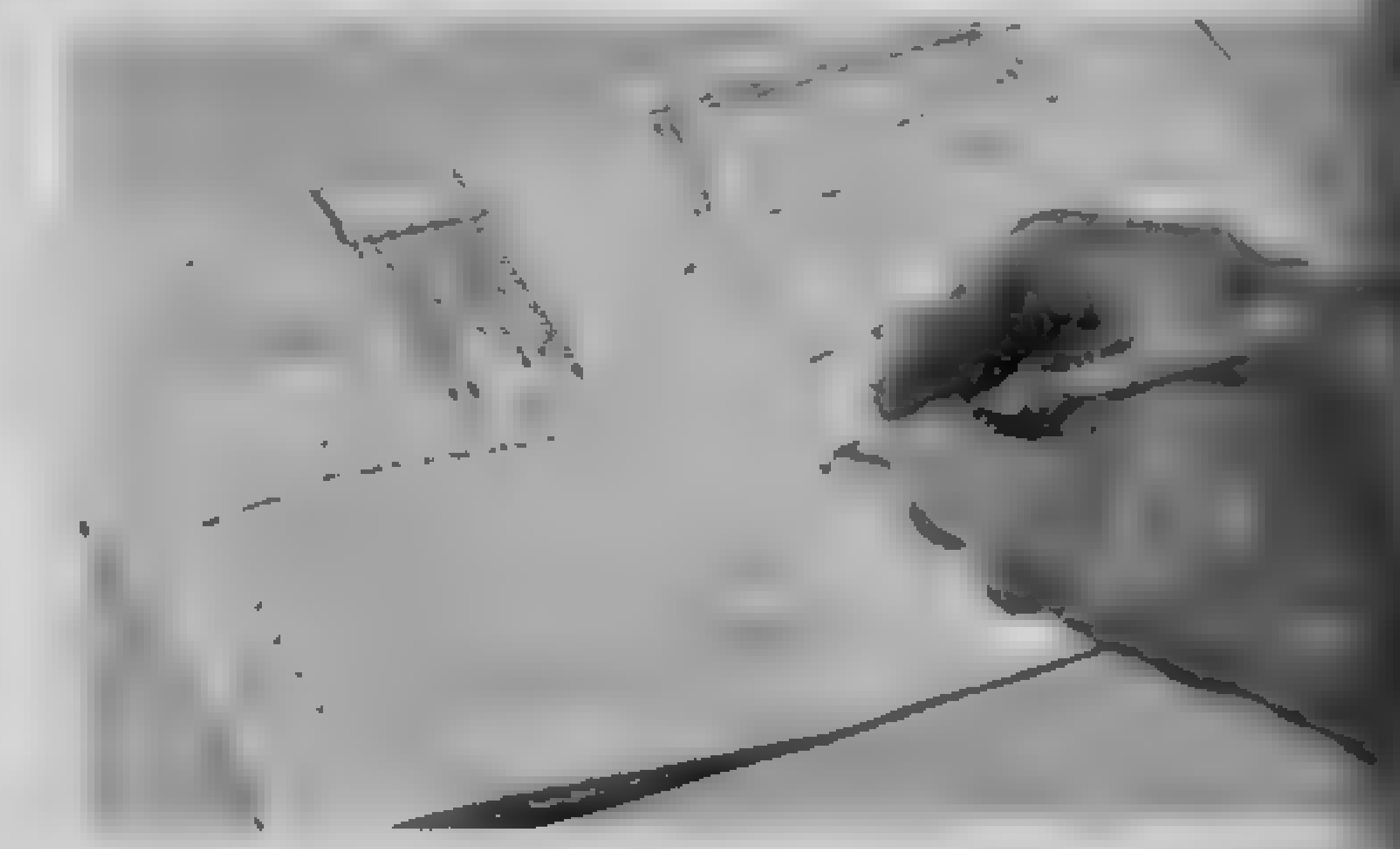
"CONVENIENCE ENGINEERING" COVERS EVERY SMALL BUT VITAL DETAIL

"Convenience Engineering" is the *extra* thoroughness found only in Knight-Kits. It goes far beyond circuit design -it is special engineering that makes Knight-Kits easiest to build. It covers every step in assembly, from the time you first open the carton, all the way to your finished working model. Here is what exclusive "Convenience Engineering" means to you:



EXCLUSIVE "SHOW HOW" MANUALS

Never any guesswork, and no doubts with these clearly written booklets—they guide you through assembly of your kit like a good instructor working at your side. Loaded with illustrations too!



DIAGRAMS THAT "TALK"

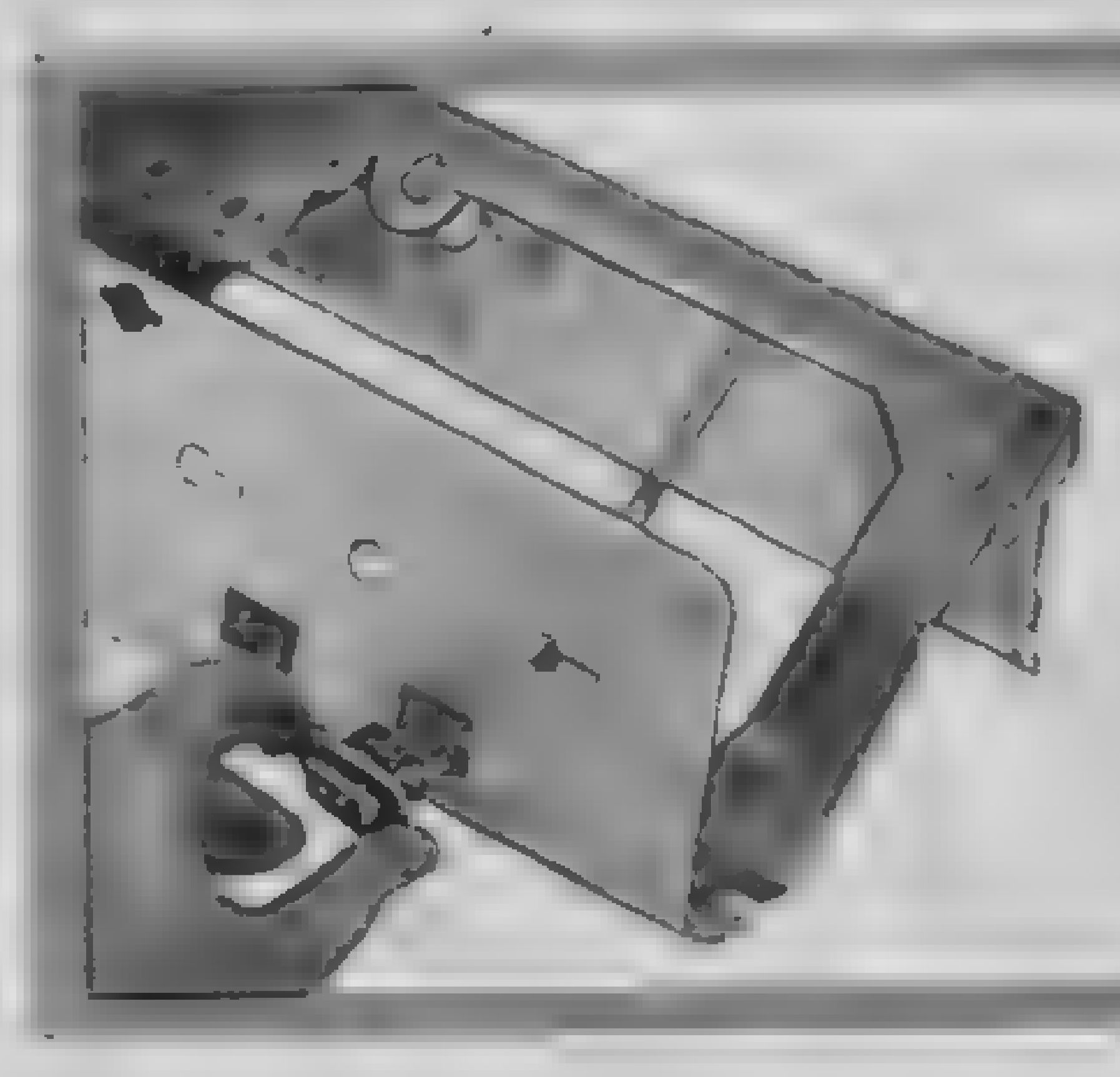
Wall-sized picture diagrams that can be tacked over your work table for ready reference—show you where every part goes.

"CAN'T MISS" INSTRUCTIC

You always know where you with these "do and check," step step instructions. They're the b

CARDED RESISTORS

Resistors—the most numerous single part in most kits—are neatly mounted on cards, each with identifying number clearly marked. No need to know the color-code.



PRE-PUNCHED CHASSIS

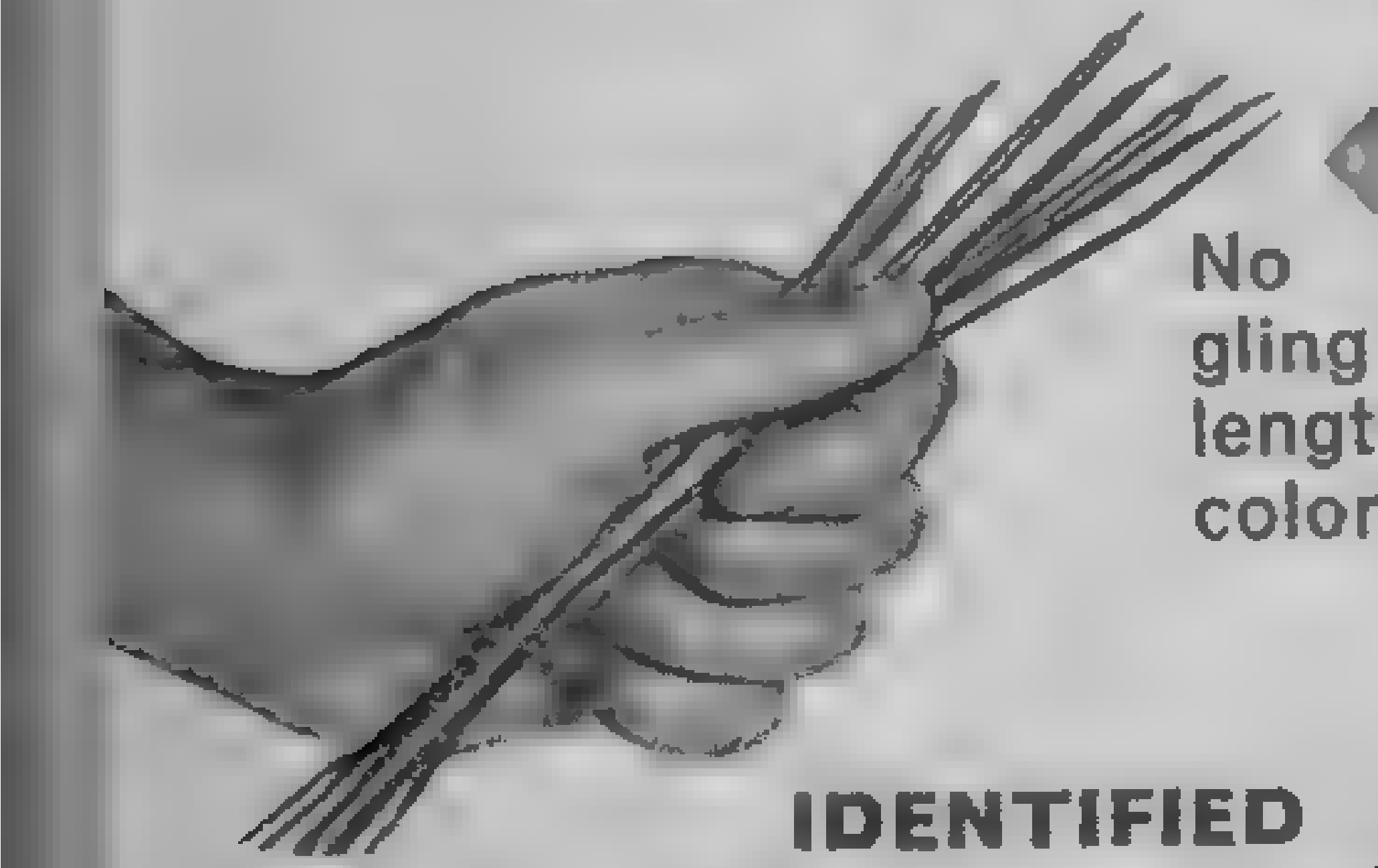
Heavily cadmium-plated, with all holes alread neatly punched out—sockets, controls, an other parts fit perfect into place. No meta working necessary!

"VISI-PACKED" PARTS

You'll appreciate this feature. You can see right through the clear plastic bags in which small parts and hardware are packed—eliminates searching.

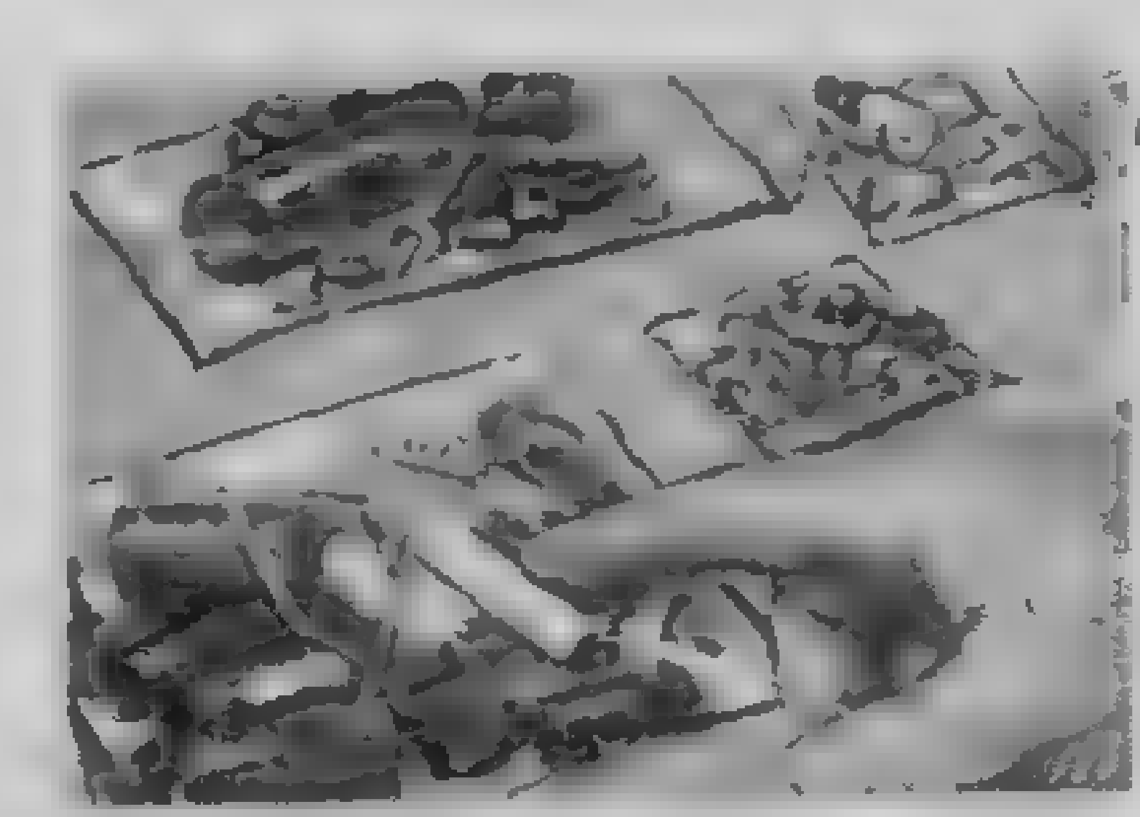
QUICK-SET SOLDER

Eutectic solder helps overcome "cold" solder connections by passing directly from a molten to a solid state.



PRE-CUT WIRE

No measuring—no untangling. Wire is pre-cut to correct lengths, stripped, tinned and color-coded to save you time.



"READY-SORTED" PA

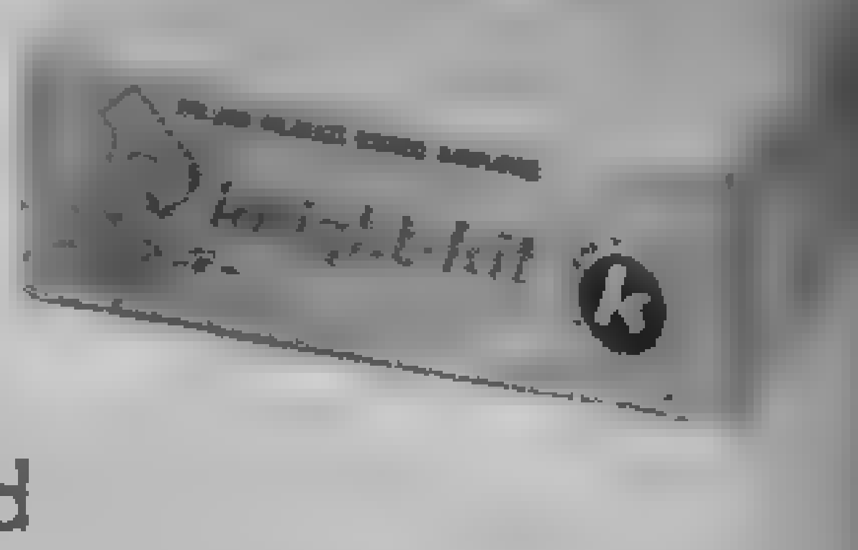
Groups of small parts hardware are in several c plastic bags—not in a si paper bag. No time-cons ing sorting to delay kit ass bly; everything is right at h

IDENTIFIED PARTS VALUES

Values are clearly marked on all capacitors; other parts and components are also marked for easy identification at a glance.

COMPLETE—READY TO ASSEMBLE

Knight-Kits come to you in perfect order, ready for easy assembly. There's nothing else to buy—not even solder!



There is an outstanding Knight-Kit for every electronic need

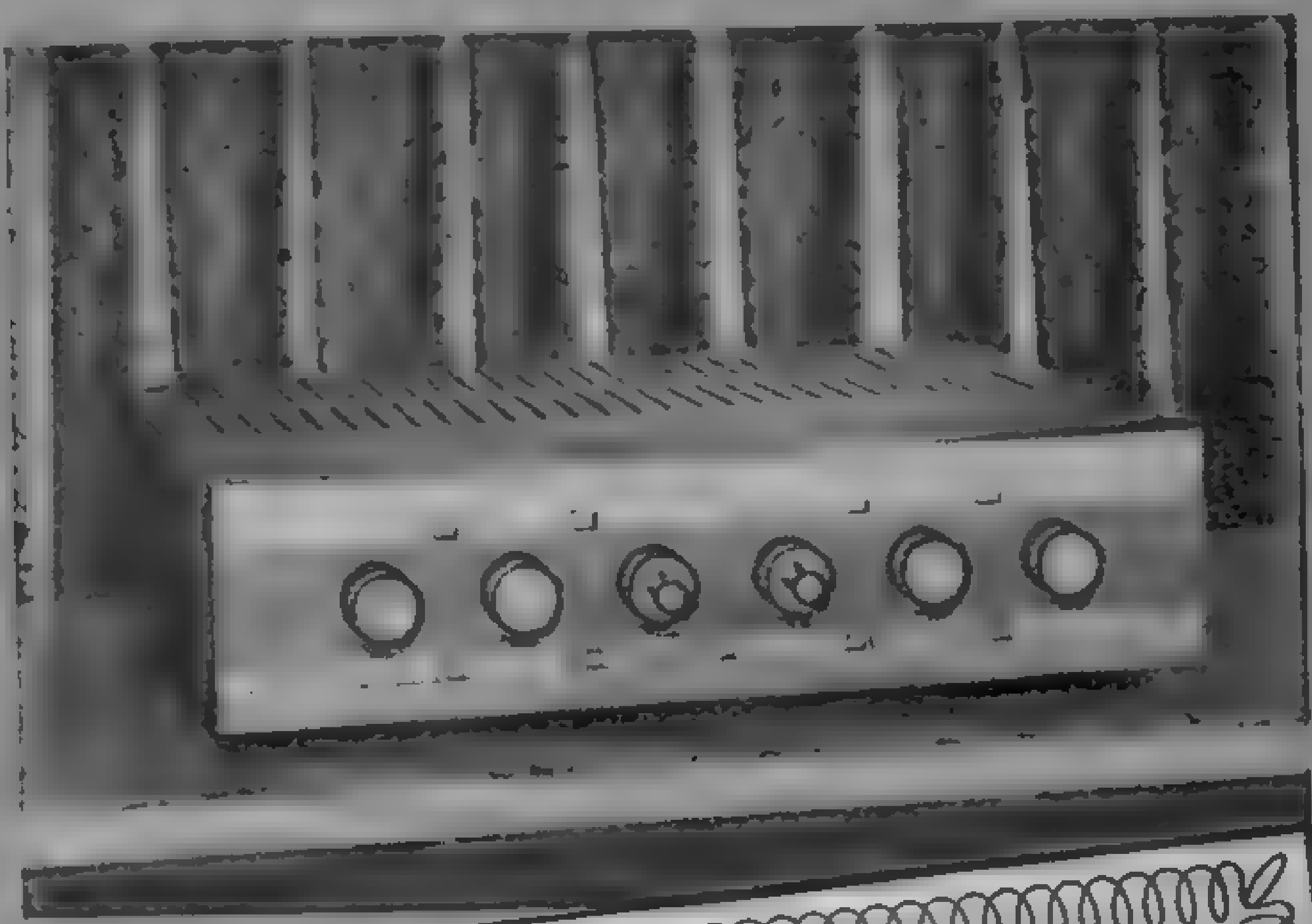
knight-kits are best —by design!

e same painstaking attention to detail at goes into the most costly finished units s regular procedure for every Knight-Kit. n addition, many extra features and re- nements add to their reputation for un- excelled value and quality.

Expert Engineering . . . Advanced Features

A staff of skilled specialists, with years of kit-development experience stands behind every Knight-Kit. Each kit is designed by these experts to provide unsurpassed circuit performance, and then thoroughly field-tested under actual operating conditions. Latest advancements in electronics are employed—including printed circuits, exclusive printed circuit switches, and plug-in modules—to make them easier to build and the best value for your money.

ality Control at every ge of development, and rough laboratory testing by ly trained technicians, is r assurance of flawless eration from your Knight- Rigid inspection stand- s are always maintained.



Professional Styling

Leading designers have developed Knight-Kits into components of lasting beauty. You'll be proud of your kit's appearance—it fits in any setting!

Premium-Quality, Famous-Name Parts

ou'll find the most enowned names in ectronics on Knight- t parts, many of which e custom-made to our gid specifications.

MONEY BACK GUARANTEE

Every Knight-Kit is unconditionally guaranteed to meet our published specifications for performance or your purchase price is refunded in full.

BUY ANY KNIGHT-KIT!
BUILD AND USE IT!
IT MUST PERFORM EXACTLY AS CLAIMED

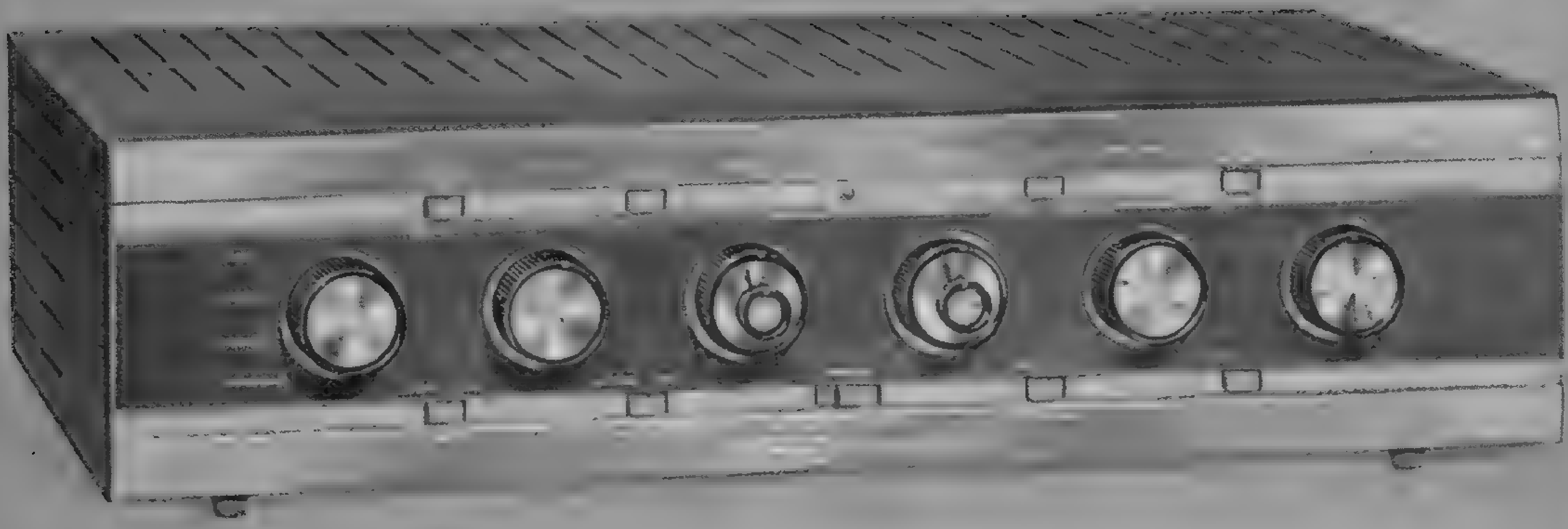
YOUR SATISFACTION IS GUARANTEED

Free Examination Privilege. You be the judge! Order any Knight-Kit. Examine it on arrival. Inspect the quality of components, the circuitry, the instruction manual. If you are not satisfied in every way, simply return it for full refund!

FREE CONSULTATION SERVICE

COMPLETE FACTORY CHECKING FACILITIES

Our staff of Knight-Kit technical consultants and completely equipped servicing facilities are at your command. If you have any questions about Knight-Kits, before you make a selection or after assembly of your kit is completed, we'll be glad to send you a prompt, detailed reply. You can also have your Knight-Kit expertly checked or serviced—charges are nominal. Allied *fully protects* your Knight-Kit purchase.



ONLY
$119.95
$5
DOWN

Super-Power 70-Watt Stereo Hi-Fi Amplifier Ki

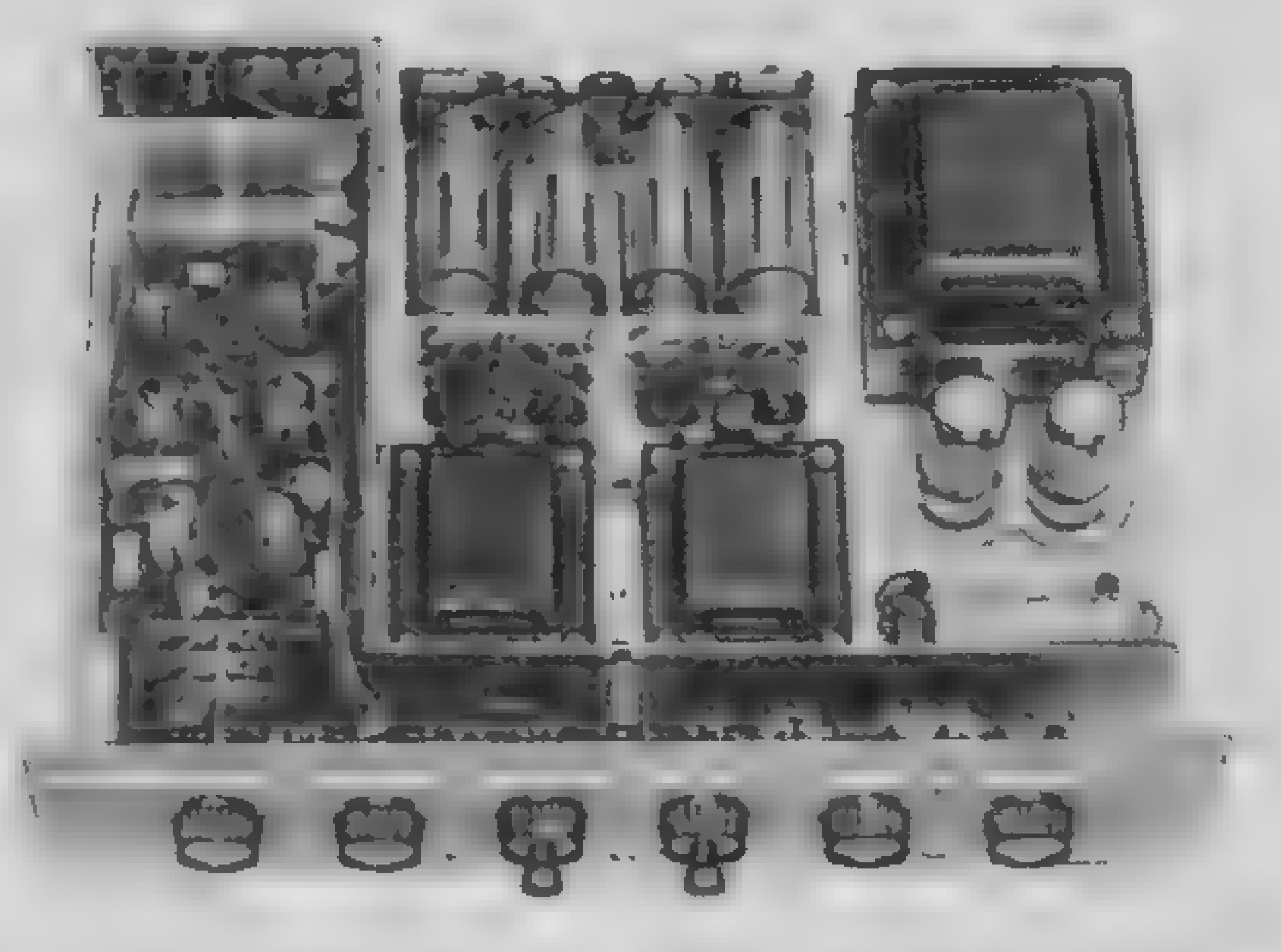
FEATURE-PACKED STEREO POWERHOUSE...TOPS FOR TODAY'S LOW-EFFICIENCY SPEAKER

Announcing a brilliantly engineered new addition to the renowned family of stereo high-fidelity Knight-Kits—the magnificent Knight-Kit 70-Watt Stereo Amplifier! Its feature-packed design incorporates every function necessary for maximum flexibility and finest performance in the reproduction of stereophonic sound. This mighty "70-watter" represents a truly outstanding value, too—since it's yours in remarkably easy-to-assemble, money saving Knight-Kit form.

Included in the highly flexible control stage is a special stereo "Blend" control. By gradually decreasing or increasing channel separation, this control electronically "moves" your speakers nearer together or further apart to provide optimum stereo effect. In addition, a special full-range "center channel" output is provided for adding a third stereo speaker and/or connecting monophonic extension speakers—without any need for additional mixing transformers, etc.

6 pairs of stereo inputs are included to accommodate all possible sources of sound. Clutch-type concentric bass and treble controls permit individual or simultaneous adjustment of channels for proper tonal response. A single-knob balance control lets you adjust for correct stereo channel balance—regardless of where you sit in relation to the speakers.

For tape recording fans, this powerful unit features tape outputs and inputs on each channel which function independently of volume and tone controls. A "Source-Tape" monitor switch on front panel permits comparison of recordings with input source. A separate switch provides equalization for 7½ or 3¾ ips tape speeds when playing tapes directly from playback head into "Tape Head" input of amplifier.



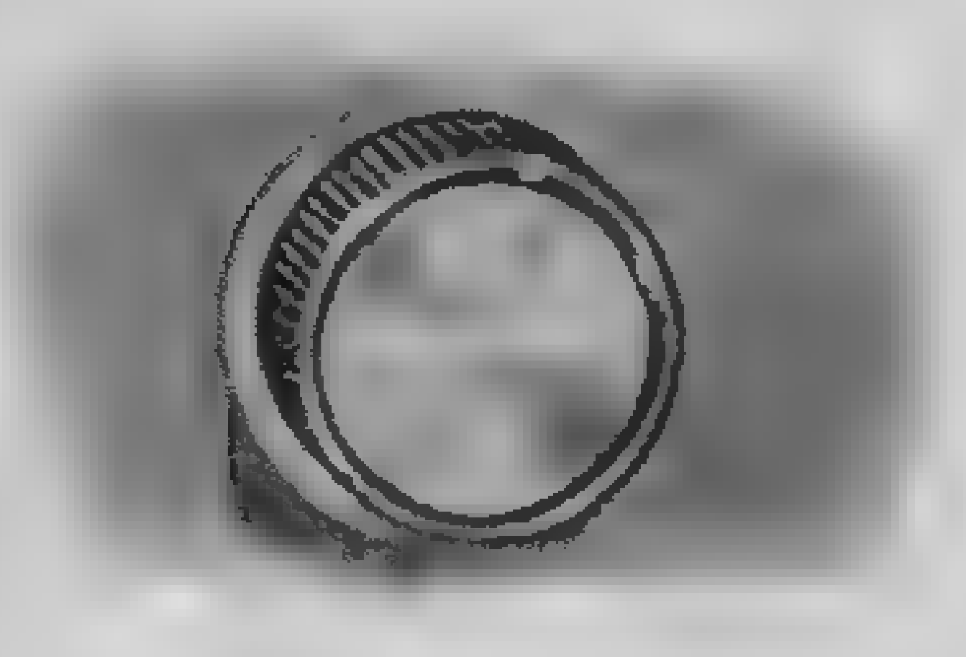
A DO-IT-YOURSELF STEREO MASTERPIECE

Expert design plus step-by-step instructions make this top performer fun to build—assure accurate assembly and years of dependable performance.

Other features include: input paralleling switch for pl
ing monophonic records from stereo cartridge—eli
nates vertical noise components from record; d
channel RC rumble filters; dual-channel RC scrat
filters; ganged master volume control with switch
convert to loudness control; separate tuner level s
controls for each channel; unusually high sensitivity
Phono and Tape Head inputs; DC on all preamp f
ments; low-noise resistors in critical parts of circ

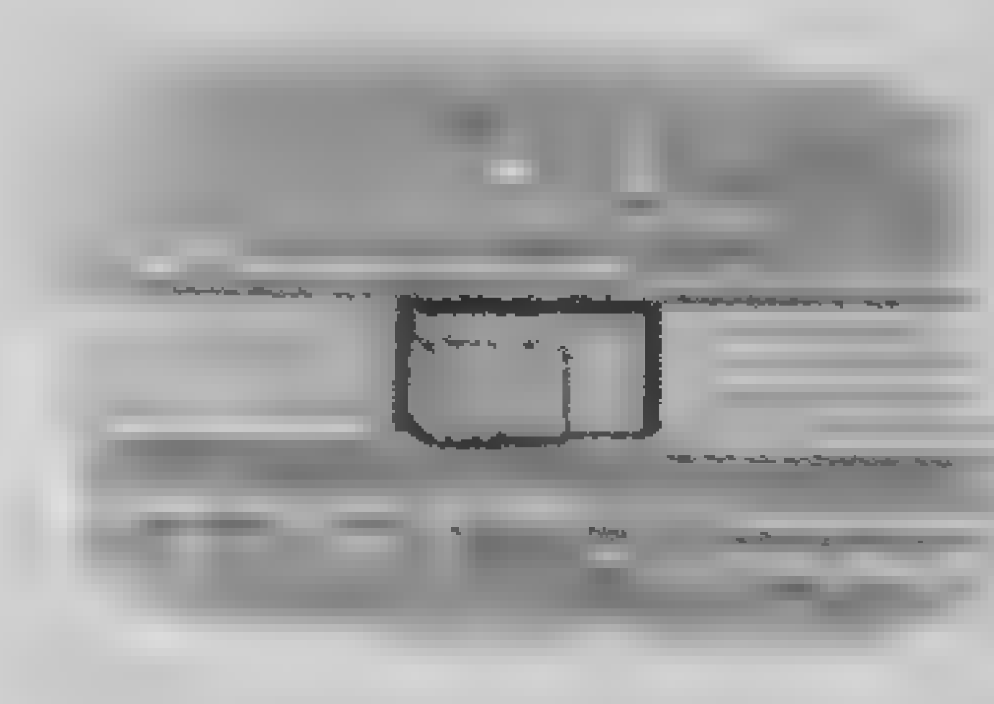
Handsome steel case, supplied, has Cordovan G
vinyl covering—¼" thick, extruded aluminum panel
Desert Beige and Sand Gold. Complete with wire a
solder. 4⅛ (plus ⅝" legs) x 17½x13¼". Knobs exte
1¼". For 105-125 v., 60 cycle AC. Shpg. wt., 31
83 YU 934. *$5 Down.* **ONLY** 119.9

UNBEATABLE VALUE! SUPERB DESIGN! PLUS FEATURES LIKE THESE:

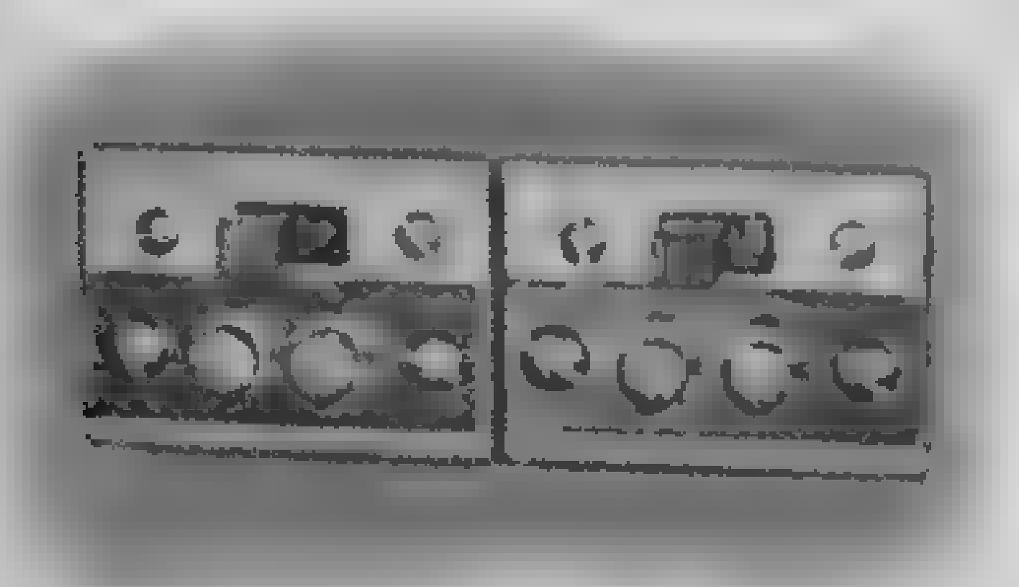


Special "Blend" Control. Increases or decreases channel separation for optimum stereo effect.

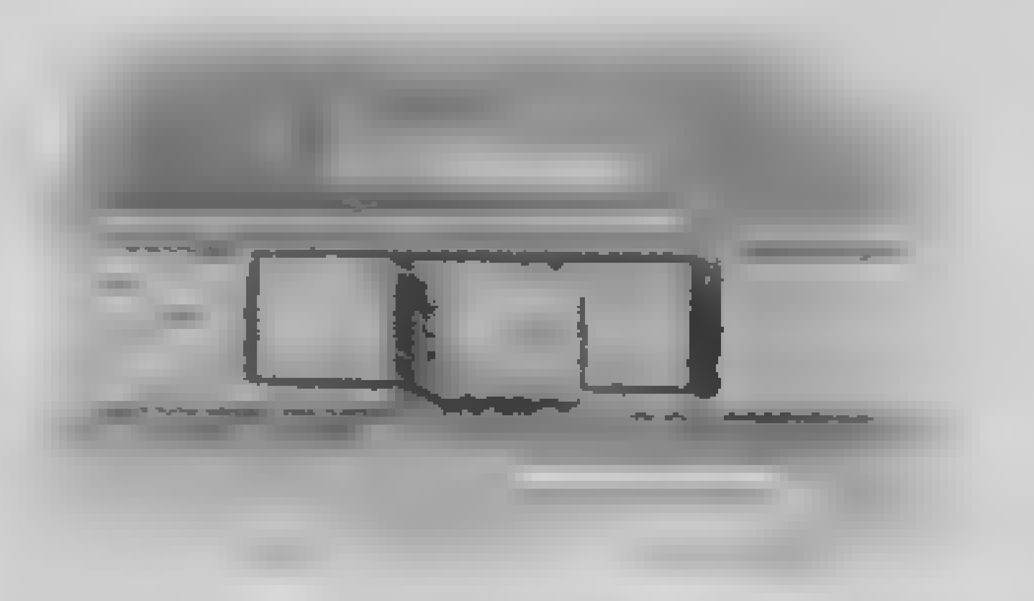
Full-Range Center Channel. Lets you add a "center" stereo speaker or monophonic extension speakers.



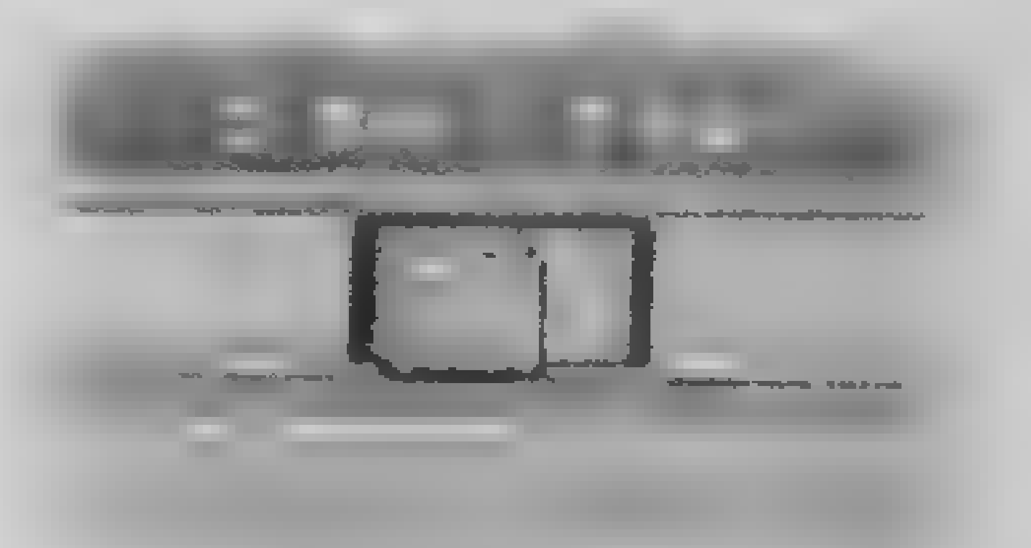
Tape-Source Monitor. Selects playback from tape head or sound source—you hear your tape while recording!



Two Phasing Switches. Permit phasing stereo channels to center channel as well as to each other.



Stereo Paralleling Switch. Cancels vertical noises when playing monophonic discs with stereo cartridge.



Tape Equalization. Switch permits equalizing for 7½ or 3¾ ips tapes when playing from tape head.

SPECIFICATIONS

Power Output: 70 watts (140 watts peak); 35 watts per channel.

Frequency Response: ±1 db, 20-30,000 cps at 35 watts per channel; ±1 db, 18-[illegible]000 cps at half-power.

Distortion: Harmonic, 0.5% at 35 watts ([illegible] kc reference signal); IM, less than 1.0% at 35 watts (60 cps and 4 kc mixed 4 to 1).

Hum and Noise: Better than —75 db below 35 watts for all high level inputs; better than —55 db below 35 watts for magnetic phono inputs; better than —45 db for tape head inputs.

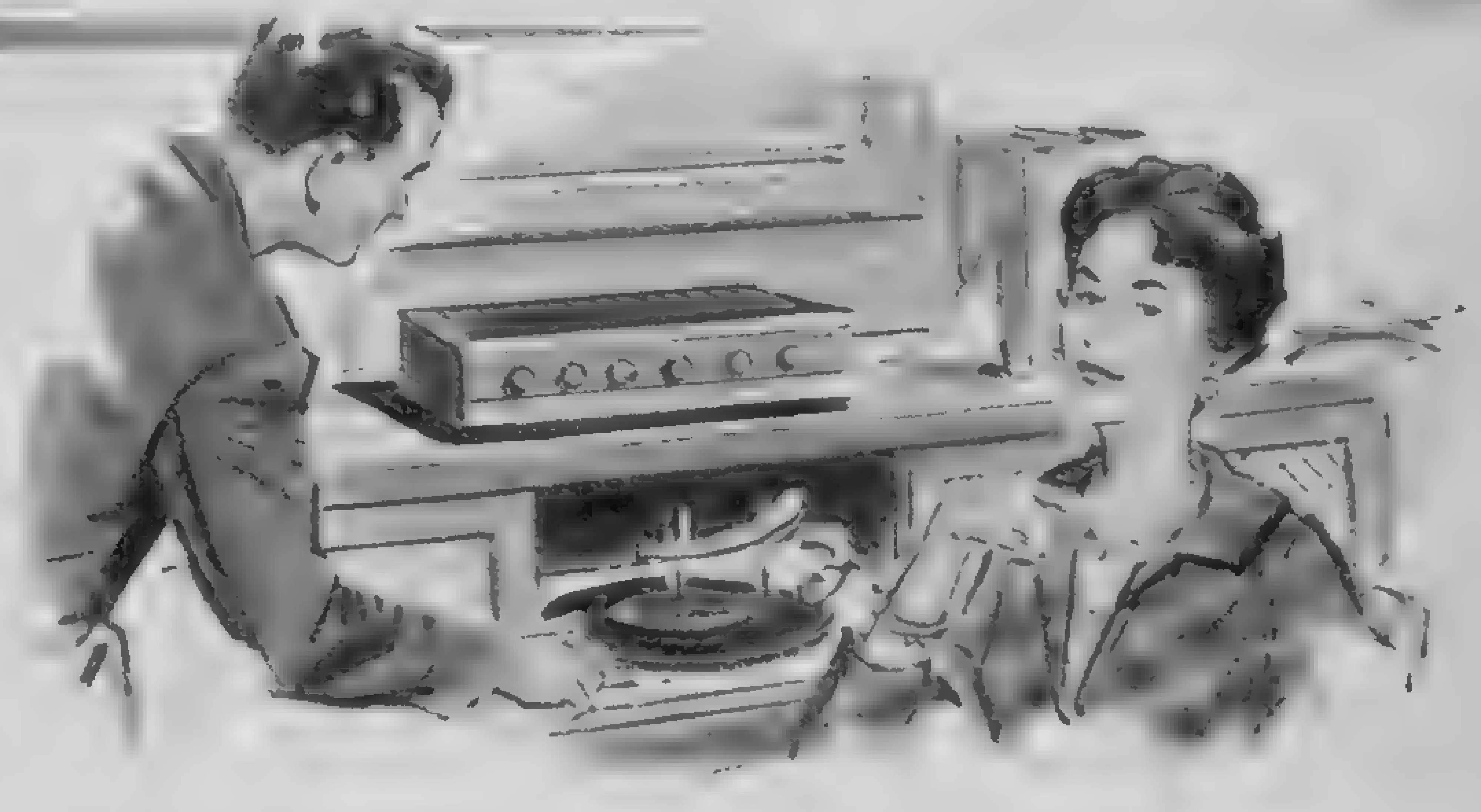
Inputs (6 pairs): Tape Head; Magnetic Phono; Ceramic Phono; Tuner (with separate level controls); Auxiliary; Tape.

Sensitivity: All high level inputs, 100 mv for full rated output; Magnetic phono, 1.7 mv, Tape Head 1.0 mv for full rated output.

Controls: Selector (Tape Head, Tuner, Phono, Aux); Blend; Bass (dual-concentric); Treble (dual-concentric); Balance; Volume; Rumble Filter Off-On; Scratch Filter Off-On; Tape Monitor (Source-Tape); Center Channel Off-On; Tape (3¾ and 7½ ips equalization); Stereo, Reverse/Monophonic L, Monophonic R; Parallel/Stereo/Monophonic L-R; Loudness Off-On; Power Off-On.

Impedances: 4, 8, and 16 ohms each channel; center channel, 8 or 16 ohms.

Tubes: 2—12AY7; 2—7025; 2—UF86; 2—ECC83/12AX7; 4—EL34; 2—GZ34 rectifiers.

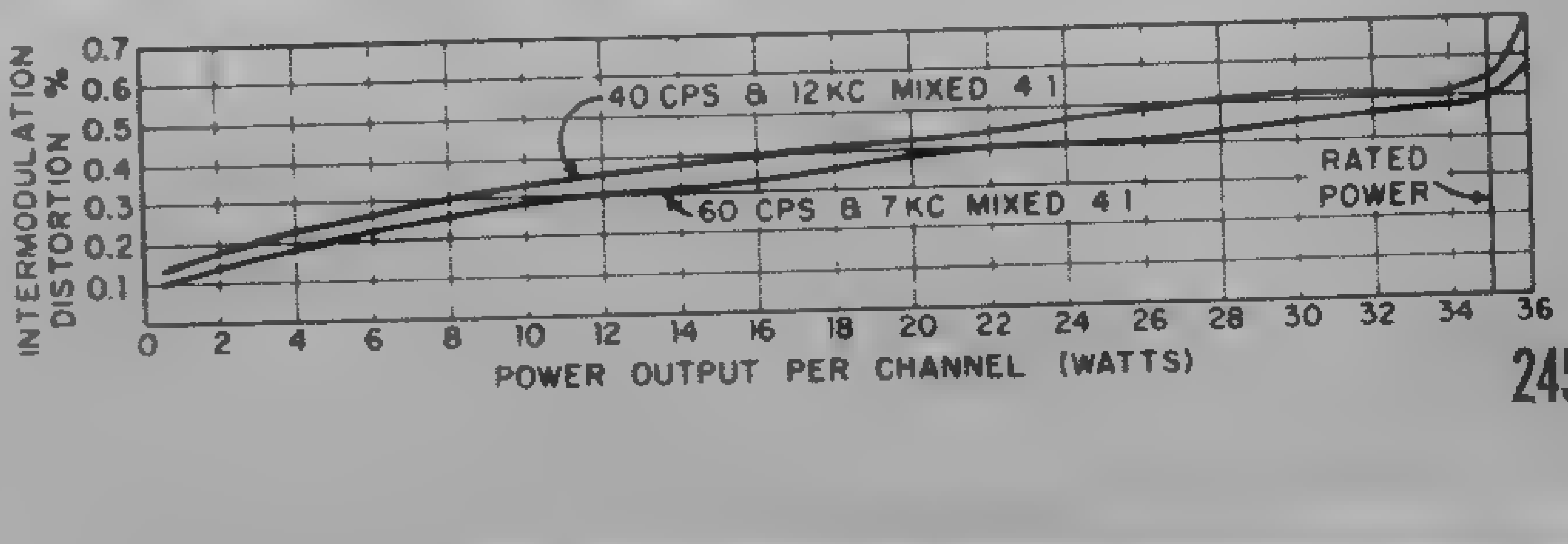


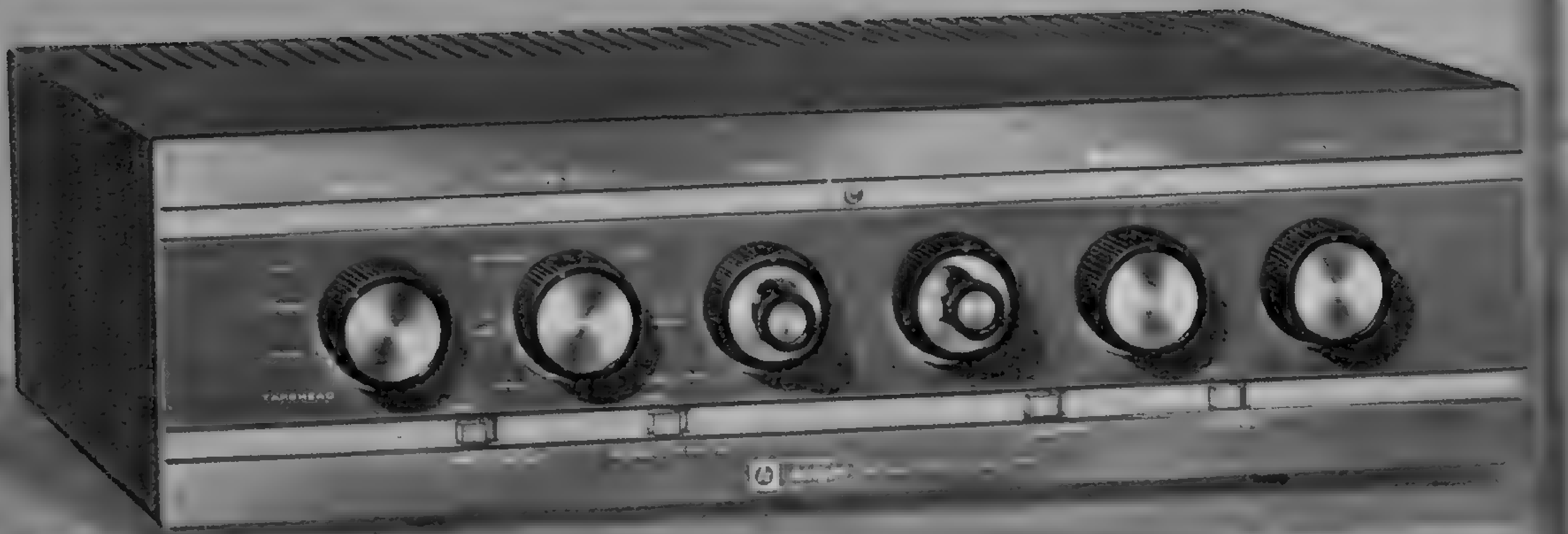
The Perfect "Heart" for a Super-Power Stereo Music System

Ideal as the basis for a top-quality stereo music system, this deluxe 70-watt stereo amplifier kit includes input provisions for every possible sound source. Its outstanding array of features provides professional-type control flexibility that's sure to please the most critical audiophile, tape recording fan, and quality-conscious music lover. Nothing's been overlooked! Additionally, through expert engineering, this high degree of flexibility has been combined with amazing simplicity of operation. Carefully planned panel markings indicate the function of each control at a glance—making it possible for anyone, whether technical-minded or not, to enjoy the remarkable performance of this fine stereo amplifier.

PROOF OF PERFORMANCE

This curve represents just one example of the superiority of the Knight-Kit 70-Watt Stereo Amplifier—compare before you buy!





ONLY
76^{95}

$5
DOWN

Custom-Quality 40-Watt Stereo Hi-Fi Amplifier

RENOWNED FOR PERFORMANCE AND STYLING . . . TRULY A LEADER IN ITS CLASS

For years-ahead features and outstanding performance—for styling of lasting beauty—the Knight-Kit Deluxe 40-Watt Stereo Amplifier Kit represents a superlative value. Remarkably easy to assemble, this expertly engineered amplifier will deliver 20 watts output per channel into each of two speaker systems for a full 40 watts of brilliant stereophonic sound. Includes two fully integrated, built in preamplifiers to accommodate any stereo or monophonic source.

Offering everything necessary for thrilling 2-channel stereo, this sensational unit incorporates an important "plus" feature—a specially designed center channel output. Unlike many center-channel arrangements, this expertly designed circuit is not an ordinary "sum-and-difference" arrangement—but actually a full-range output which carries the "sum" of both stereo channels. Permits feeding the full audio range to a center speaker when the two stereo speakers are widely spaced—also permits easy hook-up of extension speakers for remote listening in other rooms.

Dual-concentric clutch-type tone controls are employed to permit a high degree of flexibility in adjusting your stereo system for optimum tonal color. The special friction-clutch mounting of these controls permits setting either channel separately—or both simultaneously—for proper bass and treble response.

Other deluxe features include: five pairs of jacks for stereo inputs, including tape head; hum balance controls for each channel; stereo balance control; mode switch that selects regular stereo, reversed stereo, and permits playing either the left or right channel alone or through both speakers at once.

so easy to build . . .

Knight-Kits come to you complete and in perfect order, ready for the easy step-by-step assembly. There's nothing else to buy—not even wire or solder!

A special ground post is included to eliminate any h
producing ground loops. Has output jacks for stereo t
recording; RCA 6973 special hi-fi audio output tub
rumble and scratch filters; heavy, extruded alumin
front panel; compensated loudness-volume control.

With the world-famous Knight-Kit step by-step instr
tions and giant-sized pictorial diagrams, you'll f
this top-performing amplifier fun to build—even if y
have no previous electronic experience. Beautif
styled metal cabinet is finished in attractive Cordo
Gray vinyl; front panel is Desert Beige and Sand G
extruded aluminum. Ideal companion for the Knight-
Deluxe Stereo Tuner Kit listed in this section.

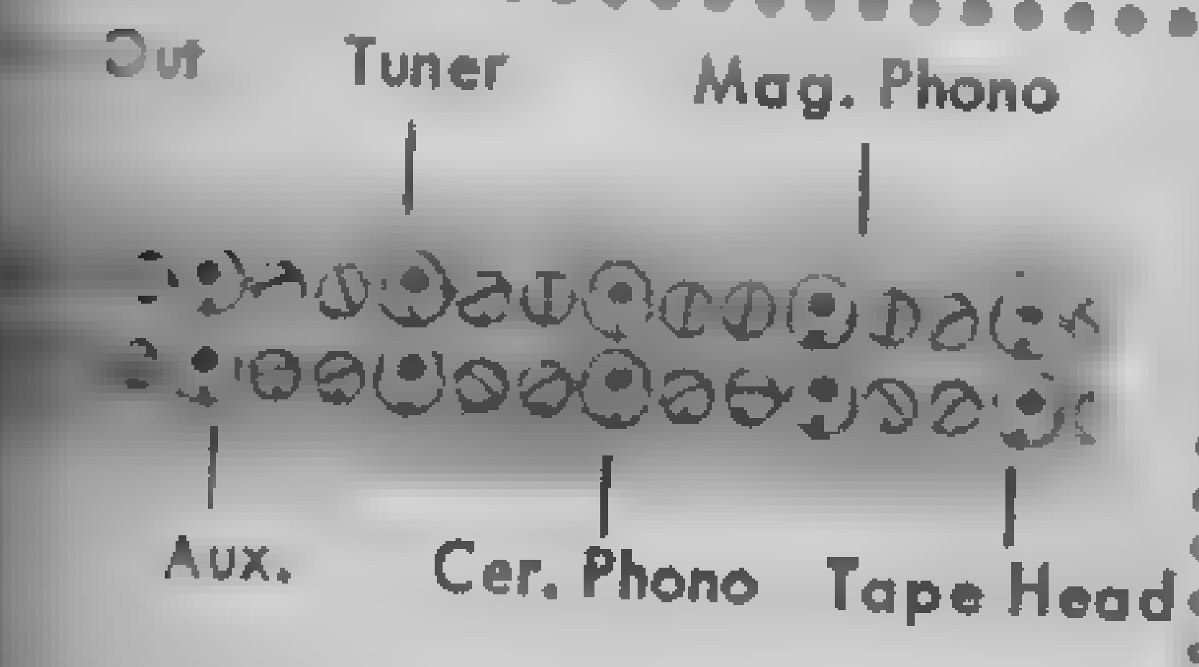
Complete with cabinet, wire and solder, all parts
hardware, and detailed instructions. 4⅛" (plus ⅝"
x 15½ x 11⅛". Knobs extend 1¼". For 105-125 v
60 cycle AC. Shpg. wt., 26 lbs.
83 YU 774. *$5 Down.* ONLY.................. 76.

Knight-Kits Are Famous for Their Easy-to-Follow Instructions

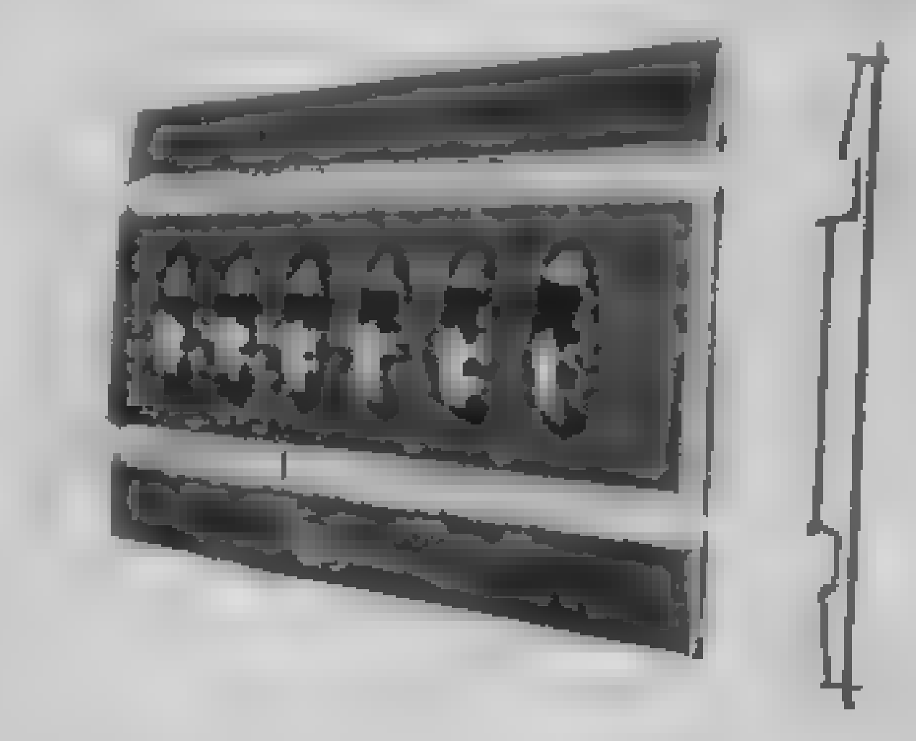
CUSTOM FEATURES—HIGHEST QUALITY

Full-Range Center Channel Output. Permits adding "center channel" speaker to stereo system and/or remote extension speakers to handle both channels monophonically.

Printed Circuit Switches and "PAC's." Printed circuit switches and "PAC" resistor-and-capacitor units insure fast, remarkably easy assembly.



Amazing Versatility. 5 pairs of stereo inputs including direct "Tape Head" input—plus stereo tape recorder outputs—provide complete flexibil-



Extruded-Aluminum Front Panel. Deluxe styling includes extra-heavy, solid extruded-aluminum front panel—actually ¼" thick.

SPECIFICATIONS

ed Power: 40 watts, (80 watts peak); atts per channel.

equency Response: ±1 db, 15-35,000 at 10 watts; ±1 db, 10-50,000 cps at atts.

tortion: Harmonic less than 0.75% at att output per channel; IM, less than at 20 watts per channel.

m and Noise: Tuner input —70 db; netic phono input, —55 db.

ts (5 pairs): Tape Head (NAB), Mag- Phono, Ceramic Phono, Tuner and ary.

sitivity: Tape Head, 2.2 mv; Mag- Phono, 2.2 mv; Ceramic Phono, 300 Tuner, 300 mv; and Auxiliary, 700 mv.

trols: Selector (Tape Head, Mag- or Ceramic Phono, Tuner, Aux.); (Stereo, Stereo Reverse, Left Chan- Right Channel, Left or Right Chan- to both outputs); Bass; Treble; Bal- Level; Rumble Filter Off-On; Scratch Off-On; Loudness Off-On; Power On.

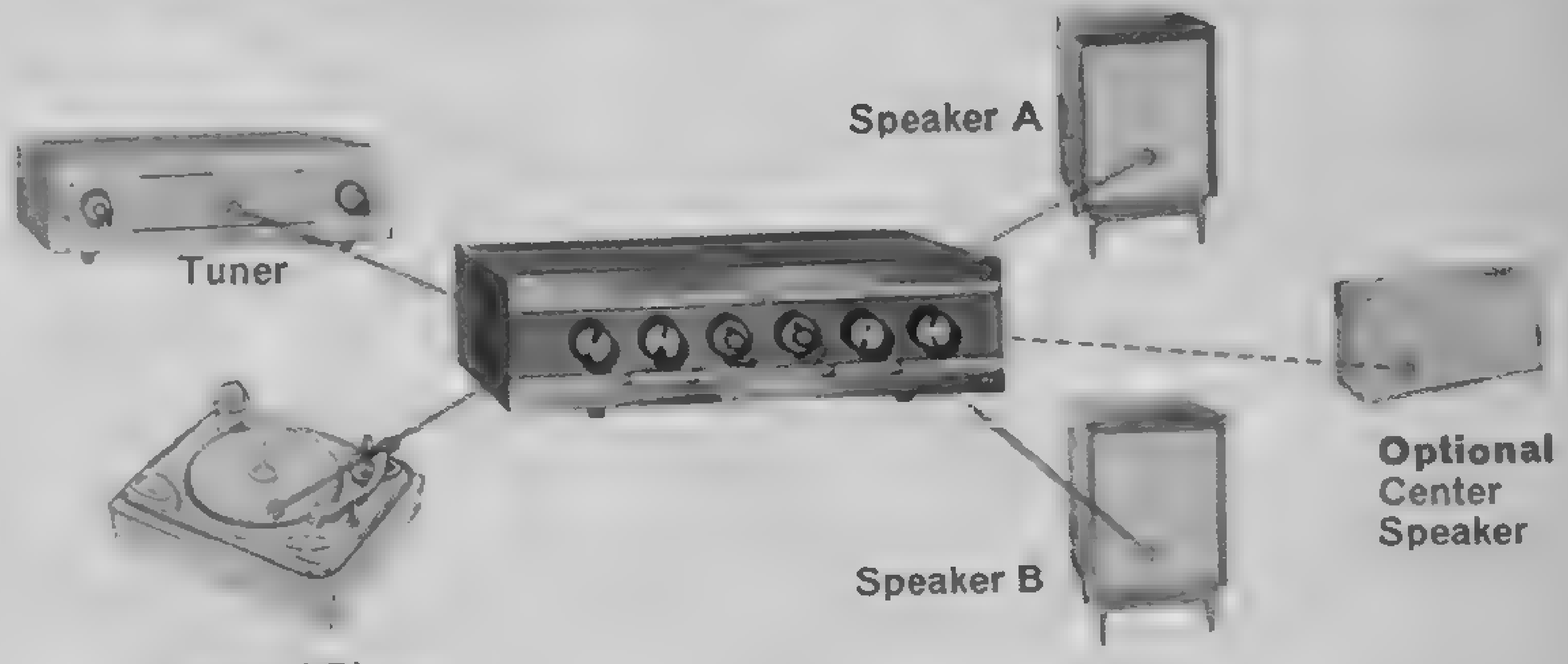
edback: 38 db of negative feedback each channel.

pedances: 4, 8 and 16 ohms right and channels; center channel output may connected for 8 or 16 ohms.

sstalk Between Channels: Better 40 db down on all inputs.

bes: 4—12AX7; 2—6CM8; 4—6973; rectifier.

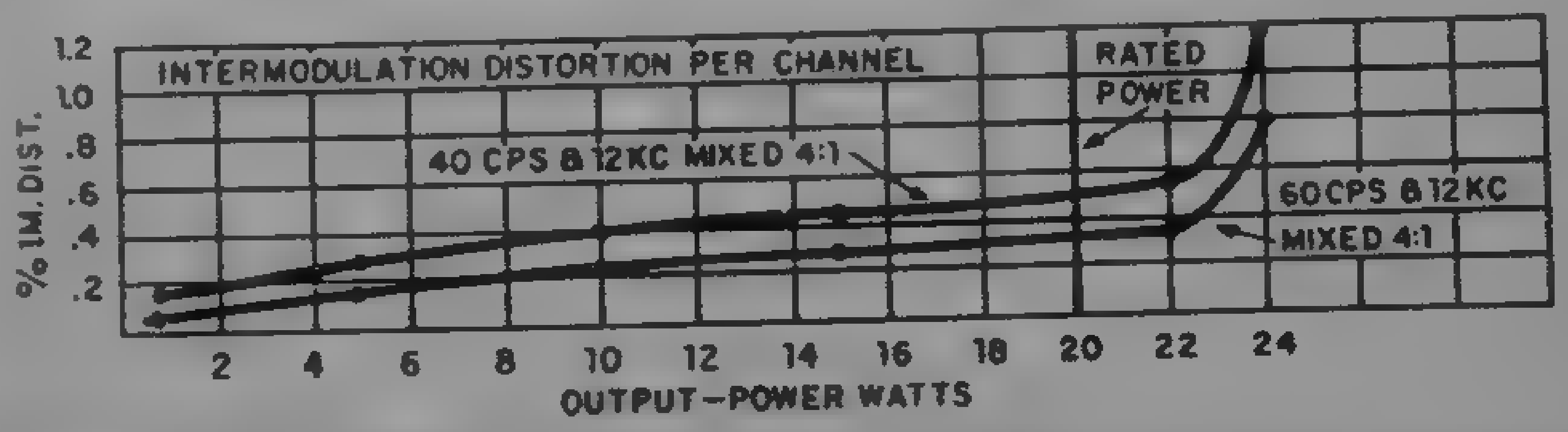
The Ideal "Heart" for a Stereo System



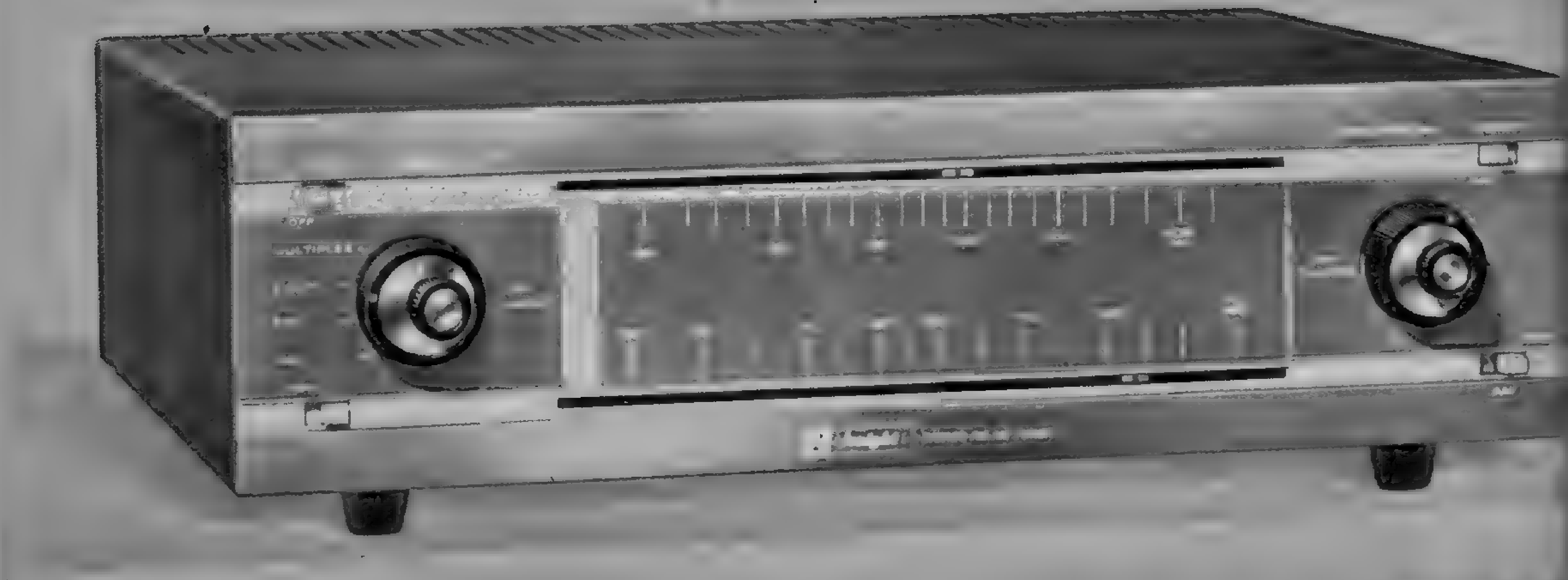
The ideal "centerpiece" for any high-quality stereo music system, the Knight-Kit 40-Watt Stereo Amplifier has input facilities for every conceivable sound source. In addition, it's fully equipped with outputs for stereo tape recording. Auxiliary, ready-to-use full-range speaker output terminals permit connecting optional "center-channel" stereo speaker, if desired—also may be used to operate remote speakers which handle both channels monophonically.

PROOF OF PERFORMANCE

This curve clearly illustrates the superiority of the Deluxe 40-Watt Stereo Hi-Fi Amplifier Kit—compare for quality before you buy.



knight-kit
STEREO HI-FI



ONLY
$87.50
$5
DOWN

Incomparable Stereo Hi-Fi FM-AM Tuner Kit

SUPERIOR PERFORMANCE . . . AMAZING DSR CIRCUIT . . . FINEST TUNER VALUE ANYWHE

Dynamic Sideband Regulation reduces distortion to insignificant levels	Separate FM and AM sections—plus provision for building in Multiplex adapter	Pre-aligned RF coils and IF transformers—no further adjustments necessary	Continuously variable AFC for precise control over "pull-in" power

Famous for its versatility and quality, this magnificently styled stereo tuner kit represents a distinguished example of far-sighted engineering. Featuring Dynamic Sideband Regulation—an Allied-pioneered advance in tuner circuitry—this superb unit sets new standards in distortion-free FM reception. Unquestionably one of the most noteworthy developments in tuner circuitry, DSR provides a form of corrective inverse feedback that reduces to insignificance both overmodulation distortion and distortion resulting from fringe-area signal weakness.

Separate FM and AM sections provide high flexibility—you can tune each separately, or both at once for FM-AM stereo broadcasts. Also included is a provision for building in a Multiplex adapter—no need for an external unit in order to receive stereo programs under the forthcoming Multiplex system!

FM Section: Dual limiter-discriminator circuit for extremely sensitive reception—2½ microvolts; continuously variable AFC that permits adjusting the "pull-in" power—lets you tune weak stations that are adjacent to strong ones, etc.; pre-aligned RF coils and IF transformers; separate, moving bar-type "magic eye" tuning indicator; weighted flywheel tuning; etc.

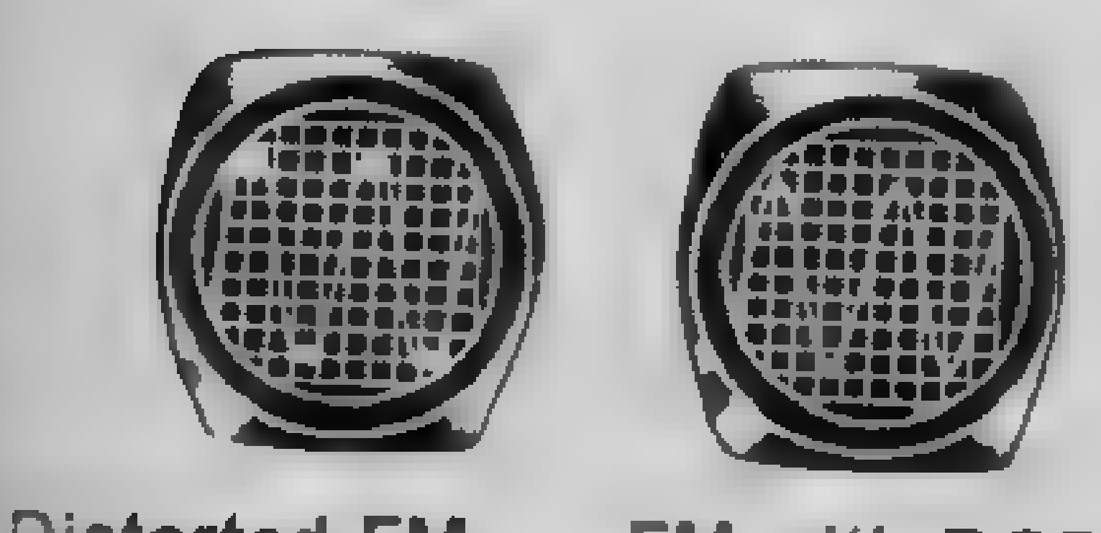
AM Section: Latest, highly efficient circuitry with excellent sensitivity—see specifications on next page; narrow and wide IF bandwidth for sharp or broad tuning—a custom feature; separate, moving bar-type "magic-eye" tuning indicator; weighted flywheel tuning; 10-kc whistle filter; built-in loopstick antenna, with connections for external antenna; etc.

General Features. All circuitry is on printed cir
boards for fastest, easiest assembly. Since alignm
is a critical factor in the reception quality of all tun
the Knight-Kit Deluxe Tuner features IF transforn
that are carefully sweep-aligned at the factory—
extremely accurate procedure. Includes Multi
adapter jack, and separate FM and AM cath
follower outputs with level set controls.

Styling matches Knight-Kit 40-Watt and 70-W
Stereo Amplifiers, Stereo Preamp and Tape Recor
Preamp. Supplied with Cordovan Gray, vinyl-cove
steel case—extruded aluminum panel in Desert B
and Sand Gold. **With FM and AM sections,** all parts, w
solder, instructions. 4⅛(plus ⅝" legs)x15½x15". Kn
extend 1¼". For operation from 105-125 volts, 60 c
AC. Shpg. wt., 25 lbs.
83 YU 731. *$5 Down.* **ONLY**..................**87.5**

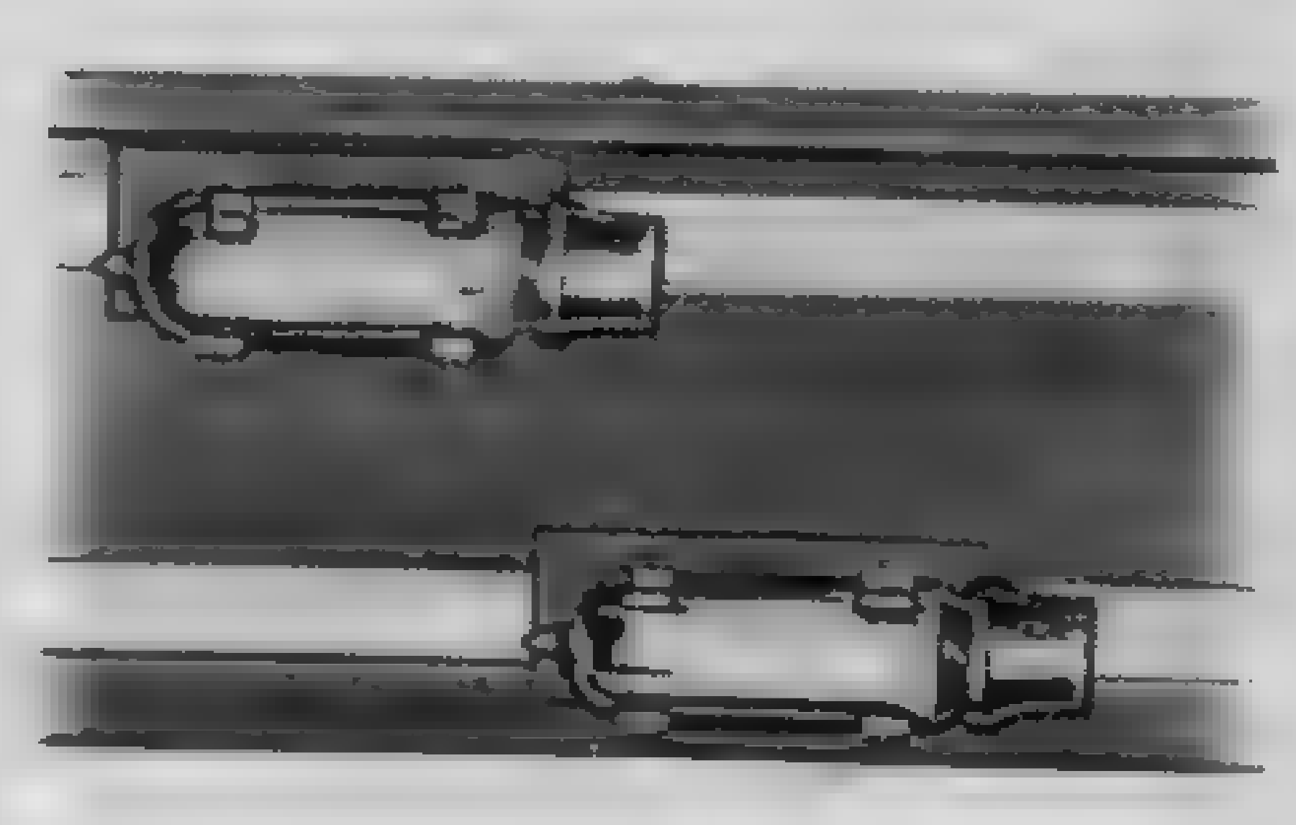
YEARS-AHEAD FEATURES . . . EASY TO BUILD . . . TREMENDOUS SAVINGS!

With Remarkable DYNAMIC SIDEBAND REGULATION

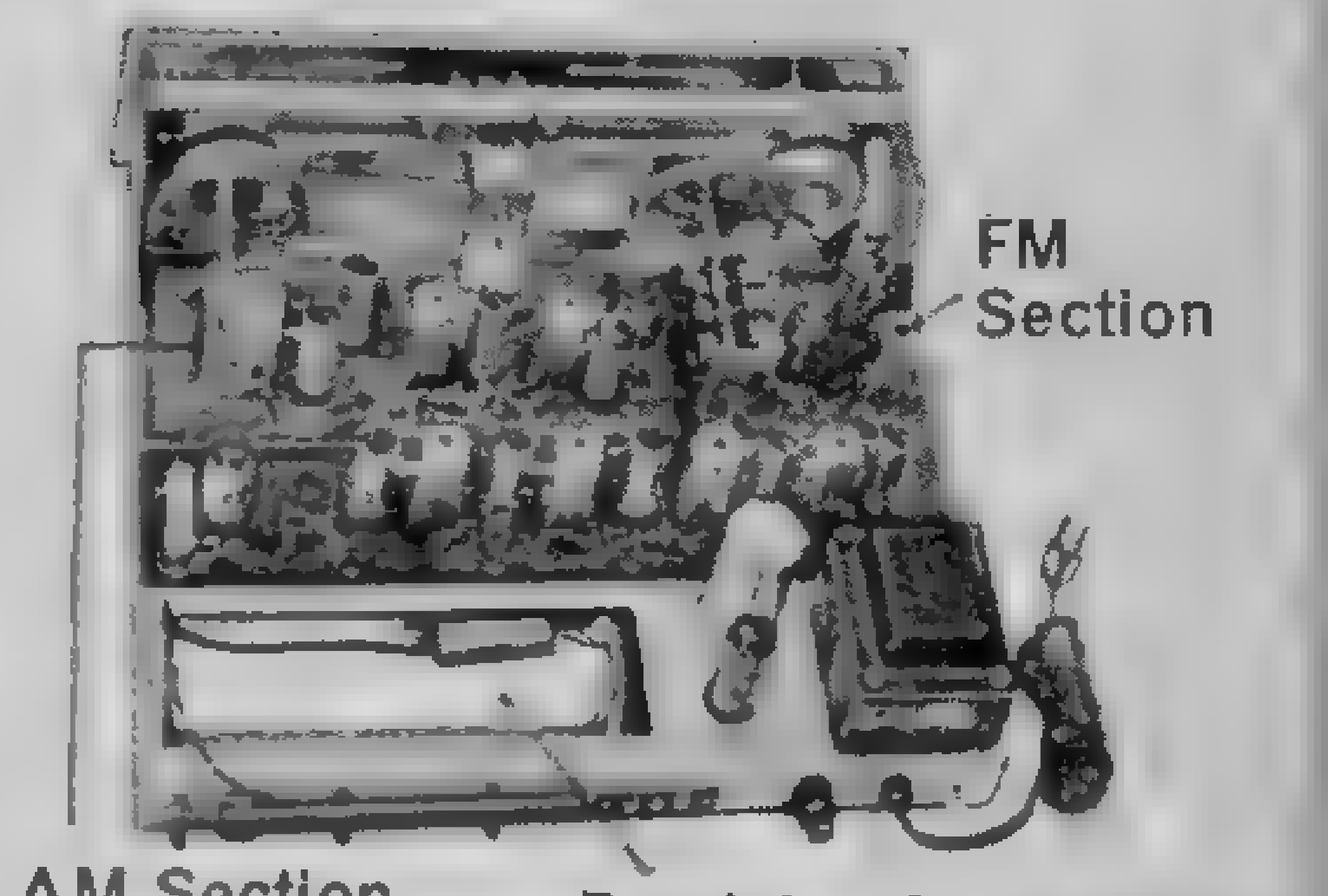

Distorted FM   FM with DSR

Offering the same advantages that inverse feedback provides to amplifiers, DSR produces the equivalent of wider IF and discriminator bandwidth—virtually eliminates the distortion problems in receiving weak signals and signals that are overmodulated by the FM station. Switch operated, you can easily demonstrate the difference DSR can make in the quality of *your* FM reception.

Unique New "MAGIC EYE" TUNING

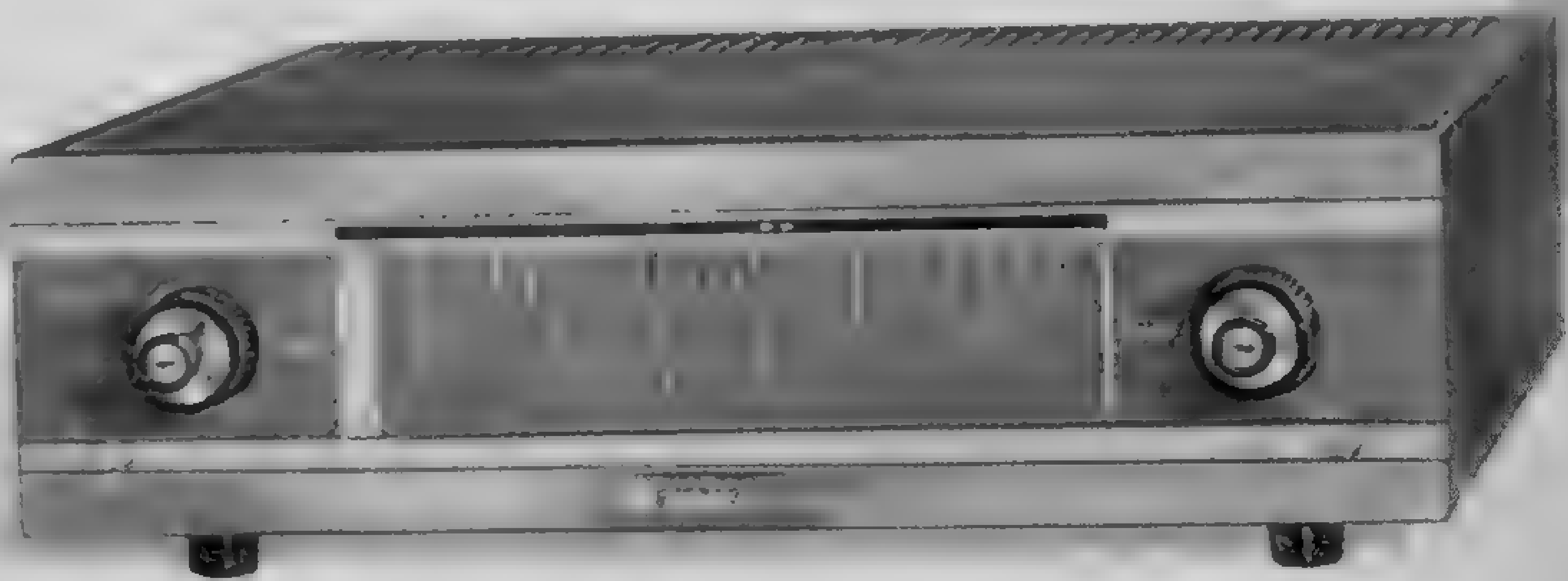


For pin-point tuning accuracy, premium-quality "magic eye" tubes are employed. A moving beam of light glides up and down the dial—closes to a narrow slit when you're precisely on the station. You'll tune right "on the head" every time.



OBSOLESCENCE PROOF

A Knight-Kit first—a deluxe stereo tuner kit divided into three separate sections. Allows you to purchase the FM section only, and add other stages at your convenience.



SPECIFICATIONS

FM Section

Sensitivity: 2½ microvolts for 20 db of quieting.

IF Bandwidth: 200 kc at 50% Down.

Hum & IF Noise: 60 db below 1 v.

AFC Pull-In: ± 150 kc, variable.

Image Rejection: 60 db.

Antenna Impedance: 300 ohms.

AM Section

Sensitivity: 3 microvolts for 10 db signal-to-noise ratio.

Hum Level: 60 db below 1 volt.

10-Kc Whistle Filter: 40 db rejection.

Image Rejection: 20 db.

Frequency Response: Narrow IF—20-7,000 cps, 6 db down at 3.5 kc; Wide—20-10,000 cps, 6 db at 6.5 kc.

Tubes: 4—6BA6, 2—6AU6, 2—12AU7, 6BE6, 6AW8, 12AT7, 6AL5, 2—EM84 "magic eyes"; EZ81 rectifier.

"ADD-IN" MULTIPLEX

A standard system of "Multiplex"—a method of broadcasting both channels of a stereo program on a single FM station—is still to be selected by the Federal Communications Commission. As soon as this Multiplex system is approved, Allied will offer an adapter—in kit form—that will *build-into* either of these deluxe, obsolescence-proof Knight-Kit tuners.

Deluxe High-Fidelity FM Tuner Kit

ONLY
$67^{50}
. . . .
$5
DOWN

FEATURE FOR FEATURE—THE BEST IN VALUE

Obsolescence-Free Design—

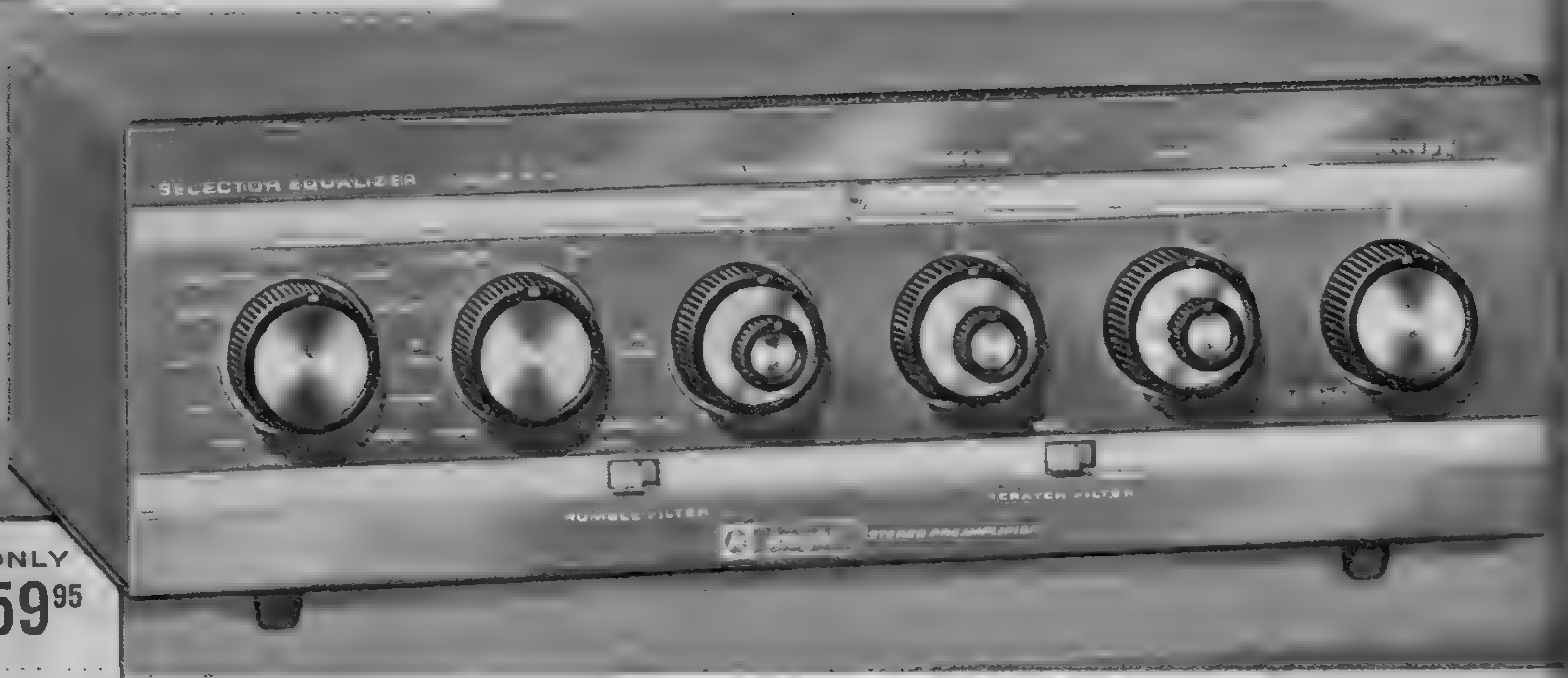
Completely obsolescence free in design! You can actually *build-in* AM section, Multiplex adapter (when available), or both, at your convenience.

Low in cost—tops in quality—handsomely styled to complement any decorative scheme. You simply cannot find a finer tuner value anywhere.

For the quality-conscious, budget-minded music lover—a deluxe FM tuner that's definitely "in a class by itself." Here's the very same feature-packed tuner kit illustrated on the opposite page—but simply minus the AM section. AM section, below, may be added any time you wish—the perfect arrangement for anyone interested primarily in FM now, but who may want to incorporate AM later on! Also incorporates provisions for building-in a complete Multiplex adapter (see below, left).

Deluxe features of this superlative FM tuner include: amazing DSR circuit for distortion-free reception; continuously variable AFC; "magic eye" bar-type tuning indicator; cathode-follower output; and all the excellent specifications listed in column at left under "FM Section". Unit is supplied with the same handsome case and extruded aluminum panel as FM-AM tuner kit on opposite page, but has FM dial calibrations only. If you decide to add AM section later on, a substitute FM-AM panel is supplied with AM "add-in" kit, below. 4⅛(plus ⅝" legs)x15½x15". Knobs extend 1¼". For 105-125 v., 60 cycle AC. Shpg. wt., 22½ lbs.
83 YU 732. *$5 Down.* **ONLY**..67.50

"ADD-IN" AM SECTION. For use with FM tuner kit, above. Converts unit to same deluxe FM-AM tuner kit shown on opposite page. Includes all necessary components, wire and solder, and replacement escutcheon with FM and AM calibrations. Shpg. wt., 3 lbs.
83 Y 733. *$2 Down.* **ONLY**..22.50



ONLY
59^{95}

$5
DOWN

Incomparable Deluxe Stereo Preamplifier Kit

OUTSTANDING VERSATILITY...FINEST QUALITY COMPONENTS...EASY TO PUT TOGETHER

Conveniently Compact—Fits Easily on Standard 8" Bookshelves

DC on Filaments Reduces Hum and Noise to the Vanishing Point

Loudness Control Maintains Tonal Balance at any Listening Level

Here, in easy-to-build kit form, is one of the finest preamplifiers available today. This versatile, integrated control center is an outstanding example of advanced engineering techniques. Incorporates every desirable feature for stereo as well as monophonic reproduction—yet is offered at far less than the cost of comparable factory-wired units. In addition to the exceptional quality of its circuitry, styling is smart and modern, and the easy assembly is typical of the simplicity for which Knight-Kits are world-famous. Provisions have been made for every source of sound—simply flick a switch to choose any desired program source. Any type of stereo or monophonic operation is at the listener's fingertips—including reversed stereo channels and either channel through either or both outputs for monophonic use. Never any need to interchange cables. In addition, 6 equalization positions for monophonic records are incorporated to prevent obsolescence of existing collections of older LP's.

Special dual-concentric, clutch-type controls are utilized for the adjustment of bass, treble, and level. The volume and tonal quality of each channel may be regulated separately or simultaneously. Utilizes low-noise, premium-type 12AY7 tubes in the input stages, DC on all filaments, shielded power supply, etc., to minimize hum and noise. Also contributing to its top-quality performance are: dual-ganged, continuously-variable loudness controls; special, LC-type scratch filter; rumble filter; cathode-follower outputs to match any basic amplifier; separate tape recorder outputs; and 2—AC convenience outlets. Heavy steel, vinyl-covered cabinet is styled in attractive Cordovan Gray—¼" thick extruded aluminum panel in harmonizing Desert Beige and Sand Gold. Assembly is truly a marvel of simplicity. Complete with wire and solder; step-by-step instructions. 4⅛ (plus ⅝" legs)x13¼x7¾". Knobs extend 1¼". For operation from 110-125 volts, 60 cycle AC. Shpg. wt., 14 lbs.

83 YX 768. *$5 Down.* ONLY.......................................59.95

SPECIFICATIONS

Frequency Response: ±½ db, 7-120,000 cps through tuner input; ±½ db, 10-80,000 cps through microphone input (1-volt output).

Harmonic Distortion: Less than .25% from 20-20,000 cps at 1 volt.

IM: Less than 0.7% at 1-volt output.

Hum and Noise: —80 db at 1 v. (Tuner input).

Stereo Inputs (Five Pairs): Magnetic Phono (RIAA), Ceramic Phono (RIAA), Tape Head (NAB), Tuner (Flat), Auxiliary (Flat).

Monophonic Inputs: G.E., Pickering, and Ceramic Phono (choice of RIAA, FFRR, Eur, 250-cps, NAB, or AES); Microphone (Flat).

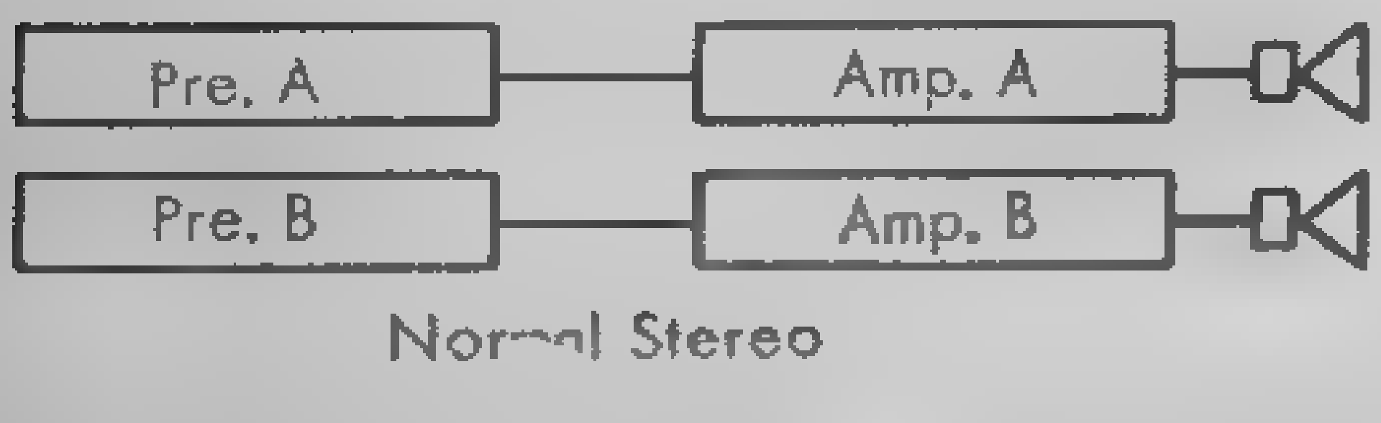
Input Sensitivity for 1-Volt Output Per Channel: Tape Head and Magnetic Phono (2.5 mv), Ceramic Phono (70 mv), Tuner (150 mv), Auxiliary (500 mv).

Bass Controls: Boost or attenuate 15 db at 20 cps.

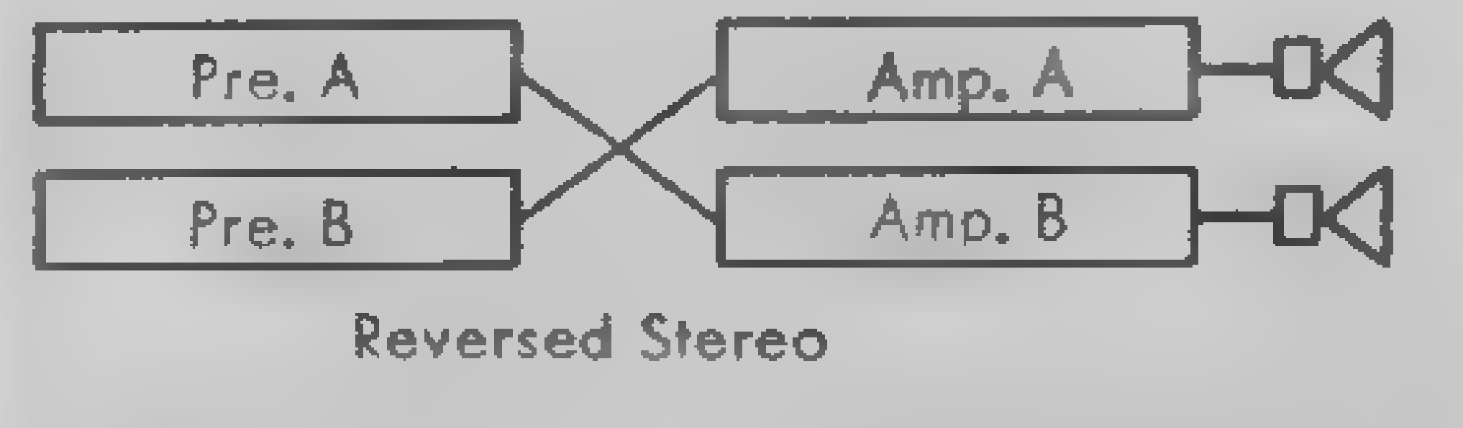
Treble Controls: Boost or attenuate 15 db at 20,000 cps.

Crosstalk Between Channels: —45 db or better.

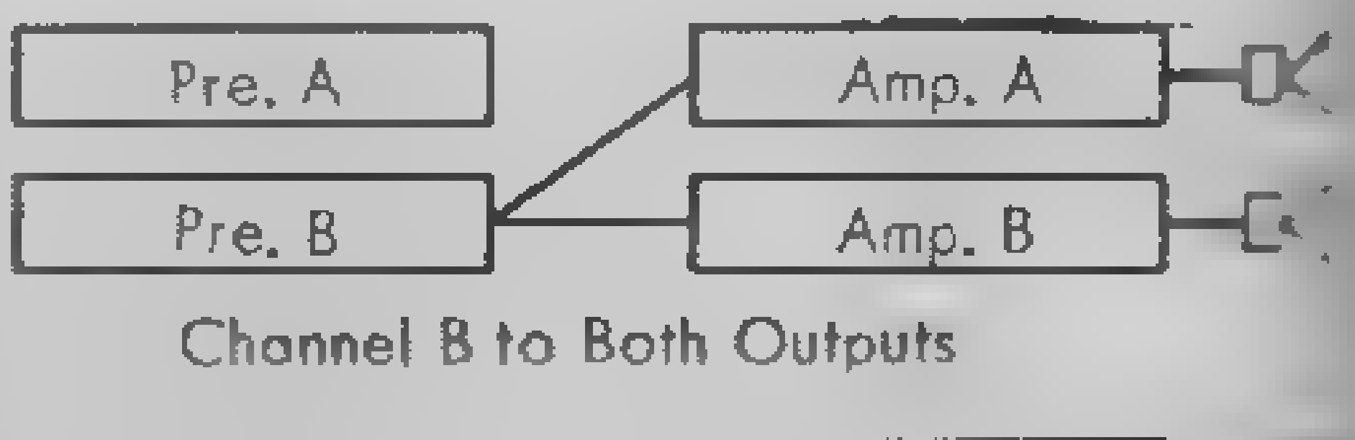
MAXIMUM FLEXIBILITY—SINGLE CONTROL SELECTS ANY MODE OF OPERATION



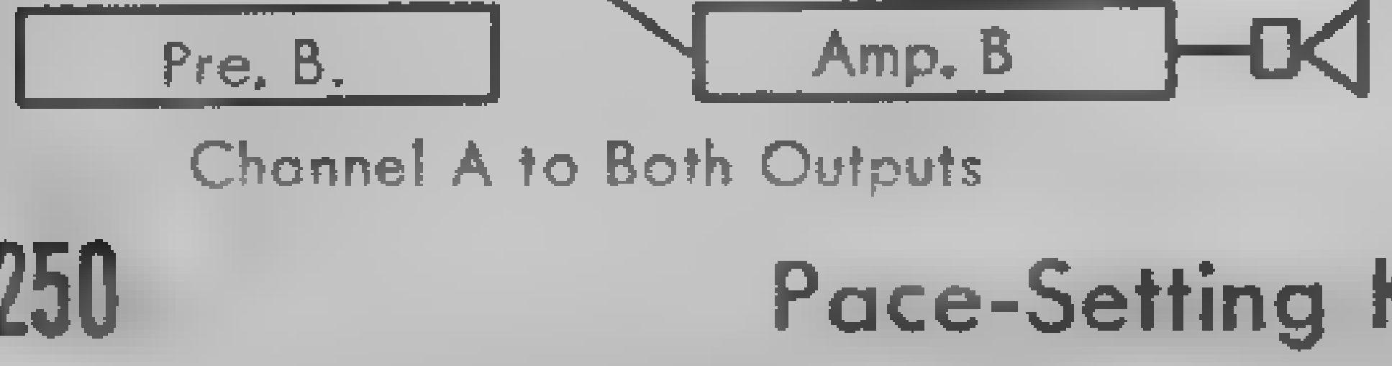
Nor--l Stereo



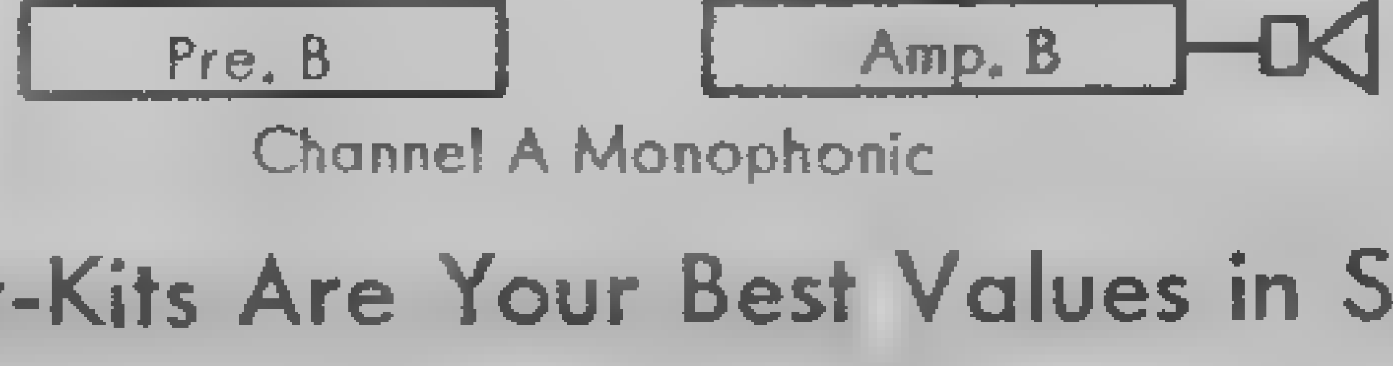
Reversed Stereo



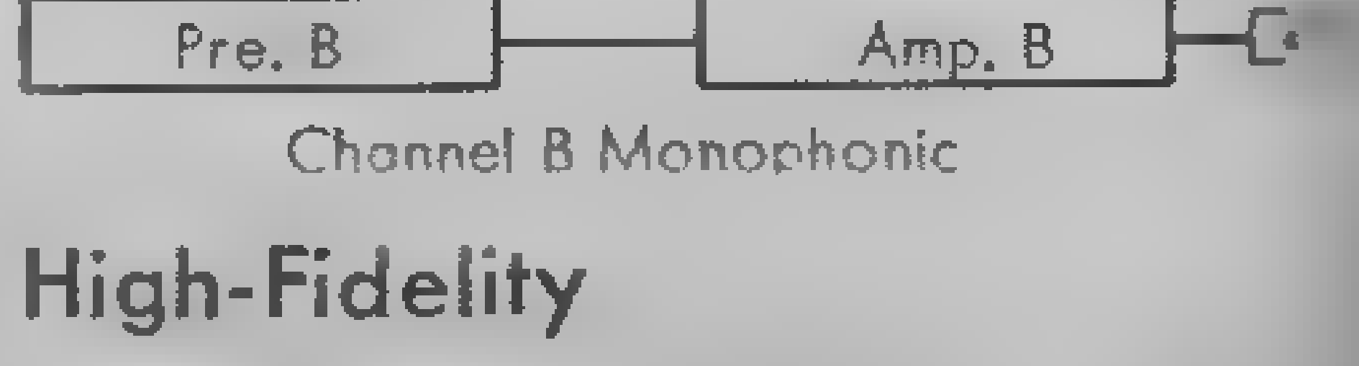
Channel B to Both Outputs



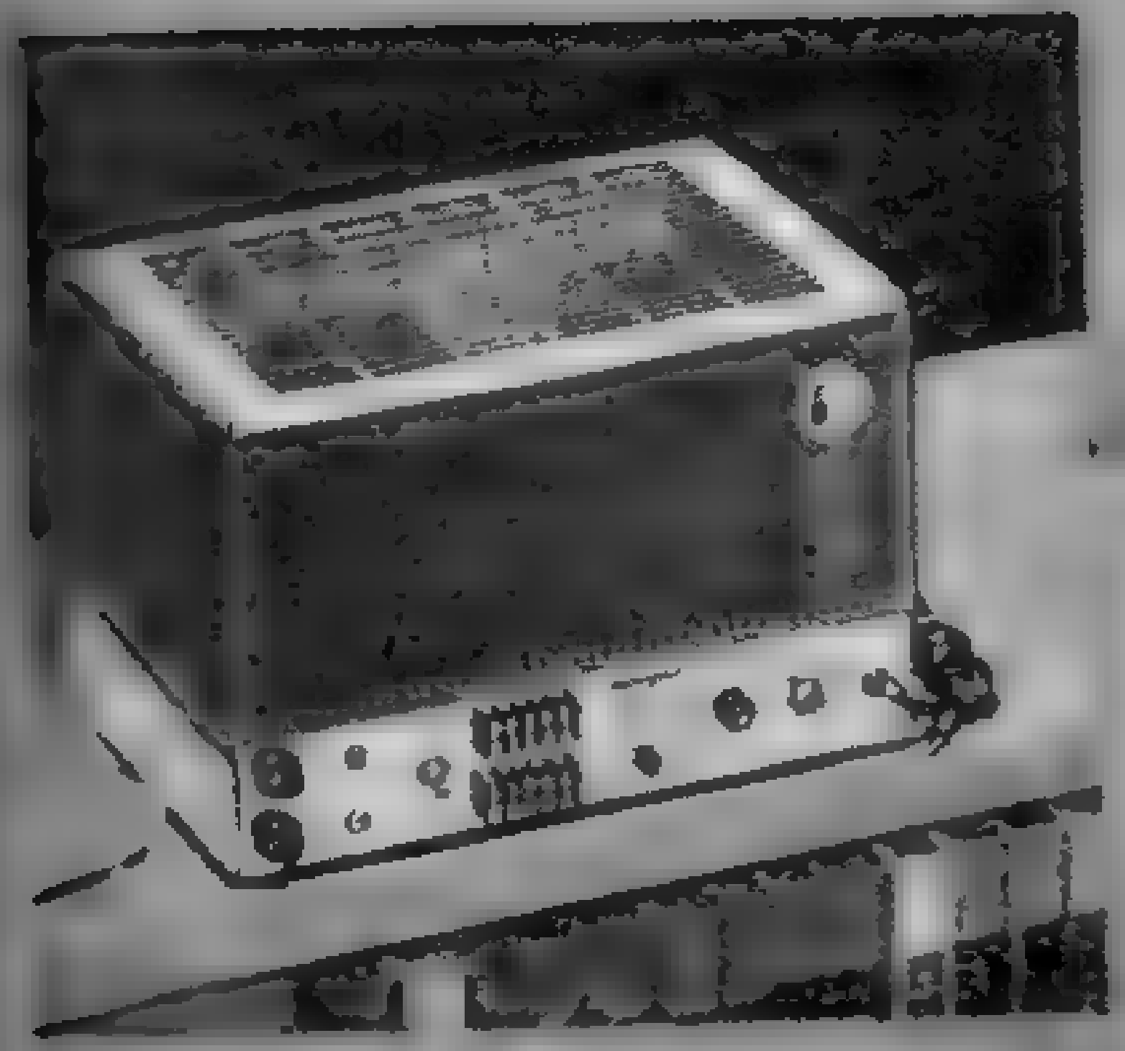
Channel A to Both Outputs



Channel A Monophonic



Channel B Monophonic



Gleaming Chrome-Plated Chassis—Optional Gray Metal Cover

ONLY
79^{95}

$5
DOWN

Deluxe 60-Watt Basic Stereo Amplifier Kit

TRULY THE FINEST IN ITS CLASS . . . MEETS CRITICAL PROFESSIONAL REQUIREMENTS

SPECIFICATIONS

Rated Power: 60 watts, 30 watts each channel; 120 watts peak.

Frequency Response: Each channel, ±0.5 db, 10 to 42,000 cps at 15 watts, 15 to 31,000 cps at 30 watts.

Distortion: Harmonic, 0.15%; IM, 15% at 30 watts output per channel.

Sensitivity: 0.54 v. for 30 watts output per channel.

Hum & Noise: 90 db below 30 watts output per channel.

Controls: Level A; Level B; Stereo-Monophonic Switch; Monophonic Gain Balance Test Switch; Off-On Switch.

Output Impedances: 4, 8, 16 and 32 ohms, each channel.

Tubes: 2—EF86/Z729/6267; 2—ECC 83/12AX7/7025; 4—EL37; 2—GZ34/5AR4 rectifier.

Higher Quality—More Features—Greater Flexibility than any other Basic Stereo Amplifier In Its Price Range

Powerful 30-Watts-Per-Channel Output Assures Peak Performance with Today's Low-Efficiency Speakers

A superb stereo basic amplifier that surpasses the expectations of even the most critical audio connoisseur! From its sensitive input stage to its custom, high-fidelity output transformers, the Knight-Kit 60-Watt Stereo Basic Amplifier kit employs only the very finest components available. Its powerful 30-watts-per-channel rated output makes it the ideal amplifier for use with the new high-compliance, low-efficiency speaker systems, as well as all good-quality, high-efficiency speakers. A perfect partner for the Knight-Kit Deluxe Stereo Preamp kit, at left.

Highlighting the features of this performance-acclaimed unit are: superior high-fidelity tubes; low-noise resistors in all critical circuit stages; 35 db of negative feedback per channel to reduce distortion to insignificance; convenient switch for quick stereo-monophonic changeover; etc. Employs two printed circuit boards for remarkably easy, accurate assembly. Deluxe, heavy-gauge chassis in gleaming chrome and black. Complete with wire and solder; instructions. 8¼x14x9″. For operation from 110-125 volts, 60 cycle AC. Shpg. wt., 39 lbs.

83 YU 777. *$5 Down.* **ONLY**	79.95
83 YX 779. Attractive Metal Cover for Above. Wt., 5 lbs. **ONLY**	6.50

25-Watt Basic Hi-Fi Amplifier Kit

[illegible]

Rated Power Output: 25 watts (50 watts peak).

Response: ±0.5 db from 14 tc 45,000 cps at 25 watts.

Distortion: Harmonic, less than .25%; IM, less than .4% at 25 watts.

Hum & Noise (inputs shorted): 96 db below 25 watts.

Damping Factor: 4-ohm output calibrated 0.5 to 10; 8-ohm, 0.75 to 20; 16-ohm, 1.0 to 50.

Controls: Variable Damping; Balancing Adjustment; Level Set Adjustment; Off-On Switch.

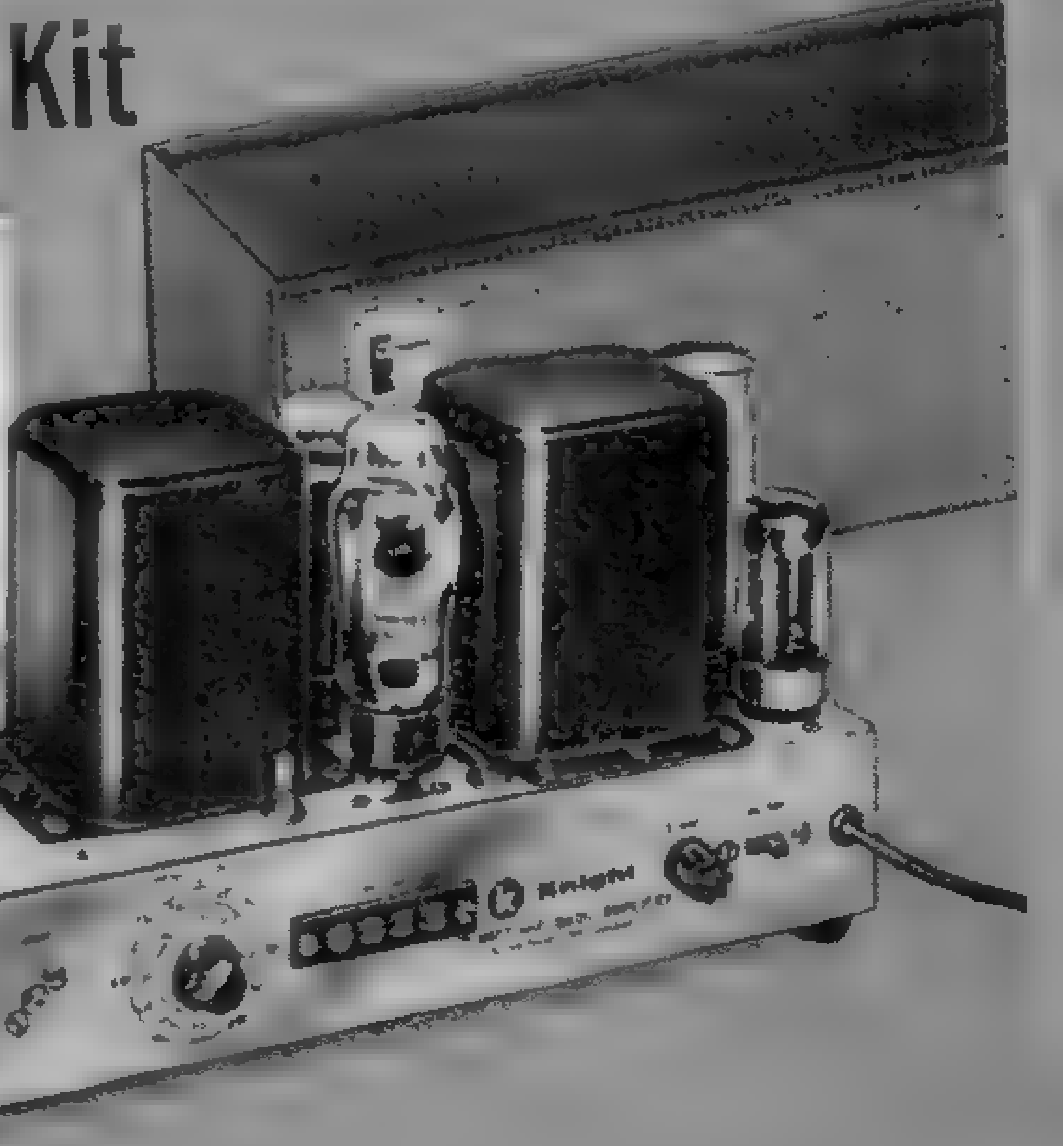
Tubes: EF86/Z729/6267, ECC 83/12AX7, 2—EL37; GZ34/5AR4 cathode-type rectifier.

A deluxe, single-channel basic amplifier of superlative quality—the ideal "add-on" basic for stereo conversion. Delivers a full 25 watts of virtually flawless high-fidelity output. Incorporates variable damping control, with calibrated scales for each speaker impedance, to assure optimum matching to any speaker. Has custom-quality output transformer, balance control for output tubes, low-noise resistors in critical stages, printed circuitry for ease of assembly. Less cover, below. Size, 7¼x14½x4¾″. For 105-125 v., 60 cycle AC. Wt., 21 lbs.

83 YU 793. *$2 Down.* **ONLY** . . .	44.50
83 YX 794. Metal Cover for Above. Black-and-gold styling. 2½ lbs. **ONLY** . .	4.75

ONLY
44^{50}

$2
DOWN



knight-kit
STEREO HI-FI

ONLY
$\$59^{95}$
$\$5$
DOWN

Outstanding-Value 32-Watt Stereo Hi-Fi Amplifier Kit

SUPERLATIVE PERFORMANCE . . . EXCEPTIONALLY LOW COST . . . ULTRA-SMART STYLING

A remarkable value by any standard of comparison, this newly developed stereo amplifier represents a notable achievement in high-fidelity component design. Its impressive, smartly styled exterior encompasses a unit capable of pure, powerful stereo reproduction. Delivers 16 watts per channel for a full 32 watts of full-range, panoramic stereo sound. Includes two fully integrated preamps, with RIAA equalization, which accommodate magnetic stereo cartridges. Also incorporates stereo inputs for ceramic cartridge, tuner, tape, tape head, and auxiliary. Its extremely versatile controls give you total command of stereo reproduction with unexcelled ease and precision.

Incorporated in this brilliant performer's advanced-design is a special center channel output. Requiring no external transformers or other mixing devices, this output permits connecting a full-range "center channel" stereo speaker to eliminate any "hole-in-the-middle" when using widely spaced speakers. Also permits connecting remote speakers in other rooms to handle both stereo channels monophonically.

Also included in its array of fine features are: NAB tape equalization for top-notch accuracy in reproduction; convenient, ganged bass and treble controls that boost or attenuate each channel simultaneously for complete control of tonal color; single knob balance control for optimum adjustment of stereo playback; front-panel operated slide switch for paralleling channels when playing monophonic records; DC on preamp tube filaments to eliminate hum and noise; easy accessability to all inputs and outputs from rear apron of chassis; two accessory AC outlets (one switched on and off with amplifier); tape recorder outputs which function independently of tone and volume controls.

Inspired styling keynotes this value-packed performe Its attractive Desert-Beige and anodized Sand-G escutcheon and Cordovan Gray case harmonize beau fully with any decorative setting—you'll take pride its professional elegance. In addition, its unique, edg spaced front panel provides ample ventilation.

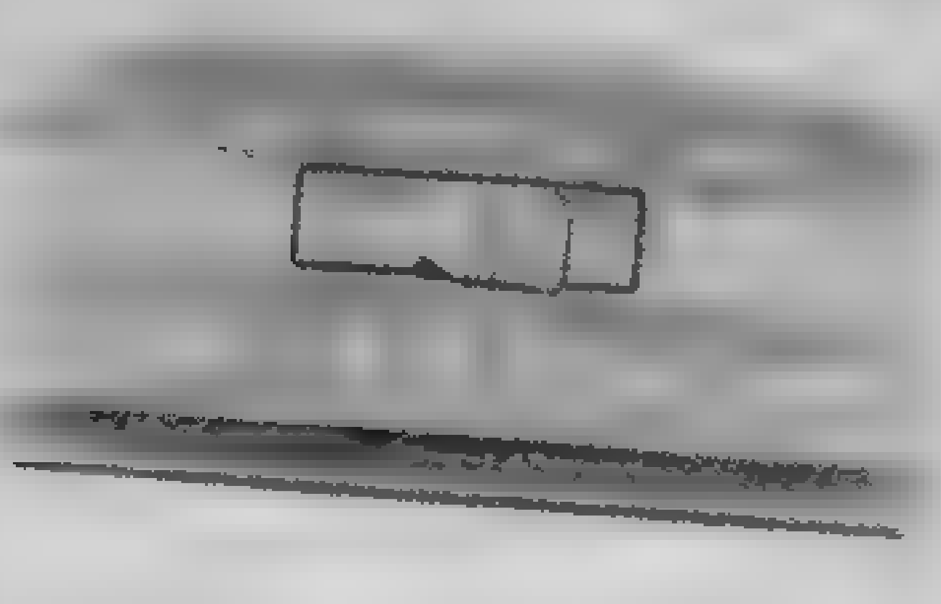
World-famous Knight-Kit step-by-step instructi with giant-size picture diagrams guide your eve move and eliminate guesswork—you'll find assem of this high-quality amplifier fast and enjoyable, ev if you have had no previous kit-building experie Circuit utilizes simple point-to-point wiring meth Only a few common tools are required for assembly soldering iron, screwdriver and pliers.

The Knight-Kit 32-watt amplifier is supplied compl with cabinet and all other parts you need for assembl even includes wire and solder. One of the finest val ever presented—you're sure to be delighted with top performance as well as its deluxe appeara 4¼ (plus ⅝" legs)x14⅜x11¾". For 105-125 v., 60 c AC. Shpg. wt., 24 lbs.
83 YU 933. *$5 Down.* **ONLY**..................59.9

Judge Knight-Kit Value for Yourself . . .

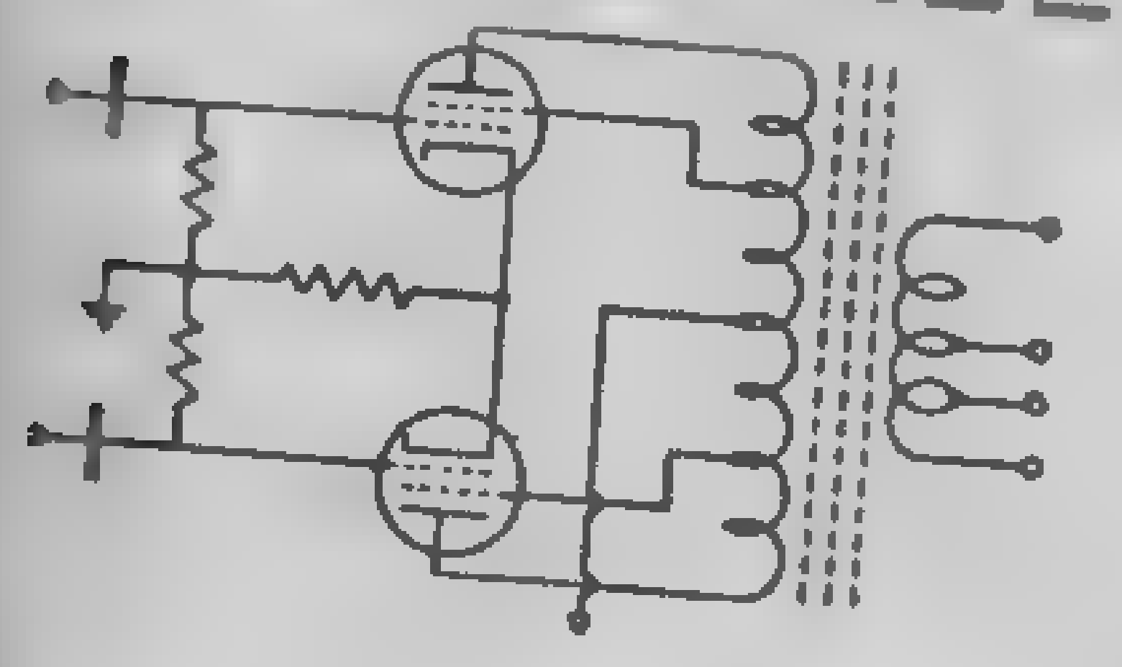
Order the feature-packed 32-Watt Stereo Ampli kit, above, or any other famous-for-quality Knight-K Inspect the careful packaging—the high-quality c ponents—the advanced circuitry the easy-to-un stand assembly manual. If you are not comple satisfied in every way, return the kit for full ref exchange, or credit. We're confident that you'll agre *Knight-Kits are the finest electronic equipment in mo saving kit form.*

CHECK THESE SUPERIOR DESIGN FEATURES

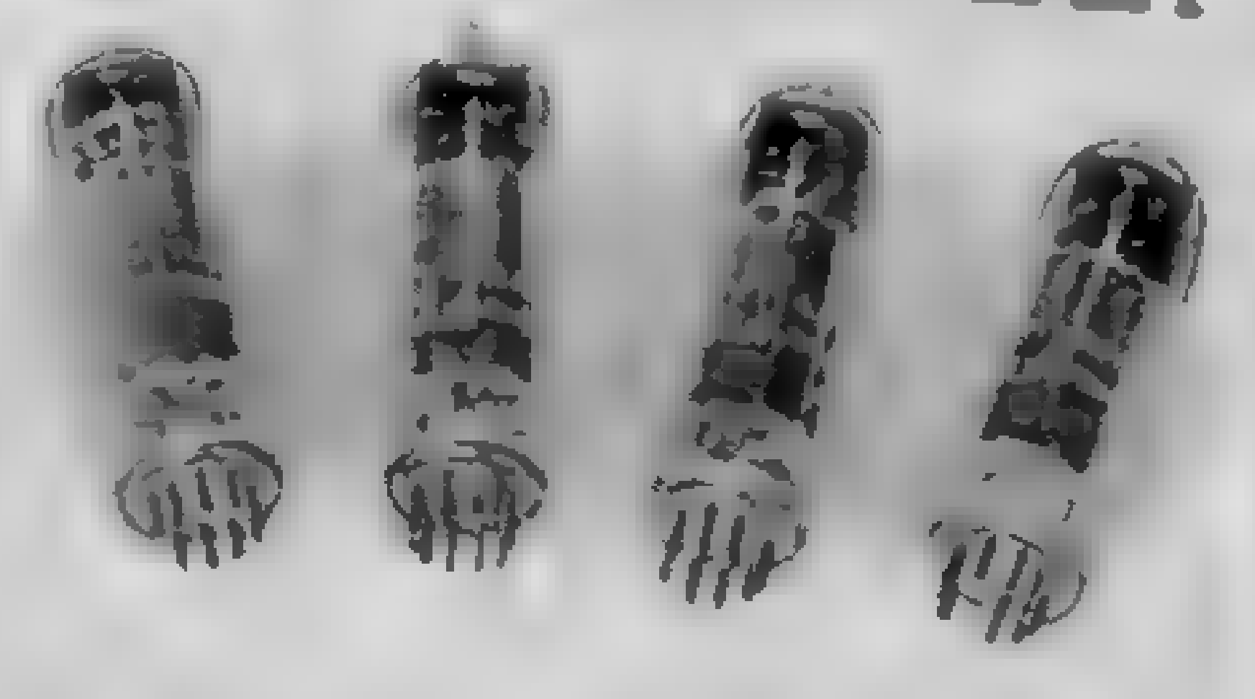


Parallel Input. Provides top performance when playing monophonic discs with stereo cartridge—cancels out undesirable vertical noises.

Center-Channel Output. Permits adding "center channel" speaker to stereo system and/or remote extension speakers in other rooms.



Tapped-Screen Linear Output. Advanced-design circuit that provides exceptionally clean reproduction over the entire audio range.



Four 7189 Output Tubes. Premium-quality, specially designed audio output tubes for peak performance in high-fidelity output circuits.

CUSTOM-STYLED AUDIO CENTER AT EXCEPTIONALLY LOW COST

SPECIFICATIONS

Rated Power: 32 watts (64 watts peak); watts per channel.

Frequency Response: ±1 db, 20-20,000 cps per channel at half power.

Harmonic Distortion: Better than 1.0% at full power output.

Hum and Noise: Better than 65 db per channel below full output at high level inputs; better than 50 db per channel below full output in magnetic phono input with 10 mv input reference signal; better than 45 db per channel below full output in tape head input with 10 mv input reference signal.

Inputs (5 pairs): Tape Head, Magnetic Phono, Ceramic Phono, Tuner, and Aux.

Sensitivity (per channel at full power): Magnetic Phono, 2 mv; Ceramic or Crystal Phono, 150 mv; Tape Head, 2 mv; Tuner, 200 mv; and Auxiliary, 500 mv.

Controls: Selector (Tape Head, Phono, Tuner or Auxiliary); Volume; Treble; Bass; and Balance. Mon-L/Mon-R/Stereo Reverse slide switch; Parallel/Stereo/Mon L-R slide switch; Power (Off-On) slide switch.

Output Impedances: 4, 8 and 16 ohms each channel; center channel matches 8 or 16 ohms.

Tube Complement: 4—7189; 6—ECC83/12AX7; 1—GZ34 rectifier.

Power Consumption: 110 watts.

Power Requirements: For operation from 105-125 volts, 60 cycle AC.

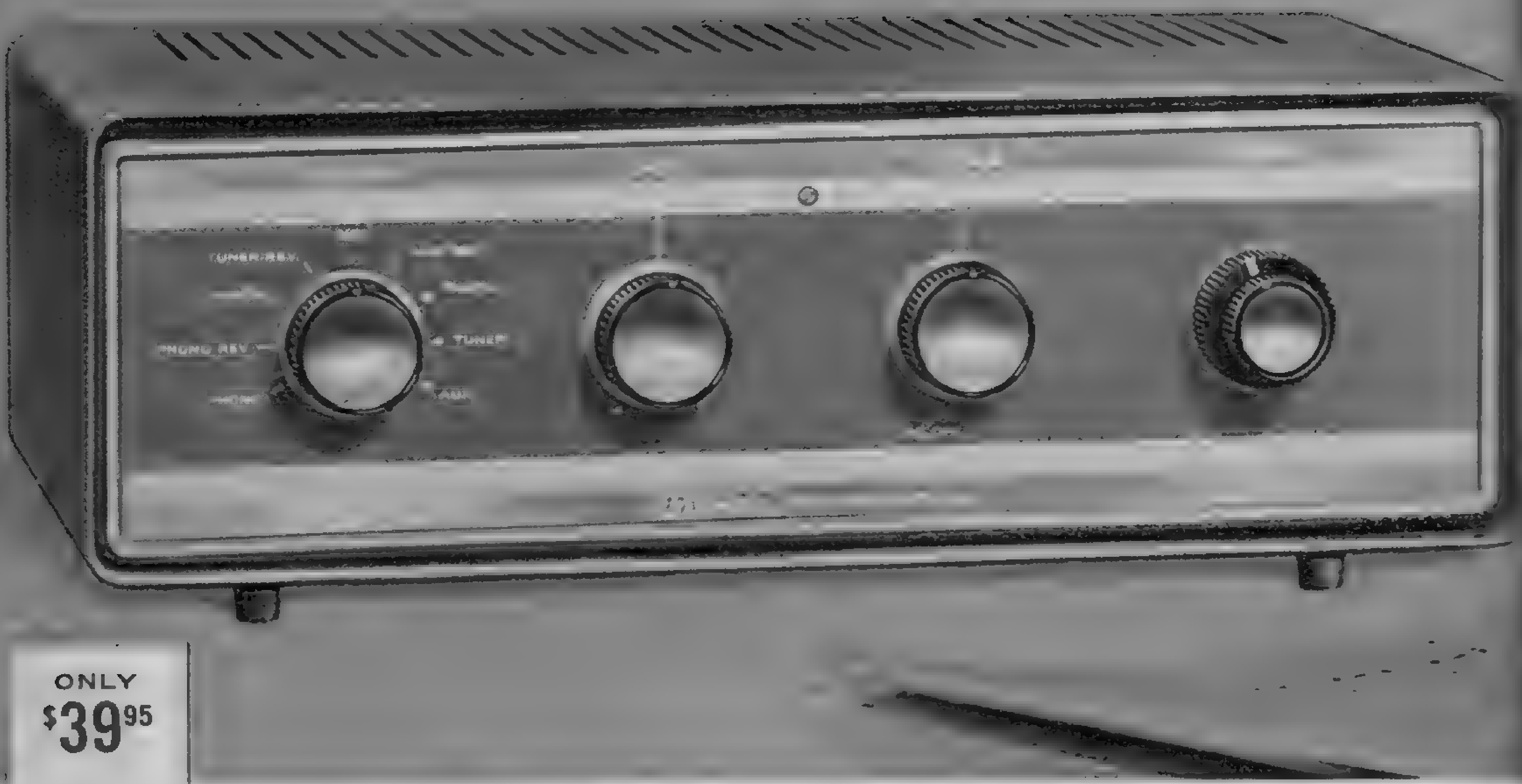
Assemble Your Own Quality Stereo System

You'll enjoy the exceptionally fine performance that's yours at amazingly low cost with a Knight-Kit stereo music system. Choose from the complete selection of custom-quality amplifiers, tuners, and tape recorders in money-saving kit form; select the speaker systems of your choice. You'll marvel at the fun and ease of assembling a Knight-Kit ensemble. Knight-Kit hi-fi components always give you professional performance and attractive styling—harmonize beautifully with any of the fine speaker enclosures and equipment cabinets featured in the high-fidelity section of this Catalog. Your satisfaction is assured when your music system features Knight-Kits—available on Allied's Easy Payment Plan.

SEE ALLIED-RECOMMENDED KIT SYSTEMS

You save more—in two important ways—when you choose an Allied-recommended "Do-It-Yourself" stereo hi-fi system. You save by buying at Allied's special system price; and you pocket big savings by building the kit components yourself. See listings in this Catalog.

knight-kit
STEREO HI-FI



ONLY
$39.95

$2
DOWN

Super-Buy 20-Watt Stereo Hi-Fi Amplifier Kit

REMARKABLY LOW-COST, HIGH-QUALITY STEREO . . . HANDSOME STYLING . . . EASY TO BUILD

The famous Knight-Kit 20-Watt Stereo Amplifier Kit—in its attractive, decorator-styled case and panel—represents value supreme! You'll really enjoy assembling this top-performer, with easy-to-follow Knight-Kit instructions to guide your every move. Ideal as the "heart" of any budget stereo music system, this superb unit delivers 10 watts per channel into each of two speaker systems for a full 20 watts of panoramic stereo sound. Remarkably complete—yet amazingly low in cost—it includes two fully integrated, built-in preamps, that accommodate magnetic stereo cartridges. The simplified control facilities offered by this preamplifier section enable you to regulate and balance your stereophonic sound with exceptional ease and accuracy.

Highlighting the simplified, yet flexible design of this unit is a special clutch-type, dual-concentric level control. The friction-clutch mounting permits either knob to be rotated by itself for individual channel adjustment, or both knobs to be rotated simultaneously to let you raise or lower overall volume without upsetting channel balance. A unique, single-knob selector switch is incorporated to permit convenient, simplified selection of both the desired input source and the function—stereo, monophonic, stereo reverse, etc.

Also included are separate, ganged bass and treble controls which boost or attenuate both channels simultaneously for complete control of tonal color.

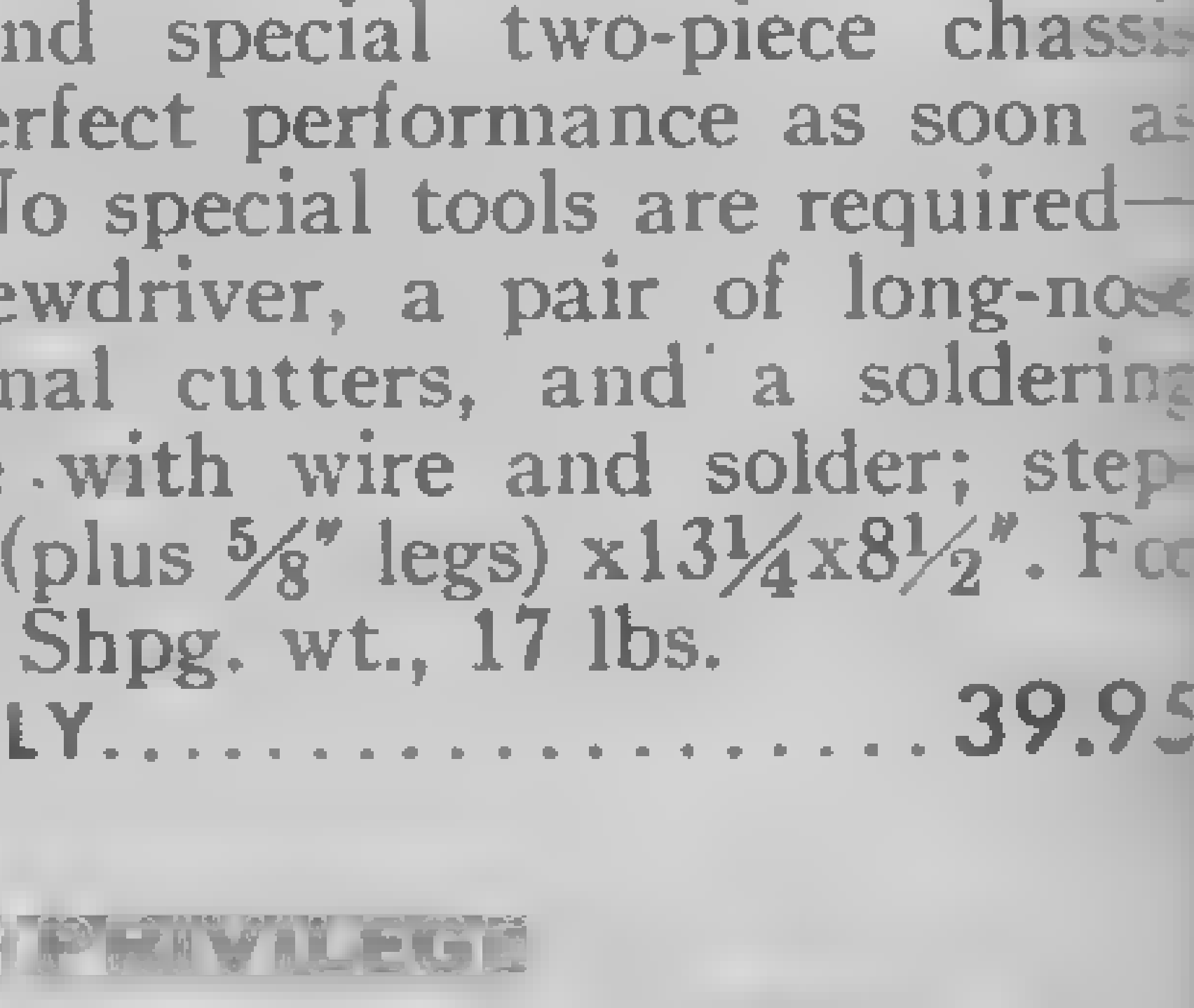
The expertly designed push-pull output circuitry incorporated in the unit includes four ECL82 output tubes for ultra-clean high-fidelity output over the entire audible range of sound. All preamplifier tube filaments operate on DC voltage for hum-free performance.

For proper response from both stereo and monophonic LP's, preamplifier section has built-in RIAA equalization. As an added convenience, a switched AC accessory outlet is included to permit switching record player or tuner on and off from amplifier. Beautifully styled, the Knight-Kit 20-Watt Stereo Amplifier features a tasteful, modern appearance that harmonizes with any decorative scheme. Case is finished in Cordovan Gray with front panel in rich-looking Desert Beige and Sand Gold. Trim, knurled knobs are black with gleaming gold inserts.

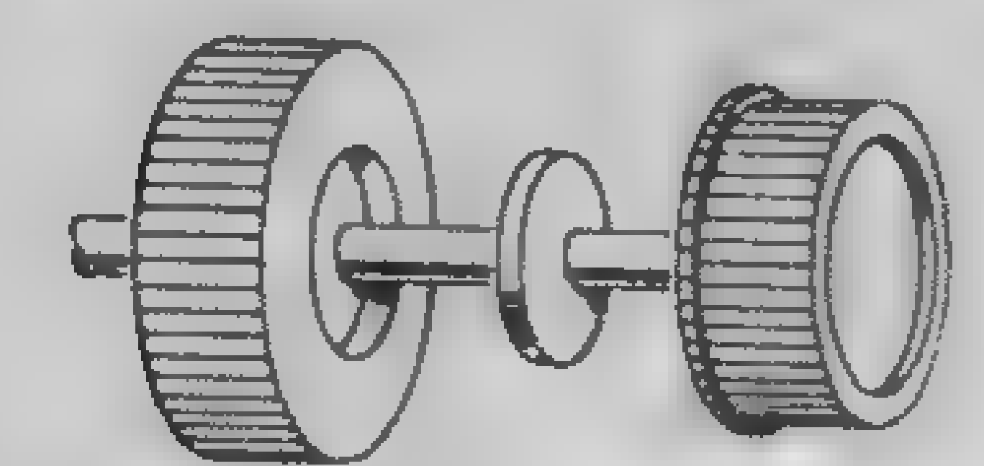
Assembly is a marvel of simplicity with simplified point-to-point wiring and special two-piece chassis construction—assures perfect performance as soon as your kit is completed. No special tools are required—all you need are a screwdriver, a pair of long-nose pliers, a pair of diagonal cutters, and a soldering iron. Supplied complete with wire and solder; step-by-step instructions 4¼ (plus ⅝" legs) x13¼x8½". For 105-125 v., 60 cycle AC. Shpg. wt., 17 lbs.
83 YX 927. *$2 Down.* ONLY 39.95

FREE EXAMINATION PRIVILEGE

Thousands already know the enjoyment and satisfaction that's part of every Knight-Kit—why not see for yourself? Order the Knight-Kit of your choice—inspect the quality components, the brilliant circuitry, the easy-to-understand assembly manual. If you are not completely satisfied, your entire purchase price will be refunded.

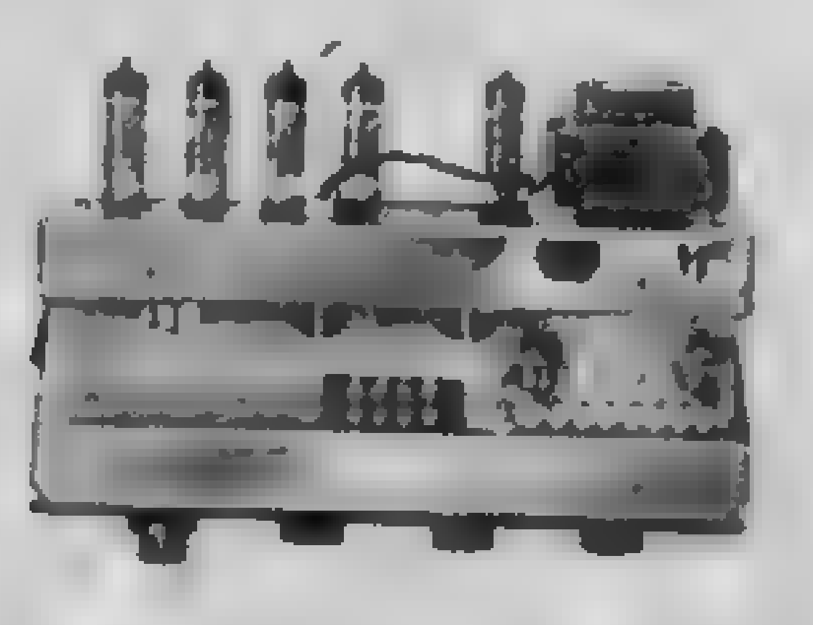


QUALITY FEATURES AT AMAZINGLY LOW COST



Clutch-Type Control. Friction-clutch mounting of concentric level controls permits separate or simultaneous adjustment.

One-Knob Selector. Unique, single-knob control simultaneously chooses desired input source and mode of operation.



Easiest Assembly. Like a fine instructor, world-famous Knight-Kit instructions guide you every step of the way.

DC FILAMENTS

DC Preamp Filaments. DC operation of all preamplifier tube filaments assures noiseless, hum-free performance.

SPECIFICATIONS

Power Output: 20 watts (40 watts peak); 10 watts per channel.

Response: ±1.5 db, 20-20,000 cps at 1 watt; ±1.5 db, 35-15,000 cps at full rated power.

Harmonic Distortion: Less than 1.5% at 20 watts.

Hum and Noise: Better than 75 db below full output.

Inputs (4 pairs): Magnetic Phono, Ceramic or Crystal Phono, Tuner, and Auxiliary.

Sensitivity: Magnetic Phono, 6 mv.; Ceramic Input, 0.4 v.; Tuner and Auxiliary, 1 volt.

Negative Feedback: 13 db.

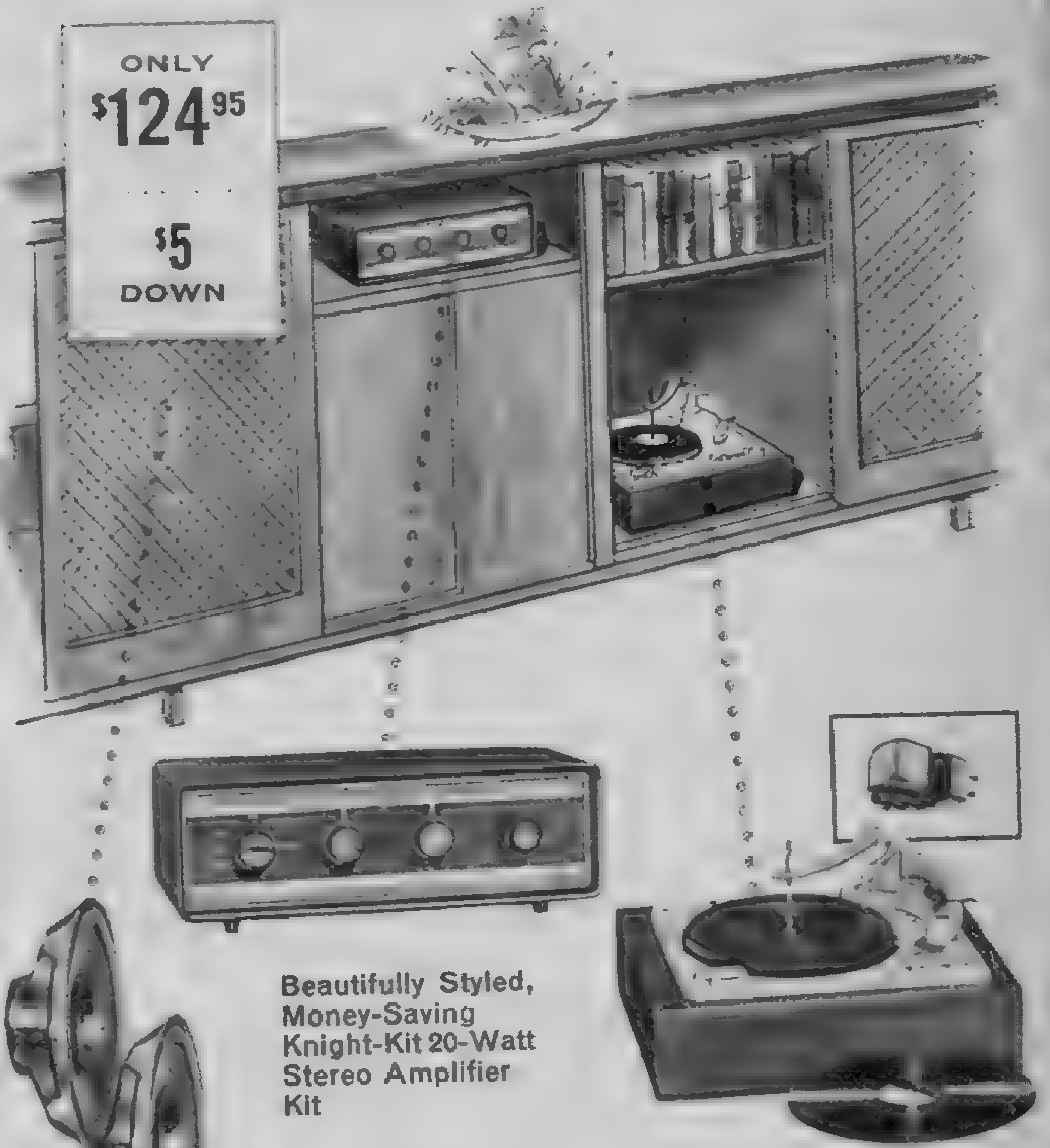
Controls: Selector (*Stereo:* Phono, Phono Reverse, Tuner, Tuner Reverse, Aux, Aux Reverse; *Monophonic:* Phono, Tuner and Auxiliary); Bass (boosts or cuts 10 db at 35 cps.); Treble/Off-On (boosts 5 db or cuts 7 db, at 10,000 cps); Volume.

Impedances: 4, 8 and 16 ohms.

Tubes: 2—ECC83/12AX7; 4—ECL82, EZ81/6CA4 rectifier.

Complete Do-It-Yourself 20-Watt Stereo Phono System At Tremendous Savings

Designed for the budget-minded "do-it-yourselfer"—a beautifully balanced stereophonic phono system featuring the highly popular, easy-to-build Knight-Kit 20-Watt Stereo Amplifier Kit.



Beautifully Styled, Money-Saving Knight-Kit 20-Watt Stereo Amplifier Kit

2—Knight KN-820 12" High-Fidelity Speakers for Custom Installation (Plans Included)

Garrard RC210 Changer and Base; Knight KN-500 Cartridge with .0007" Diamond Needle; FREE 12" Stereo Demo Record

YOU SAVE IN TWO BIG WAYS

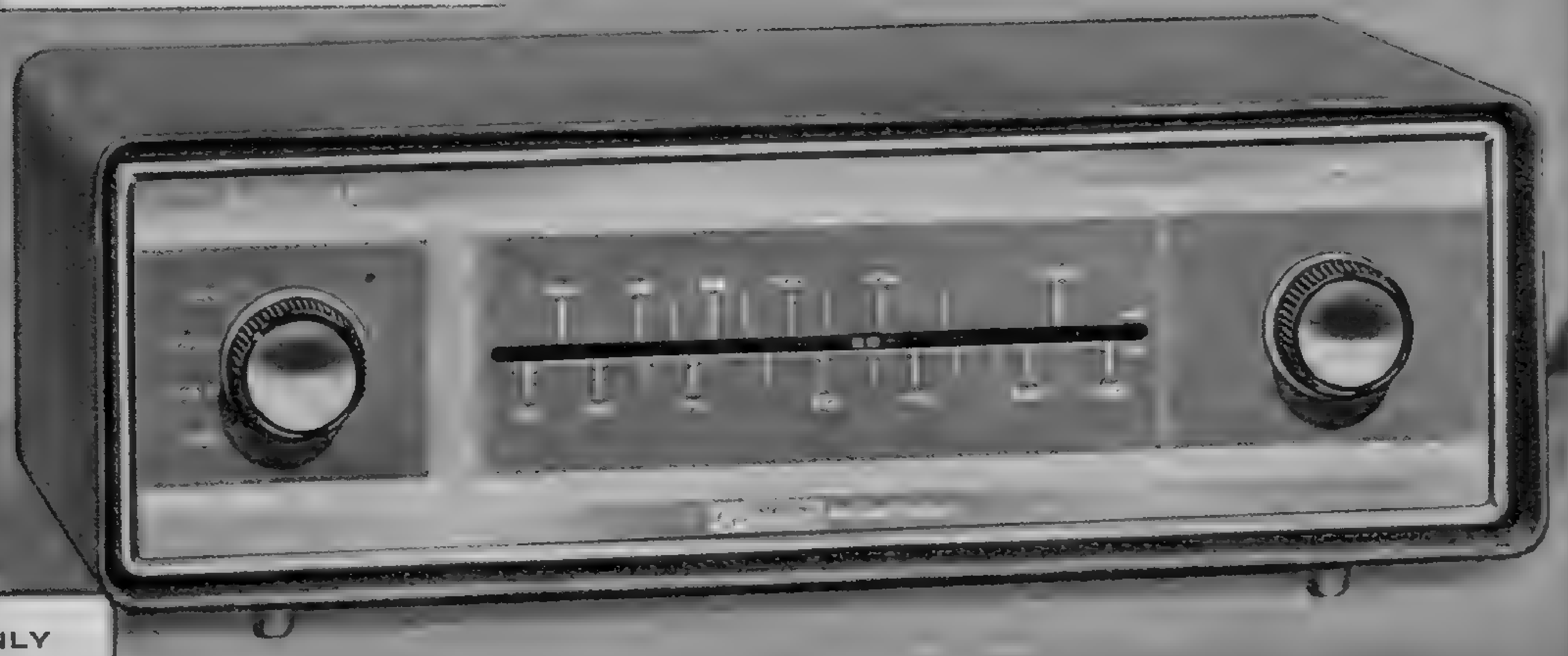
You save in two important ways: you save because the cost of this system is far less than the total cost of the individual components purchased separately—and you save by assembling the amplifier yourself.

Knight-Kit 20-Watt Stereo Amplifier Kit	$39.95
Garrard RC210 Record Changer & Base	48.99
Knight KN-500 Cartridge—Diamond Needle	12.95
2—Knight KN-820 12" Speakers	33.90
TOTAL REGULAR CATALOG PRICE	$135.79
ALLIED SYSTEM PLAN PRICE	124.95
YOU SAVE	**$10.84**

Changer base in mahogany, limed oak or walnut—specify choice. System operates from 110-120 v., 60 cycle AC. Shpg. wt., 48 lbs. 20 HF 503. $5 Down. ONLY........................ 124.95

SEE HI-FI SYSTEM PAGES FOR MORE KNIGHT-KIT STEREO ENSEMBLES

Knight-Kit
HIGH-FIDELITY



ONLY
$49.95
$2
DOWN

Super-Value High-Fidelity FM-AM Tuner Kit

HIGHLY SENSITIVE . . . BEAUTIFUL NEW STYLING . . . UNSURPASSED FOR ECONOMY

AFC Provides Drift-free, "Lock-In" Tuning of FM Stations

Pre-Aligned RF and IF Coils—No Need for Further Adjustments

High Sensitivity—2.5 Microvolts for 20 db Quieting on FM

First choice for the budget-minded high-fidelity enthusiast, the Knight-Kit FM-AM Tuner is truly an amazing value by any standard of comparison. This beautifully styled tuner brings you genuine hi-fi performance at far less cost than comparable factory-wired units. It's easy to assemble because most of the wiring is done for you on the printed circuit board—just install the parts on board and solder them in place. Simple instructions take you through the entire assembly, a step at a time—you'll point with pride at your accomplishment. An ideal companion for any Knight-Kit amplifier, or any other quality hi-fi amplifier.

The many advanced features designed into this tuner combine to make it an exceptional value. A tuned RF stage on FM provides high sensitivity—2.5 microvolts for 20 db quieting. Wide-range, flat frequency response guarantees true high-fidelity reception. Built-in ferrite AM antenna may be rotated for best reception in your location. Flywheel tuning enables you to glide from station to station, effortlessly; automatic frequency control (AFC) locks in FM stations, eliminating distortion due to mis-tuning. An AFC defeat switch helps tune distant stations.

In addition to the above features, the tuner has a cathode follower output plus an output which can be wired for "off-the-air" tape recording—or wired for an external multiplex stereo adapter to receive multiplex stereo broadcasts. Pre-aligned RF and IF coils mean that you can play the tuner—without further adjustment—as soon as assembly is complete. No special tools are required for assembly—the entire job can be easily accomplished with a soldering iron, screwdriver, and long-nose pliers.

You'll be proud to place this tuner where everyone can see its smart styling; it is completely enclosed in a smart Cordovan Gray case, with soft plastic feet to protect furniture. Centered on the Desert Beige and Sand Gold control panel is an easy-to-read slide rule scale; stations are located by the self-illuminated neon glow pointer, as it moves across the scale with jewel-like orange brilliance.

Famous Knight-Kit precision engineering assures easy, simplified assembly and saves hours of construction time. Everything is supplied—all parts, wire and solder, tubes, output cable, the attractive Cordovan Gray steel cabinet, and detailed Knight-Kit step-by-step instructions with wall-size picture diagrams. Size, 4¼x13¼x8" (plus ⅝" legs). For operation from 105-125 volts, 60 cycle AC. Shpg. wt. 13 lbs.
83 YX 928. *$2 Down.* ONLY.......................... 49.95

SPECIFICATIONS

FM Section

Sensitivity: 2½ microvolts for 20 db quieting.

Response: 20-20,000 cps.

Hum and Noise: 60 db below 1-volt output.

IF Bandwidth: 200 kc at 50% down on curve.

AM Section

Sensitivity: 3μv for 10 db signal-to-noise ratio.

Hum and Noise: 60 db below 1-volt output.

IF Bandwidth: 8 kc at 50% down on curve.

General Specifications

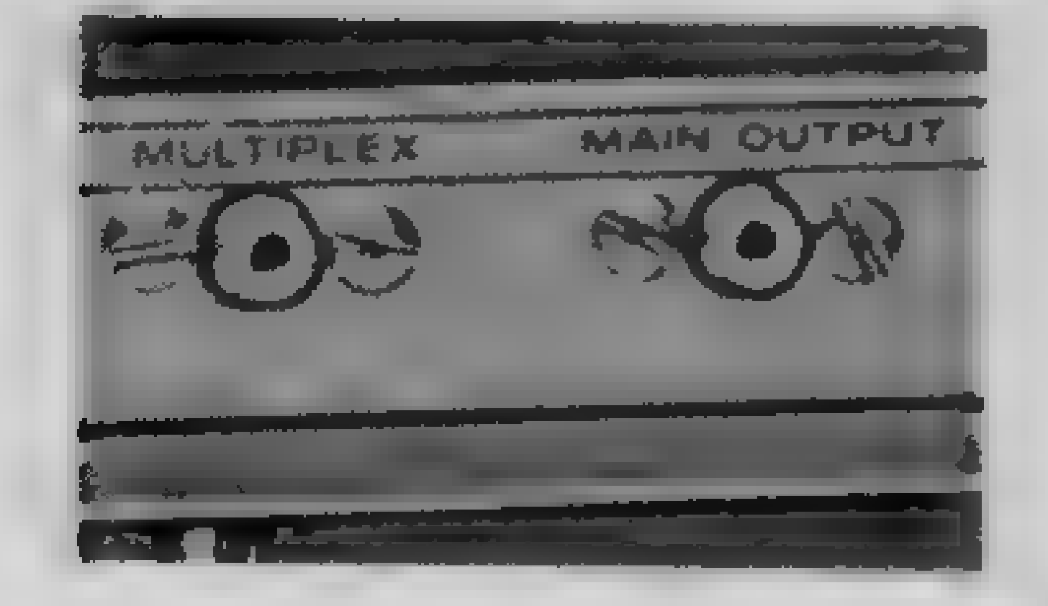
Controls: Selector (AFC, FM, AM, and OFF); Tuning.

Outputs: (2): Amplifier; stereo multiplex adapter or tape recorder (may be wired for either).

Tube Complement: 6AN8; 6BE6; 6BA7; 12AT7; 2—6AU6; ECC82/12AU7; 6AL5; plus 6X4 rectifier.

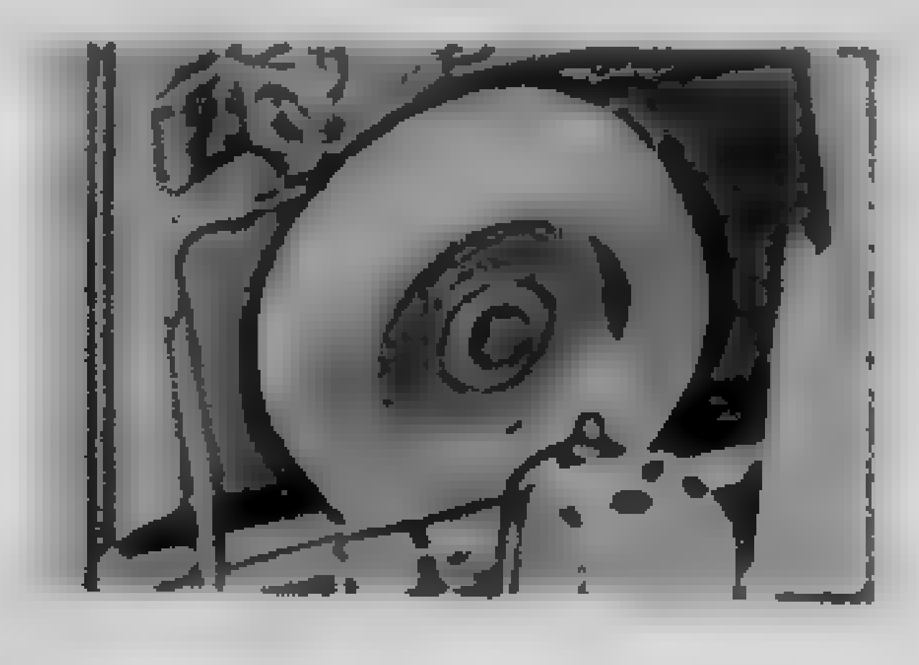
Best Buy in the Low-Cost Field

SPECIAL FEATURES OF THESE KNIGHT-KIT TUNERS



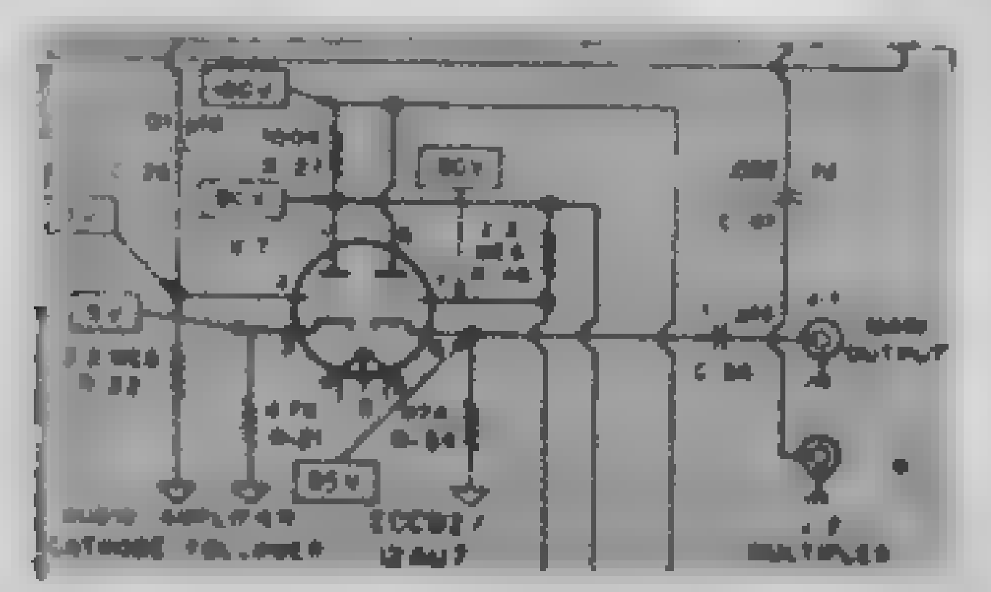
MULTIPLEX & MAIN OUTPUTS

Featured are cathode follower type main output **plus** an output for connection of multiplex adapter—can be wired as a tape output if desired.



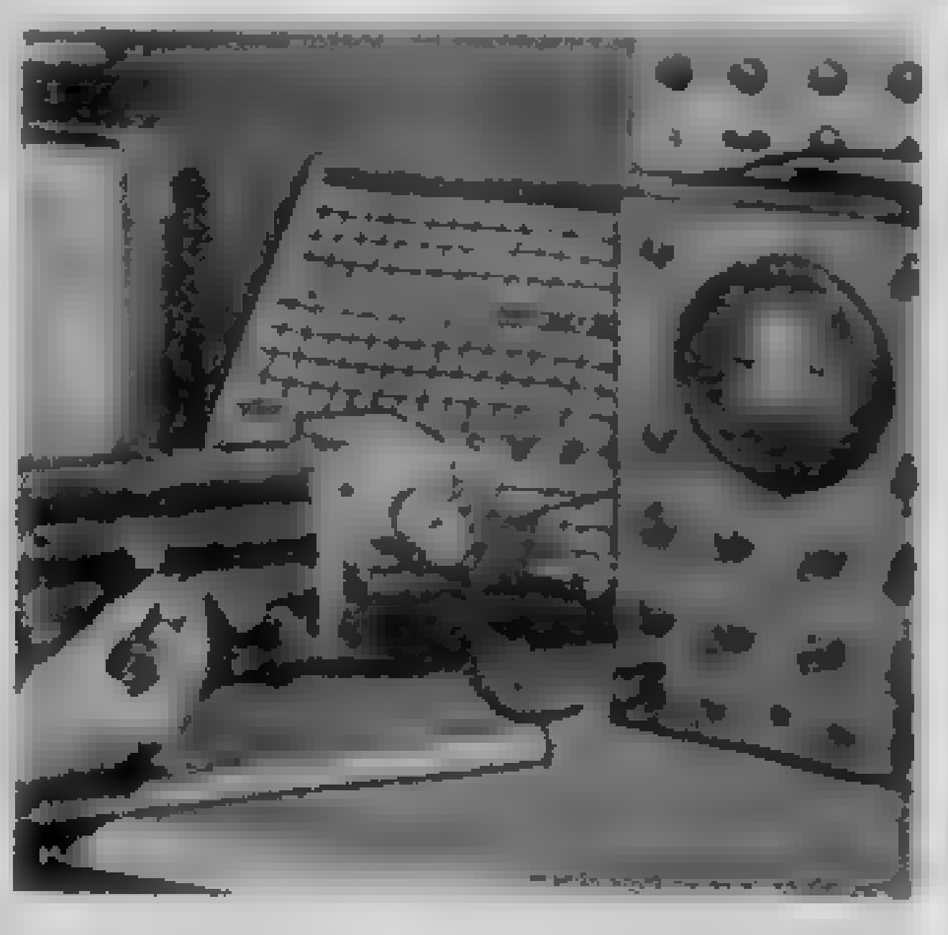
EASY FLYWHEEL TUNING

A gentle touch moves the neon-glow tuning pointer to the station you select—you glide from one station to another smoothly, effortlessly.



CATHODE FOLLOWER OUTPUT

Assures peak performance with any amplifier or recorder by perfectly matching any input impedance—permits use of long leads to amplifier without loss of high frequencies.



FACTORY-ALIGNED COILS

Pre-aligned RF and IF sections permit you to play the tuner as soon as you have completed assembly—no further adjustment necessary!

ABOUT MULTIPLEX . . .

At the present time, the Federal Communications Commission is considering various proposals for a system of Multiplex stereo FM transmission. As soon as the system is standardized, Allied will make available a Multiplex adapter kit for your Knight-Kit hi-fi tuner. The purchase of this adapter will permit you to receive these single-station FM stereo broadcasts on either of these famous Knight-Kit tuners. Another example of how Knight-Kits provide obsolescence-free, dependable service!

ONLY
$38^{95}
$2
DOWN

Economy FM Tuner Kit

BRINGS HIGH-FIDELITY FM WITHIN EVERYONE'S REACH

All-new, deluxe modern styling harmonizes with any decor

Features drift-free AFC control for "lock-in" FM tuning

Pre-aligned RF and IF coils—no further adjustments necessary

For high-fidelity FM that anyone can afford—for outstanding performance and finest-quality components—choose this famous Knight-Kit budget-priced FM tuner kit. A marvel of assembly ease, this popular performer utilizes a full 7-tube circuit for unusually clean, first-rate FM reception. Enjoy it with any Knight-Kit amplifier, or any other quality amplifier—unmistakably your best budget buy!

In addition to its excellent specifications, the tuner also features: superb styling, which is both attractive and functional; printed circuit for ease of assembly; automatic frequency control (AFC) for "lock in" tuning of stations—with disabling feature for tuning in weak stations adjacent to strong stations; pre-aligned RF and IF sections to eliminate any need for adjustment; front ventilation, an integral part of panel design—no perforations in the top or at the sides of the handsome cabinet; easy flywheel tuning that permits you to glide from station to station smoothly and gently; cathode follower output; FM multiplex output for FM stereo broadcasts.

The attractive Cordovan Gray steel cabinet has a control panel finished in Desert Beige and Sand Gold—blends beautifully with any decor. Also includes soft plastic feet that prevent marring furniture—you'll be proud to display the tuner anywhere. Supplied complete with cabinet, all parts, tubes, wire and solder and hardware. World-famous step-by-step instructions and wall-size picture diagrams guide your every move. Assembly is fun and easy—you can't go wrong. Size, 4¼x13¼x8" (plus ⅝" legs). For 105-125 v., 60 cycle AC. Shpg. wt. 13 lbs.

83 YX 931. *$2 Down.* ONLY....... .... 38.95

SPECIFICATIONS

Sensitivity: 4 microvolts for 20 db of quieting.

Hum Level: —45 db (from 1-volt output reference).

Output Voltage: 1 volt at 100 microvolts input, 30% modulation; 2 volts at 1000 microvolts.

Response: ±½ db, 20-20,000 cps.

Controls: Tuning; Function Switch (Off, FM, FM/AFC).

Outputs (2): Amplifier; stereo multiplex adapter which may be wired as tape recording output if desired.

Tube Complement: 6BQ7A, 6BA7, 12AT7, 2—6AU6, 6AL5, 12AU7; also 6X4 rectifier.

knight-kit
HIGH-FIDELITY

ONLY
$39.95
$2
DOWN

18-Watt Monophonic Hi-Fi Amplifier Kit

MORE FOR YOUR DOLLAR IN FEATURES, PERFORMANCE AND STYLING . . . SO EASY TO BUIL

Wide, Smooth Frequency Response from 20 to 30,000 cps

RCA 6973 High-Fidelity Audio Output Tubes for Top Performance

8 Inputs to Accommodate Every Possible Sound Source Required

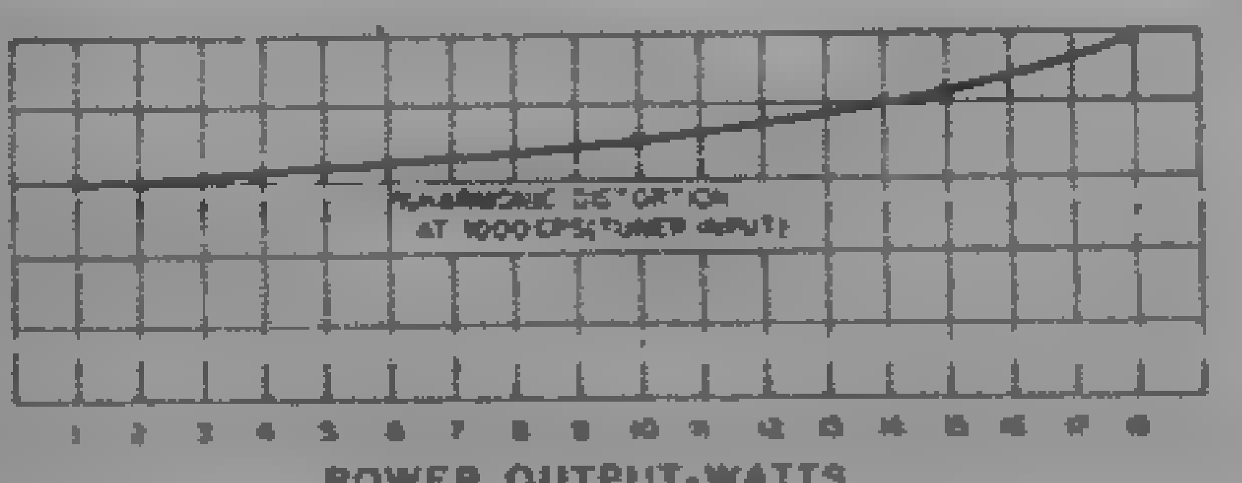
Introducing an all-new, deluxe modern styling for the renowned Knight-Kit 18-watt high-fidelity amplifier kit! Here is an amplifier designed to bring flawless high-fidelity sound into your home at about one-half the cost of comparable commercially assembled units—an excellent unit around which a fine music system can be built. Ideally suited, too, as an "add-on" amplifier for stereo use. Delivers a full 18 watts at a remarkable low 0.5% distortion; employs RCA 6973 hi-fi output tubes.

Two special printed circuit boards contain the wiring for all tubes except the rectifier. Since the major part of the circuitry is on the printed circuit boards, assembly time is reduced to a minimum. Construction is even further simplified by the use of the exclusive Knight-Kit printed circuit switch—a valuable aid to the beginning kit builder. You're sure to find assembly a pleasant and rewarding experience—and you'll be proud of the high quality and strikingly smart appearance of the complete unit.

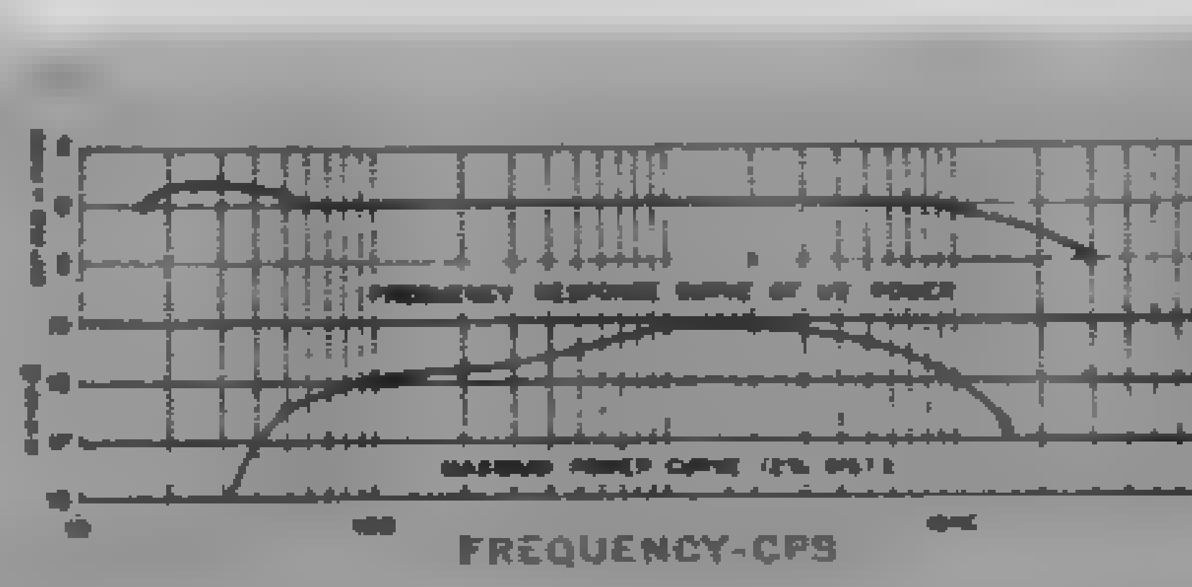
Among the many outstanding features of this fine amplifier are: 7 record equalization settings to compensate for different recording characteristics; separate tape recorder output for recording any program source independently of amplifier controls; equalized input for tape head; four high-gain inputs, four low-gain inputs; AC convenience outlet, etc. Finished in attractive Cordovan Gray with harmonizing Desert Beige and Sand Gold panel to complement any decorative scheme.

With the world-famous Knight-Kit step-by-step instructions and wall-sized picture diagrams, you'll find this top-performing amplifier fun to build—even if you've had no previous electronic experience. Highest quality parts are used—your assurance of dependable service. Kit is supplied complete with tubes, all parts, wire and solder, easy-to-follow instructions. Size: 4¼" high (plus ⅝" legs), 13¼" wide, 8" deep. For 105 to 125 v., 60 cycle AC. Shpg. wt., 15 lbs.

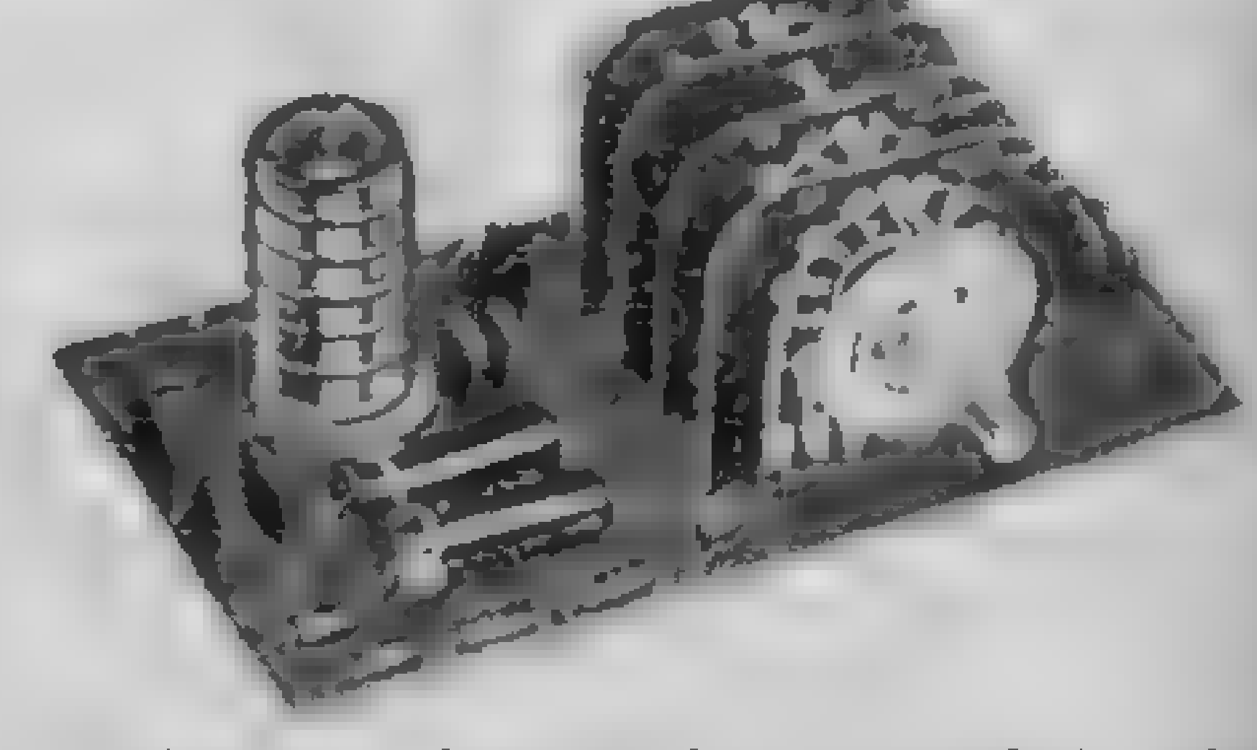
83 YX 930. *$2 Down.* ONLY..39.95



Harmonic Distortion Curve



Frequency Response and Maximum Power



This picture shows the complete cir and parts for the built-in preamp anc clusive Knight-Kit printed circuit selec switch. You simply snap switch printed circuit board, insert leads other parts, and solder. This is just example of the speed and ease which you'll be able to assemble fun-to-build Knight-Kit.

SPECIFICATIONS

Rated Power: 18 watts (36 peak).

Frequency Response: ±1 db, 30,000 cps at half power.

Harmonic Distortion: 0.5% at rated output.

Hum and Noise: Better than 65 below 18 watts (high-level inputs).

Sensitivity (For Full Output): Ta Head and G.E. Phono, 5 mv; Picker Phono, 12 mv; Mic., 35 mv; Aux., 1.8 Ceramic Phono, 0.5 v.; Tape Playe 0.4 v.; Tuner, 1.8 v.

Controls: Selector-Equalizer—M Aux, Tuner, Tape, Magnetic, Ceram NAB Tape Head Equalization, an phono equalization positions (RIA FFRR, NAB, AES, RCA, 500 cps, C Bass; Treble; Off-On/Volume; Ta Head-Phono switch.

Output Impedances: 4, 8, 16 oh

Tubes: 2—ECC83/12AX7; EF86/Z 2—6973/6CZ5; EZ81/6BW4 rectifier.

Features Built-In Equalized Preamplifier for Magnetic Cartridges, Plus Separate Bass and Treble Controls

ONLY
$\$19^{95}$
$\$2$
DOWN

Sensational Value 12-Watt Hi-Fi Amplifier Kit

SPECIFICATIONS

Rated Power Output: 12 watts (24 watts peak).

Response: ±1½ db, 30 to 15,000 cps at half power.

Harmonic Distortion: Less than 1% at full power.

Hum & Noise: Better than 65 db below full power (Tuner input).

Sensitivity (for full power output): Tuner input—1 v.; phono—10 mv.

Inputs: Tuner and Magnetic Phono.

Controls: Bass (9 db bass boost or cut at 40 cps); Treble (9 db treble boost or cut at 10 kc); Tuner-Phono switch; Volume; Off-On switch.

Negative Feedback: 15 db.

Output Impedance: 4, 8 and 16 ohms.

ABSOLUTELY UNSURPASSED FOR HI-FI QUALITY AT LOW COST

Perfect for Monophonic Systems or Low-cost Conversion to Stereo

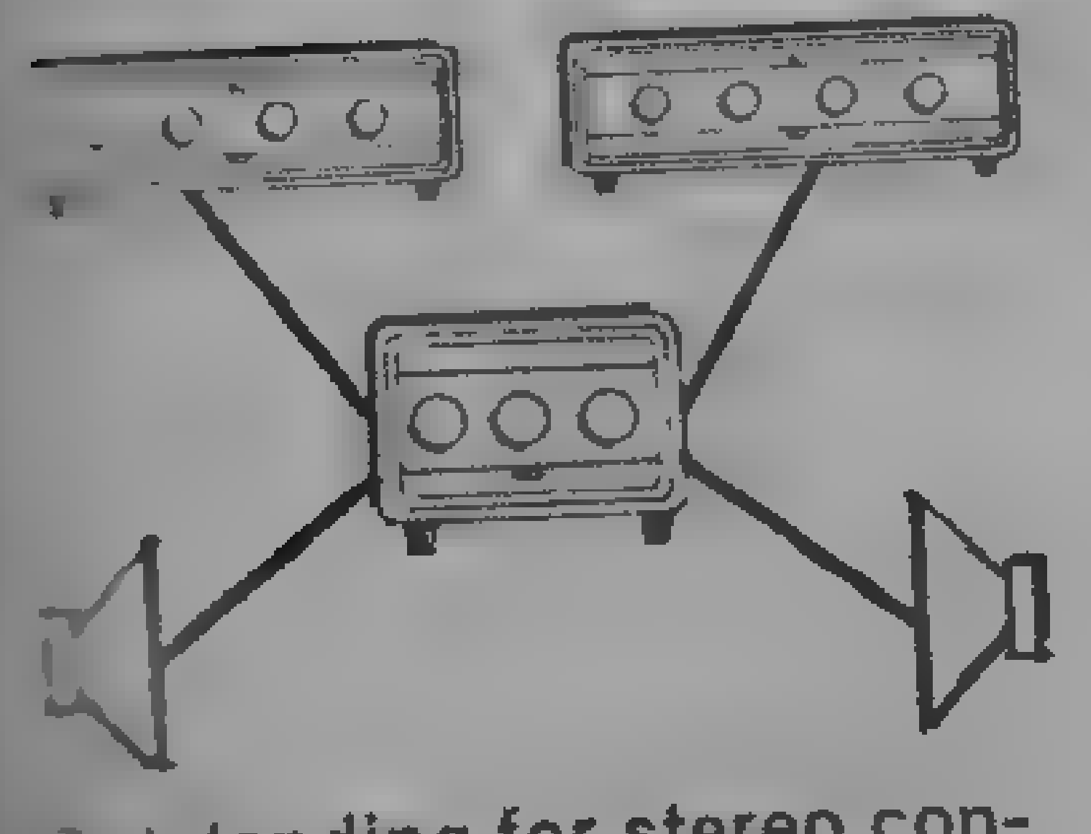
Employs Push-pull EL84 High-Fidelity Audio Output Tubes

15 db of Negative Feedback for Remarkably Clean Reproduction

Anyone can build it—everyone can afford it! Exceptionally compact yet custom-engineered for quality, the famous Knight-Kit 12-Watt Amplifier represents a superlative hi-fi value. Features push-pull EL84 output tubes for smooth, clean audio over the entire audible range. 15 db of inverse feedback assures exceedingly low distortion, while noise and hum have been reduced to the vanishing point. Includes inputs for phono and tuner; a preamp stage equalized for magnetic cartridges; and separate bass and treble controls for complete control of tonal color. For economical conversion to stereo, use this low-cost unit in conjunction with any other monophonic amplifier. For added convenience, incorporate the stereo control kit, below. Unit is supplied complete with all parts, wire and solder, and world-famous Knight-Kit easy-to-follow, step-by-step instructions. Smart black finish. Less cover, below. Size, 5x9½x6". For operation from 110-125 volts, 60 cycle AC. Shpg. wt., 7¼ lbs.
83 Y 784. *$2 Down.* ONLY 19.95

METAL COVER FOR ABOVE. Attractive French-gray and chrome-trimmed perforated cover. Size, cover plus amplifier, 5¼x9½x6". Shpg. wt., 2 lbs.
83 Y 783. ONLY 3.95

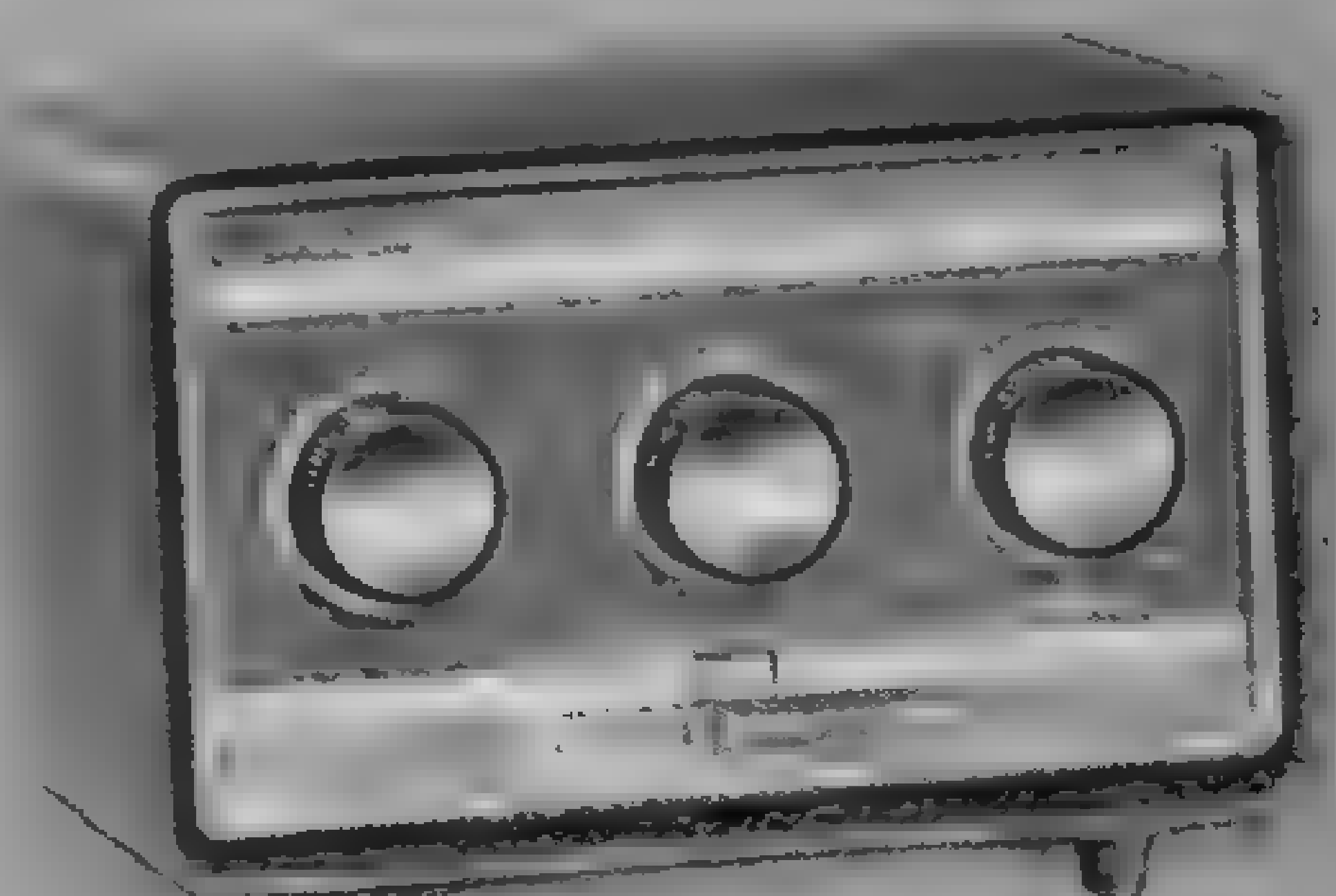
Universal Control Kit for Stereo Conversion



Outstanding for stereo conversion! Puts any mode of operation—stereo or monophonic—at the listener's fingertips. Connects in minutes between speakers and monophonic amplifiers—absolutely no rewiring of amplifiers is necessary!

ONLY
$\$12^{95}$

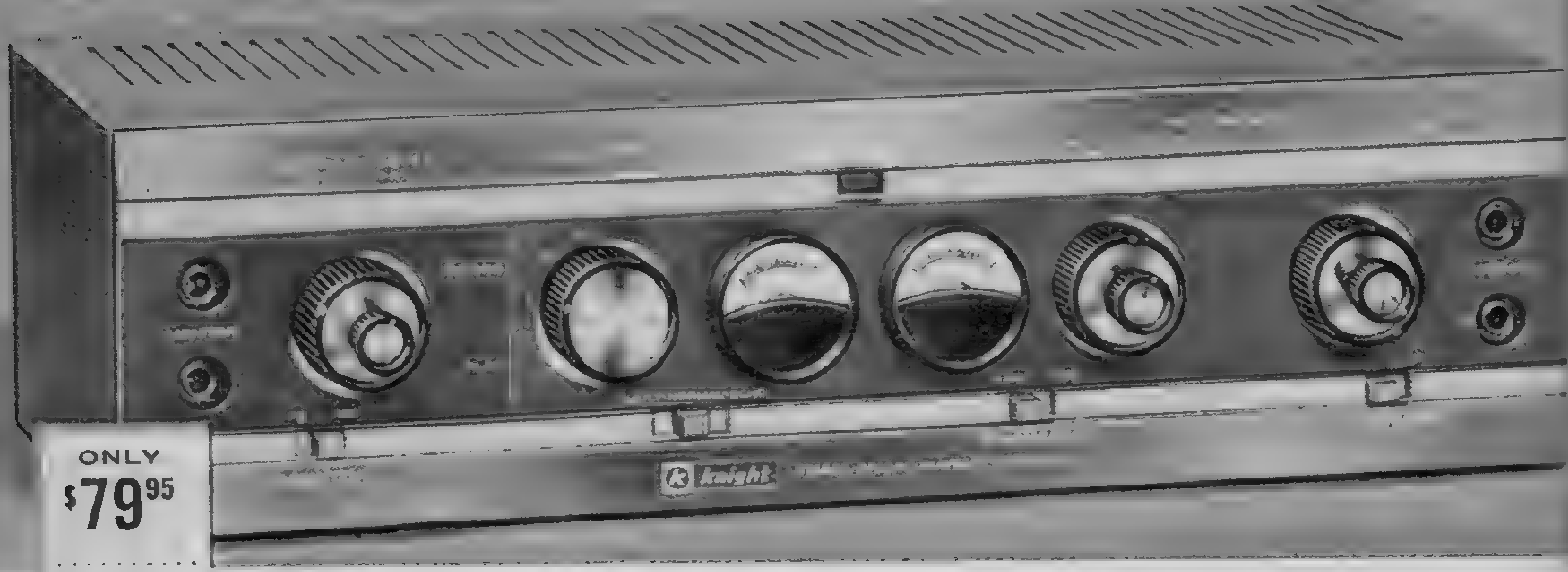
For easy centralized control of any stereo system using separate monophonic amplifiers. Handles up to 20 watts of program material. Controls: Volume; Balance; Selector (Stereo, B-Channel, B-Monophonic, Channel Reverse, A-Channel, A-Monophonic); Phase Reverse. Lets you balance speakers; serves as master volume control; allows playing either channel monophonically; permits channel phasing and channel reverse. Smart Cordovan Gray case with Desert Beige and Sand Gold front panel. 4¼x7¾x4". Shpg. wt., 3½ lbs.
83 Y 932. ONLY 12.95



Knight-Kits Are An Exclusive Product of Allied Radio Corp.

knight-kit
STEREO HI-FI

New Deluxe Stereo Tape Recording



ONLY
$79.95

$5
DOWN

Stereo Tape Record-Playback Preamp Kit

COMPLETE RECORD-PLAYBACK PREAMP FOR ANY 2 OR 3 HEAD STEREO TAPE TRANSPORT

- Contains Separate, Dual-Channel Recording and Playback Preamplifiers
- Provides "Sound-on-Sound" and "Echo" with 3-Head Transports
- VU Meters—Tape-Source Monitoring—Adjustable Bias & Erase Voltages

Announcing another Knight-Kit-pioneered "first"—a complete, ultra-versatile stereo record-playback preamp in a single, compact unit! Designed for universal use, it actually provides highest quality *recording* as well as playback performance with *any* stereo tape transport—ideal for use with the Knight Stereo Tape Transport on opposite page. In a class with professional-type equipment costing far more, this expertly engineered unit incorporates a superlative array of features. Concentric clutch-type microphone and auxiliary recording level controls permit individual channel regulation plus master gain adjustment—also provide mixing of mike and aux inputs on each channel. Accurate VU meters read recording level of each channel at a glance. 6-position selector switch chooses left channel, right channel or stereo record and playback functions—permits A-B switching to compare left and right channel recorded material, etc. Also incorporates concentric clutch controls for playback volume and balance.

When used with 3-head transports, flexible front panel switch allows "sound-on-sound" multiple recording—also permits "echo-chamber" effect to be added during recording. Playback level controls regulate strength of echo effect. Individual adjustment is provided for bias and erase voltages on each channel—assures exact matching of preamp to any tape heads (supplied pre-adjusted for Knight Stereo Tape Transport on opposite page; with instructions for matching to other heads). Has equalization switch on front panel for 7½ and 3¾ ips speeds. Equalizes in both playback *and record* functions to insure full tonal response—even at the slower 3¾ ips speed! Also has A-B monitor switch for comparing tape with source. Printed circuitry assures easy, accurate assembly. Extruded aluminum panel in Desert Beige and Sand Gold. Complete with wire and solder; less case, below. 4⅛ (plus ⅝" legs) x 15½x9". Knobs extend 1¼". For operation from 105-125 volts, 60 cycle AC. Shpg. wt., 15 lbs.

83 YX 929. *$5 Down.* ONLY....................79.95

83 YX 936. Metal Case for Above. Shpg. wt., 5 lbs. ONLY............4.95

SPECIFICATIONS

Preamplifiers Only

(The following are specifications independent of transport).

Response: ±2 db, 18-22,000 cps.

Harmonic Distortion: Record preamps, less than 0.3% at maximum recording level; playback preamps, less than 0.3% at 2 volts output.

Input Sensitivity (for maximum record level): 0.5 mv at microphone inputs; 80 mv at auxiliary inputs.

Equalization: NAB at 7½ ips (playback). Internal adjustment permits matching any recording head to produce NAB equalized tapes. Separate equalization for 3¾ ips recordings.

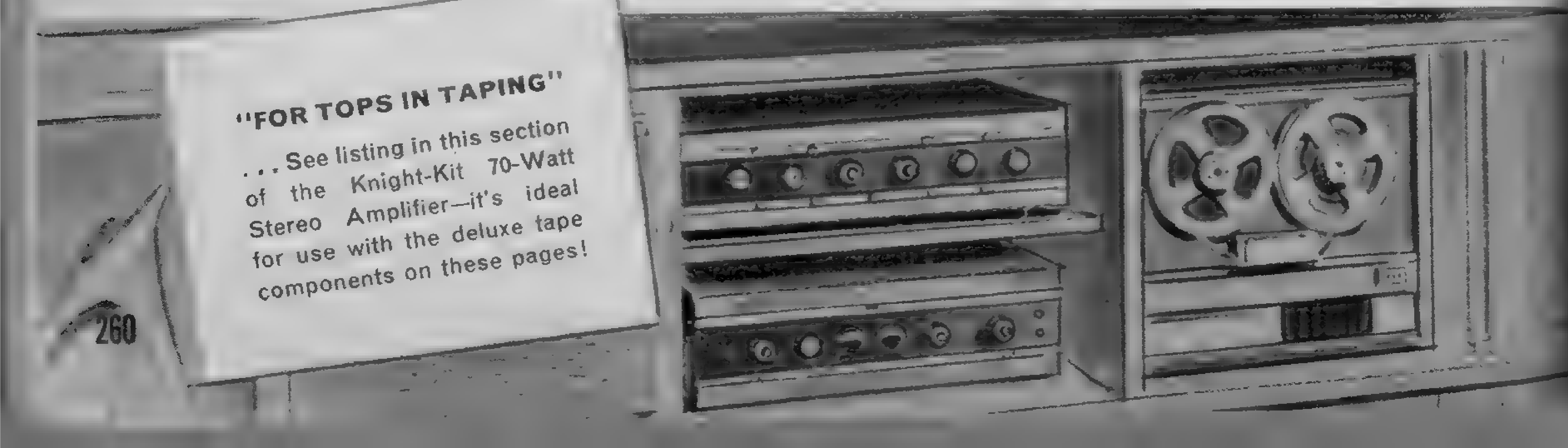
Bias Oscillator: 100 kc. (Voltage or current internally adjustable to match any head).

Tubes: 4—12AX7; 4—12AT7; 12AU7.

Overall Record-Playback with Knight KN-4000 Tape Transport

Frequency Response: ±2 db, 25-19,000 cps at 7½ ips; ±2½ db, 25-13,000 cps at 3¾ ips.

Hum & Noise: Better than 52 db below peak recording level.

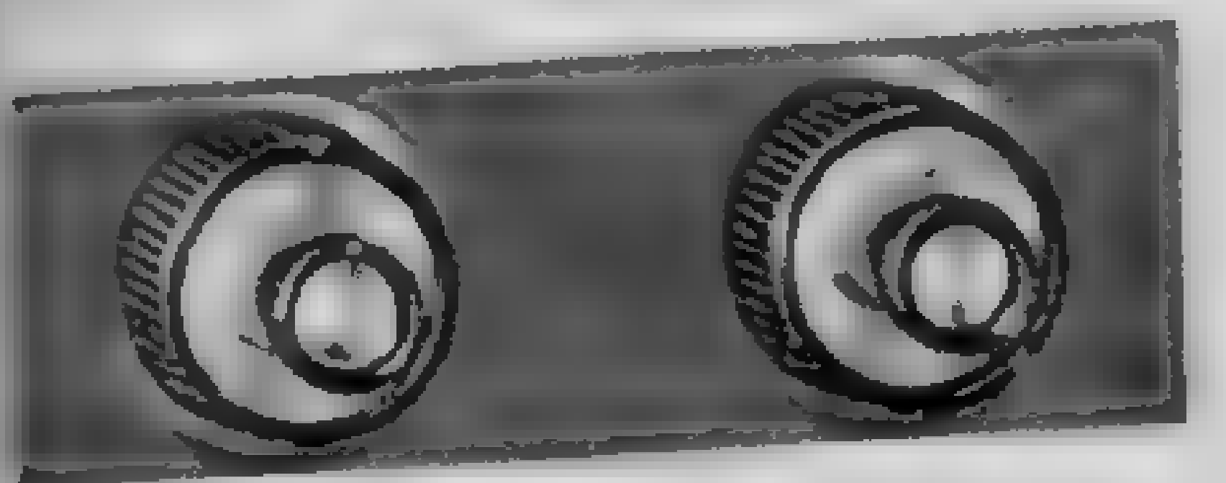


"FOR TOPS IN TAPING"

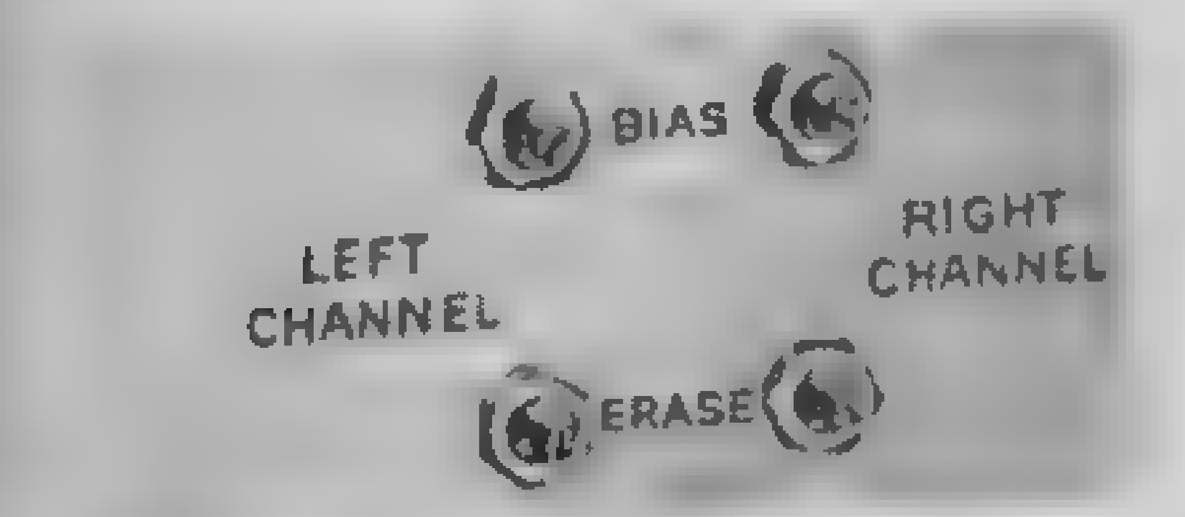
. . . See listing in this section of the Knight-Kit 70-Watt Stereo Amplifier—it's ideal for use with the deluxe tape components on these pages!

System Components

PACKED WITH "PLUS" FEATURES LIKE THESE:



Clutch Controls. Provide mixing of Mike and Aux inputs on each channel, channel balance, and master gain adjustment during recording.

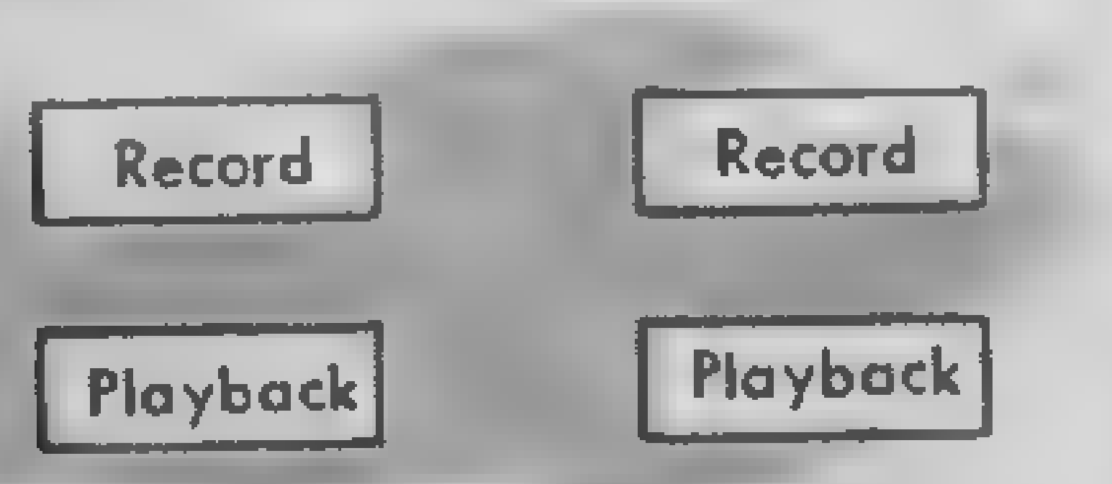


Adjustable Bias and Erase Voltages. Matches preamp to heads on any tape transport.

Tape-Source Monitor Switch. Switches between source signal and playback head for direct quality check.

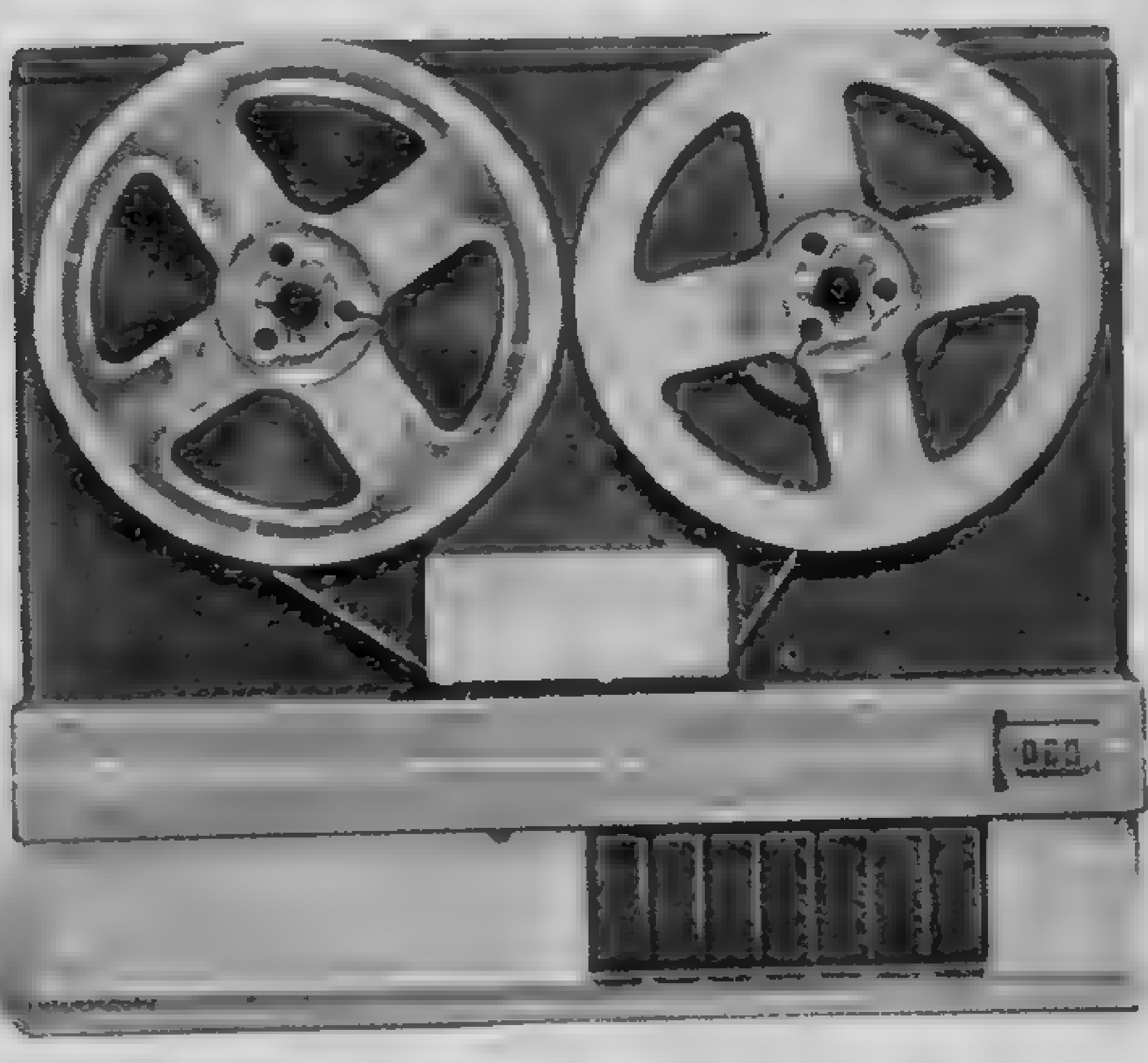
"Sound-On-Sound". Special switching permits duplicating recordings from channel to channel—adding another "part" each time. Sing duets with yourself—perform to the accompaniment of your favorite band—etc. It's a whole new world of fun!

"Echo Chamber". Professional-type echo effect may be switched in at any time to enhance your recordings.



"4-In-1" Design. Actually contains 4 complete preamp sections —2 record and 2 playback—for maximum stereo recording and playback flexibility.

Quality Stereo Tape Recording



Knight KN-4000 Stereo Tape Transport

3 HEAVY-DUTY 4-POLE MOTORS . . . 3-HEAD OPERATION

Provides 4-Track Stereo and Monophonic Erase, Record, and Playback

Provides Up to 8 Hours of Monophonic Recording on a 7" Reel of Tape

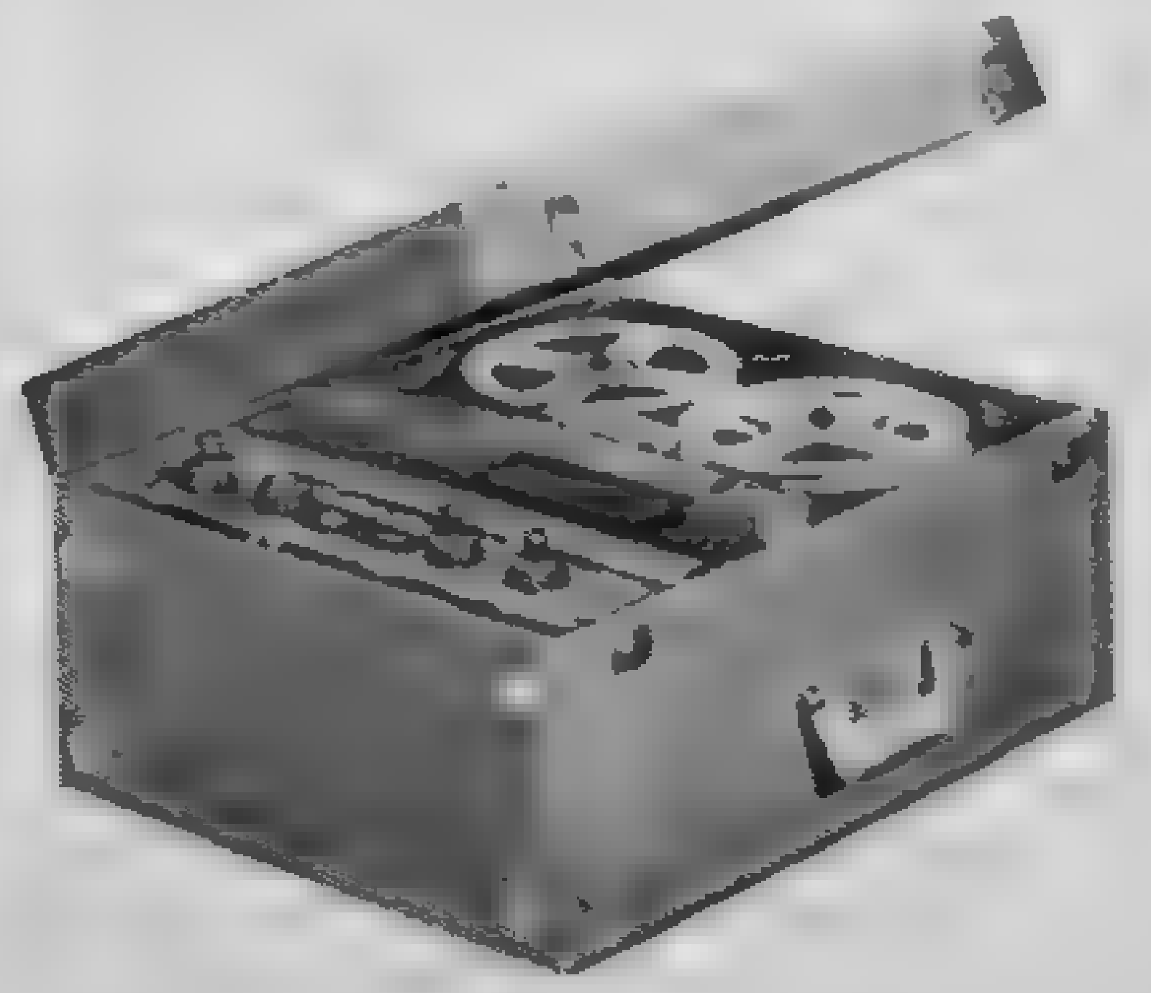
ONLY
$134⁵⁰
$5
DOWN

An all-new, highly-versatile stereo tape transport that brings you professional-type operation and performance at an amazingly low price! Combining handsome styling with outstanding quality and ease of operation, this superlative unit is ideal for use with the Knight-Kit Universal Stereo Tape Recording Preamp (listed on preceding page).

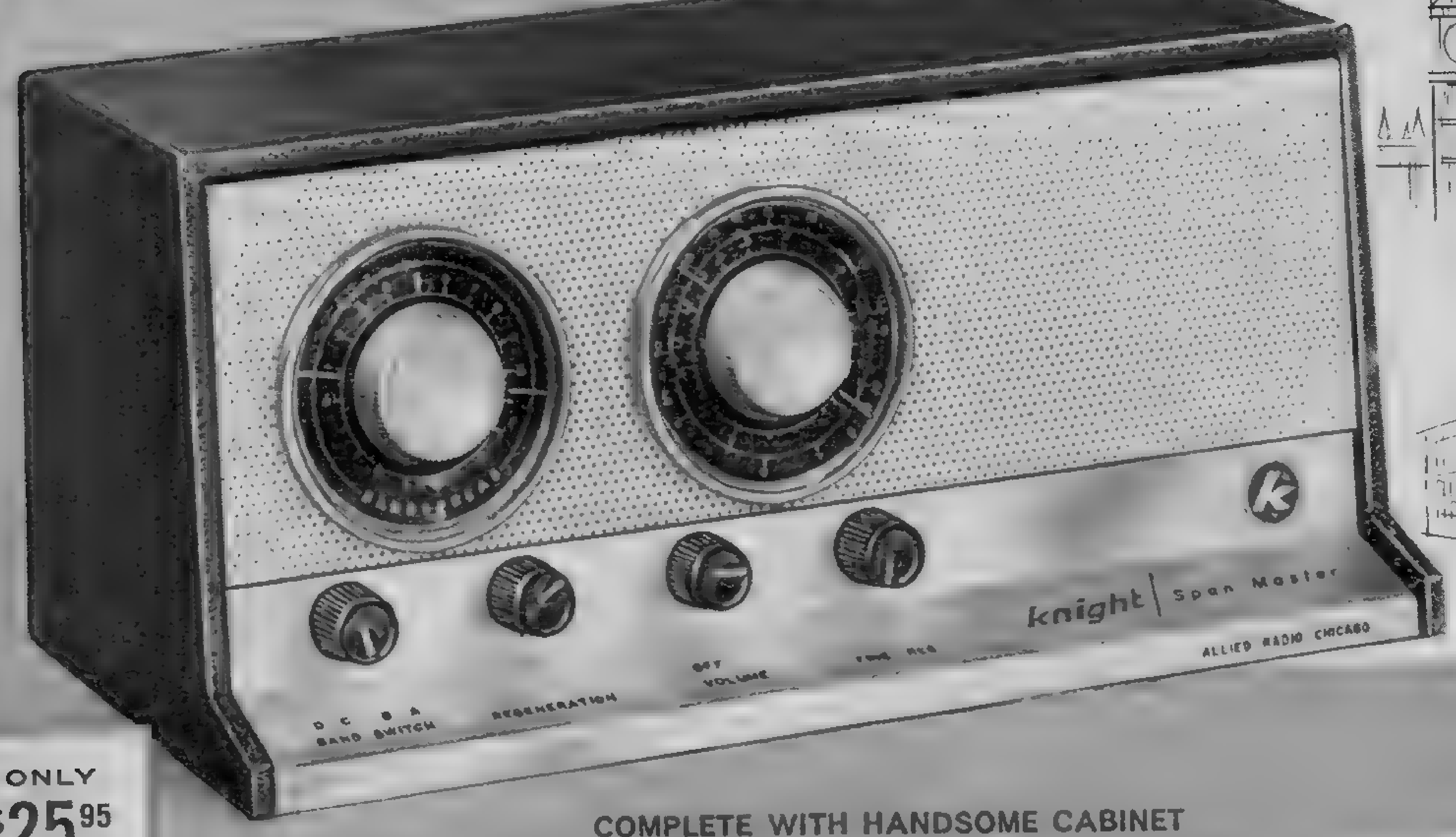
Dependable, precision-built drive mechanism incorporates 3 separate motors—2 direct-drive spooling motors and idler-wheel capstan motor. DC dynamic braking is employed on spooling motors for smooth, sure stops without spilling or breaking tape—even at fast forward and reverse. All mechanical functions of the tape transport are controlled by seven convenient "keyboard" type controls. Functions include speed selection (7½ and 3¾ ips), Off, Run, Fast Forward, Reverse, and Standby. Standby control disengages idler from capstan but leaves capstan motor in operation for instant starting for either record or playback function.

Features separate 4-track erase, record, and playback heads—the same head configuration used in professional recording units. Plays 4-track stereo tapes through any amplifier equipped with tape head inputs. In conjunction with the Knight-Kit Universal Stereo Recording Preamp (opposite page), this feature permits both stereo and monophonic 4-track record and playback (not 2-track) as well as thrilling special effects -"sound-on-sound," "echo-chamber" recordings, etc. In addition, the separate playback and record head arrangement lets you monitor from the playback head while recording. You know exactly how your finished tape will sound!

Employs convenient digital-type tape counter to "pinpoint" recordings—resets to zero with handy thumb-wheel. Flutter, less than 0.25% at 7½ ips. Attractively styled in Desert Beige and Sand Gold —top plate covered in durable, bonded vinyl. Less record-playback preamp. 13½x15¼x7". For 110-120 v., 60 cycle AC. Shpg. wt., 23 lbs.
35 DU 709. *$5 Down.* **ONLY**........................134.50



PORTABLE CASE. Highly attractive portable carrying case for Knight Stereo Tape Transport, above, and Knight-Kit Universal Stereo Tape Recording Preamp (opposite page). Durable wood construction—contrasting, two-tone cream and beige styling. 20x16½x11½". Shpg. wt., 20 lbs.
35 DU 783. ONLY........24.95



COMPLETE WITH HANDSOME CABINET

ONLY
$25^95
$2
DOWN

Fabulous "Span Master"® 4-Band Receiver Kit

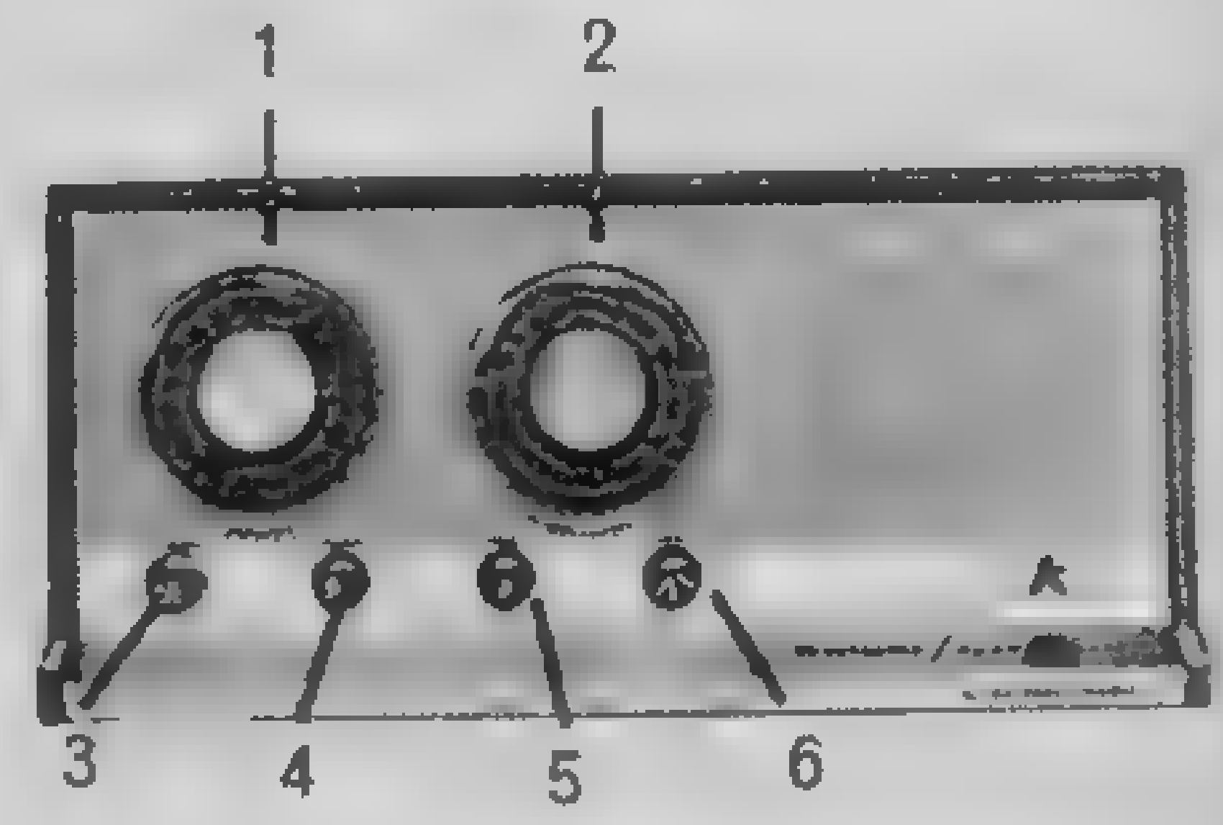
THRILL TO EXCITING SHORTWAVE LISTENING

Complete AM Broadcast and Shortwave Coverage from 540 KC to 30 MC	Four Tuning Ranges Plus Convenient Bandswitch Range Selector	Peak-Efficiency Tube Performance Provided by AC, Transformer Power Supply

The "Span Master" is much more than just a receiver kit—it's actually your passport to a hobby that will fill your leisure time with new adventures in shortwave listening every time you operate its controls. Its highly efficient, 4-band regenerative circuit provides thrilling world-wide reception plus favorite local broadcasts. Easy to assemble and fun to operate, the "Span Master" brings a new world of listening pleasure into your home. You can tune in on fascinating foreign broadcasts, listen in on ships-at-sea and aircraft—and receive exciting Amateur stations on the 80, 40, 20, 15 and 10 meter bands. Whether you're a beginner or have had years of electronic experience, you'll find the operation of this beautifully performing unit a rewarding experience.

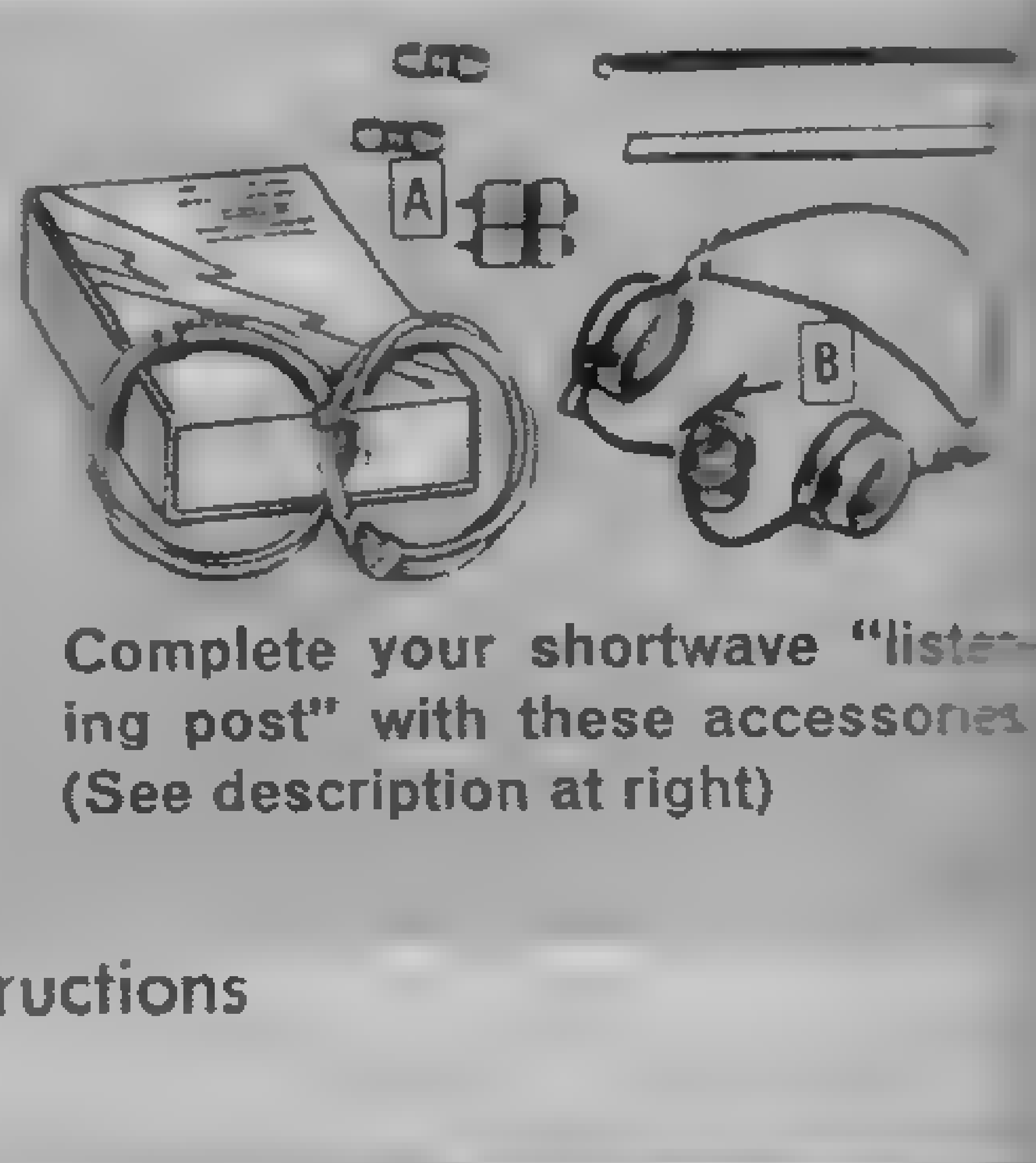
The heart of this peak-performing receiver is its expertly engineered, exceptionally sensitive regenerative circuit. Bandspread dial and fine regeneration control simplify tuning—provide excellent high-frequency reception Coils for each tuning range have their own antenna windings to assure maximum sensitivity. Controls: calibrated Main Tuning; Bandspread Tuning; Bandswitch; Volume; Coarse and Fine Regeneration. Also has headphone terminals and speaker cut-out switch to permit private headphone reception if desired. Power transformer for highly efficient tube operation. Employs a 6BZ6 detector and a dual-purpose 6AW8A tube which serves as an audio and power amplifier; also selenium rectifier.

A listing of foreign broadcasting stations included with this kit is a valuable aid in tuning in on transmissions from all over the world. In addition, the instruction manual includes the International Morse Code to help you learn to receive radiotelegraph messages sent by press stations, Amateurs, government stations, etc. Supplied with pyroxylin-covered cabinet, tubes, speaker, wire and solder, all parts, and step-by-step instructions. Less antenna, listed at right, below. Size, 6¼x14x6¾". For operation from 105-125 volts, 60 cycle AC. Shpg. wt., 8 lbs.
83 YX 258. Complete with Cabinet. *$2 Down.* ONLY................25.95



THESE CONTROLS MAKE TUNING SURE AND EASY

1 Main Tuning—provides fast, general-coverage tuning on any of the four bands.
2 Bandspread Tuning—simplifies tuning of crowded shortwave stations.
3 Bandswitch—saves time; no coils to change.
4 Regeneration—may be set for voice or code.
5 Volume—includes built-in Off-On switch.
6 Fine Regeneration—for precision adjustment.

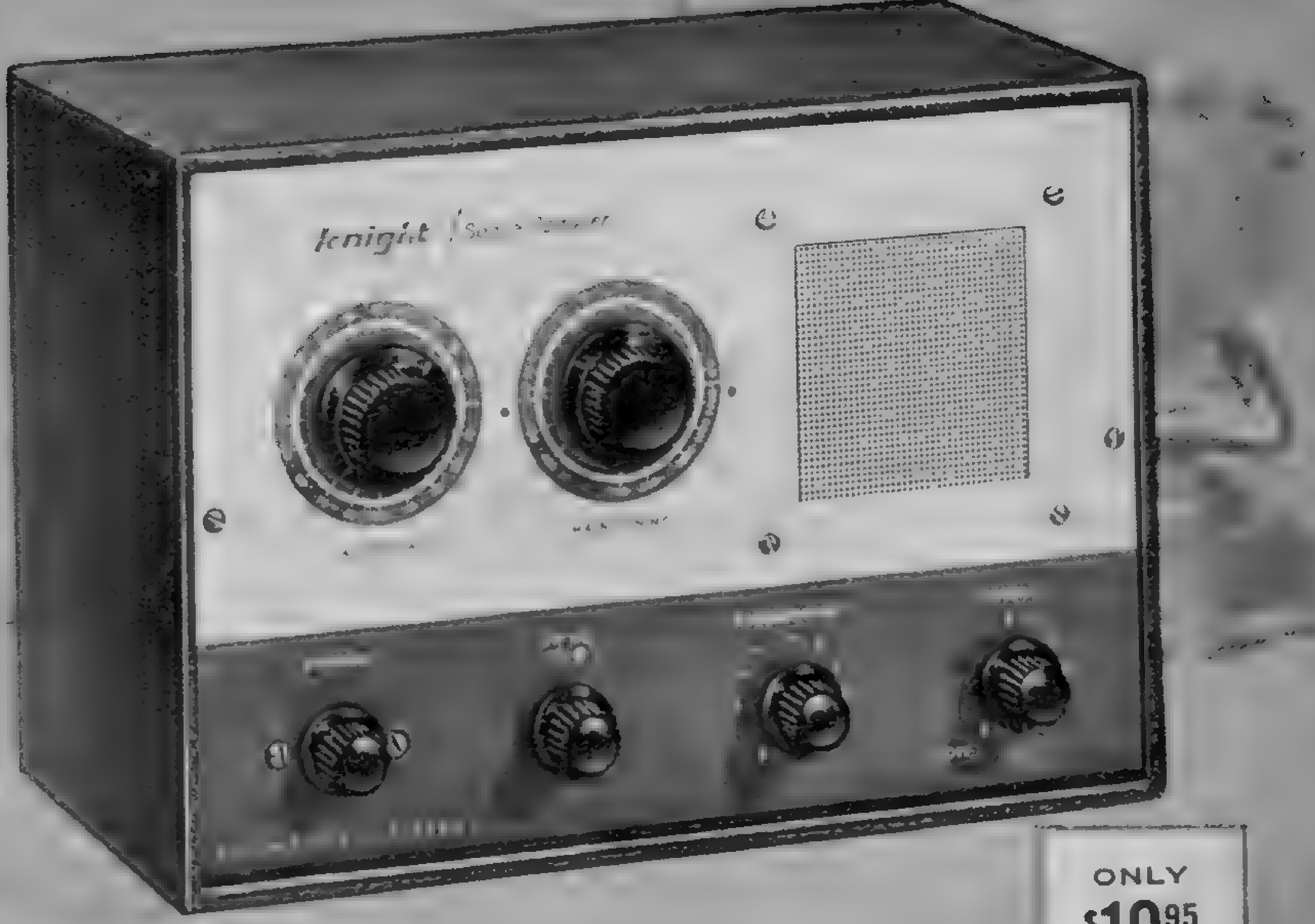


Complete your shortwave "listening post" with these accessories
(See description at right)

COMPLETE WITH CABINET

LOG THE WORLD!

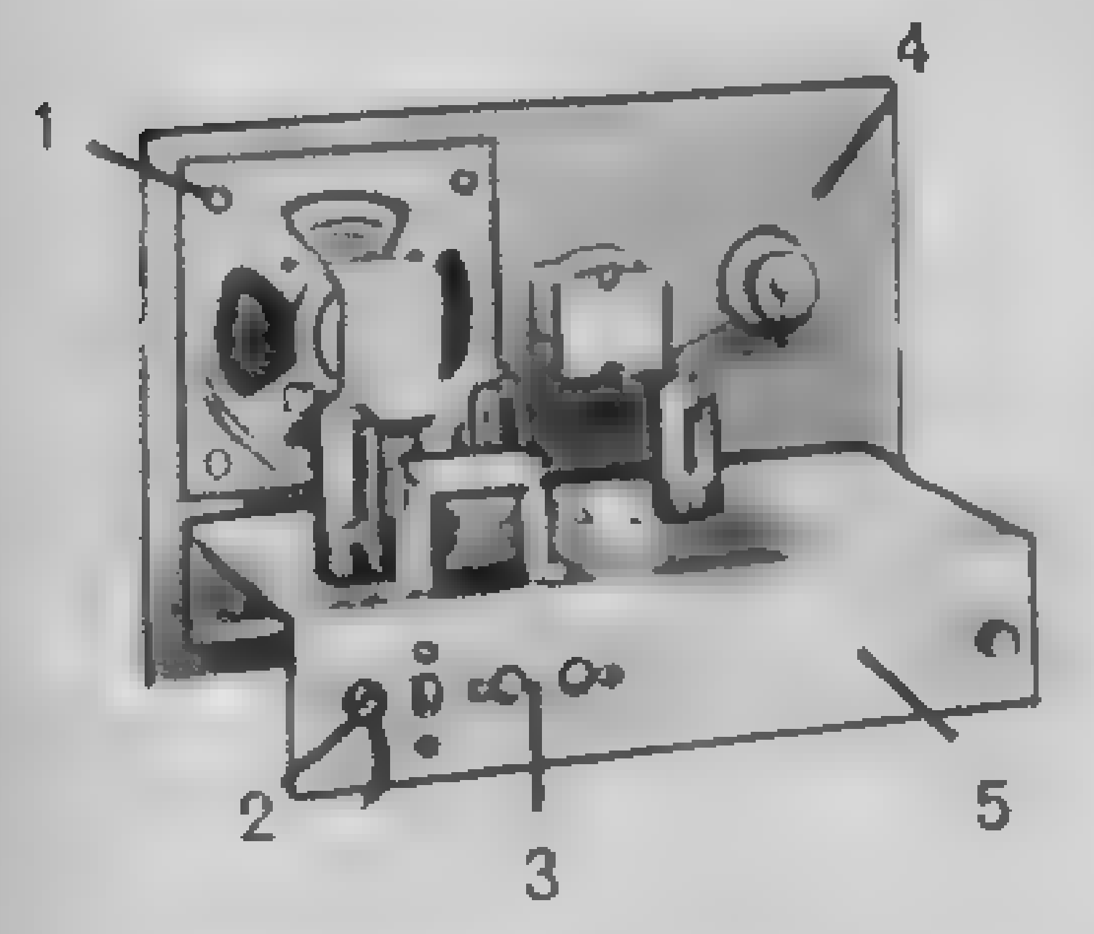
ch of the highly popular ght-Kit receivers shown on ese pages is supplied with scinating list of short-wave tions from all over the world. u'll spend countless fun-filled urs "logging 'em in" and mparing your log sheets with ends.



ONLY
$19.95
$2
DOWN

amous Low-Cost "Space Spanner"® 2-Band Receiver Kit

THRILLING WORLD-WIDE SHORTWAVE RECEPTION



STANDOUT FEATURES

1. Built-in 4" speaker.
2. Speaker-Headphone switch
3. Headphone connectors.
4. Bandspread capacitor.
5. Spacious chassis—plenty of room to work in.

U BE THE JUDGE OF VALUE

der any Knight-Kit and examine it. If are not completely satisfied, return or full refund less only transportation.

A] **ANTENNA KIT.** 50' of antenna wire, 25' lead-in, insulators, etc. 1½ lbs.
83 Y 100. NET 1.03

B] **HEADSET.** High-quality 2000-ohm headset for "Span Master" or "Space Spanner". 12 oz.
59 Y 110. NET 2.00

Covers Shortwave from 6.5 to 17 mc and AM Band from 540 to 1700 kc

Built-in 4" Full-toned Speaker—Efficient Beam-Power Output

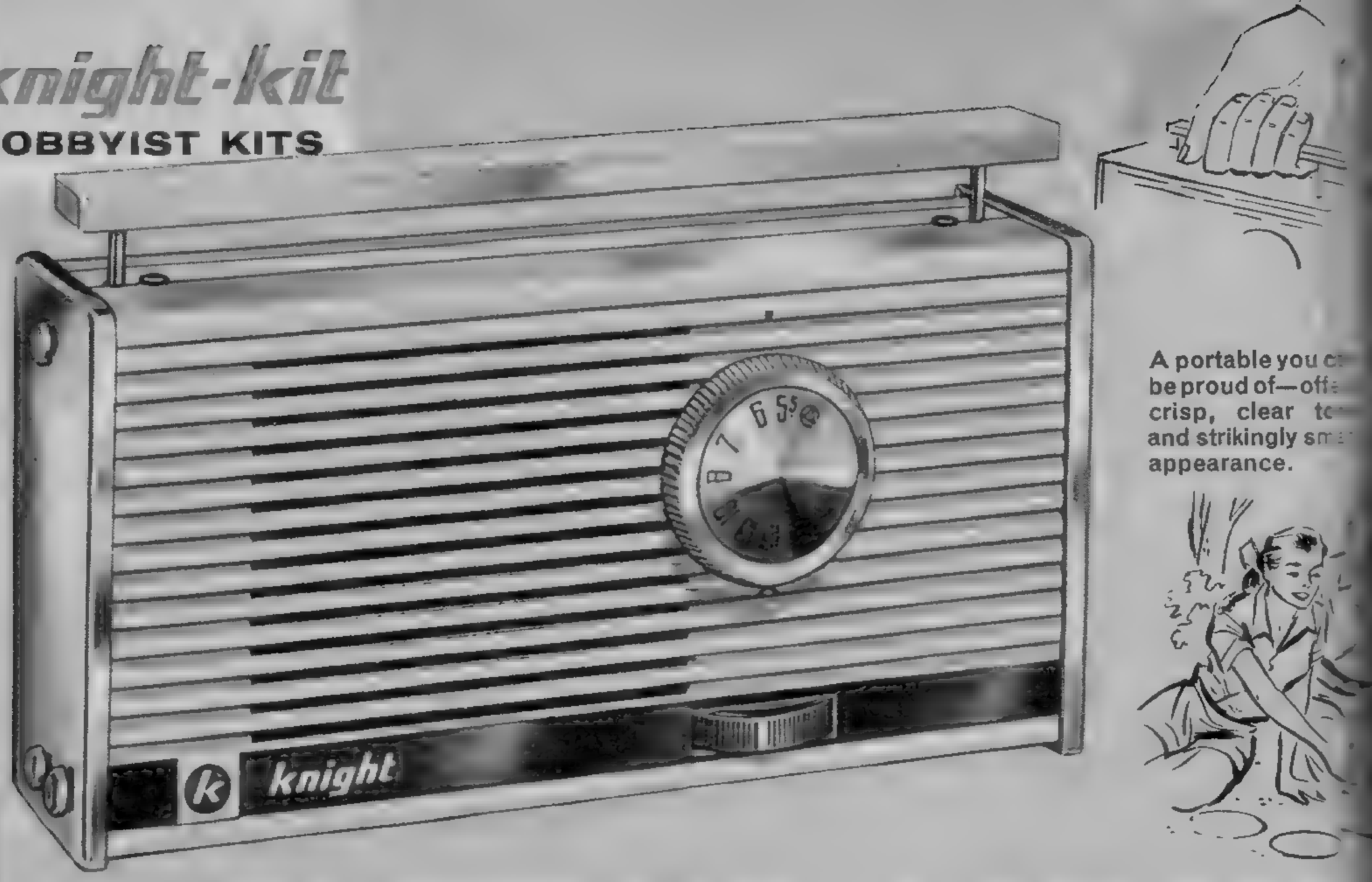
Sensitive Regenerative Circuit Pulls in Distant Stations with Ease

Imagine the thrill of hearing broadcasts from overseas on a short-wave receiver you've built yourself! Then, just flip a switch to tune in your favorite local programs. It's like having a private "ear to the world"! The sensitive "Space Spanner" circuit—acclaimed by thousands of enthusiastic owners—tunes short-wave from 6.5 to 17 megacycles, bringing you the 40 and 20 Amateur bands, international broadcasts, plus maritime and aircraft communications. You'll spend hour after fun-filled hour logging exciting broadcasts from every corner of the earth. Standard broadcast coverage is complete—from 540 to 1700 kilocycles.

Building the "Space Spanner" is an ideal way to learn about radio—and an economical way to own a fine receiver. You'll enjoy working from the clear, detailed instructions supplied. Big picture diagrams show you exactly where to put every part; an 8-page section explains the principles of radio, and shows you how to get the most from your "Space Spanner".

The radio itself is loaded with features: headphone connectors on rear panel allow private listening; speaker cut-out switch provides instant control for private or non-private listening. Built-in 4" PM speaker and 50C5 beam power output tube deliver plenty of volume; sensitive circuit employs 12AT7 regenerative detector and audio amplifier; 35W4 rectifier tube. Six controls allow precise, accurate tuning: Band-spread, Main Tuning, Antenna Trimmer, Bandswitch, Regeneration, and Volume.

Everything is considered to help make the building of the "Space Spanner" a rich, rewarding experience—you'll find assembly a marvel of simplicity. Kit is supplied complete with all parts, tubes, cabinet, wire, solder and easy-to-follow step-by-step instructions. Sturdy wood cabinet has gray pyroxylin covering. Size (HWD), 7⅞x11x5⅝". Less antenna, headphones (see listings at left). For operation from 105-125 volts, 50-60 cycle AC or DC. Shpg. wt., 6¾ lbs.
83 Y 259. Complete with Cabinet. *$2 Down.* **ONLY** 19.95



A portable you c
be proud of—off
crisp, clear to
and strikingly sm
appearance.

ONLY
$\$25^{95}$

$\$2$
DOWN

Latest-Design 5-Transistor Portable Superhet Radio Kit

WITH RCA DRIFT-FIELD TRANSISTORS FOR EXTRA SENSITIVITY

- Modern-Design Printed Circuitry Makes Assembly Fast, Easy and Fun
- Push-Pull Output and 3½" PM Speaker Provide Full-Toned "Big-Set Sound"
- RCA Drift-Field Transistors Provide Better-Than-Ever Sensitivity
- Handsomely Styled High-Impact Case Has Handy Pull-Out Top Handle

Precision-engineered and neatly styled, this up-to-the-minute portable easily ranks with the best of battery-operated radios. Its smart appearance and big-set performance will make you proud to own it—and even more proud to have built it yourself. Pull-out handle and 22-ounce carrying weight make this personal portable easy to carry wherever you go.

Outstanding features include: RCA drift-field transistors and other premium quality component parts, to give you the high sensitivity and top performance you'd expect only from expensive, factory-wired models; Class B push-pull audio output stage, for crystal-clear voice and faithful music reproduction; built-in ferrite loopstick antenna, to bring you top-notch reception indoors and out; phone jack output, to permit private listening with optional earphone. Extremely efficient circuit design has very low battery drain, for longer playing time. Uses popular 9-volt flat battery, available everywhere. For maximum playing time, use mercury battery listed below. The advanced-design printed circuit board makes assembly fast, accurate and easy for you. You'll build this fine kit quickly and easily—with only a few basic tools. You'll have fun building it—and you'll enjoy its big-set quality performance.

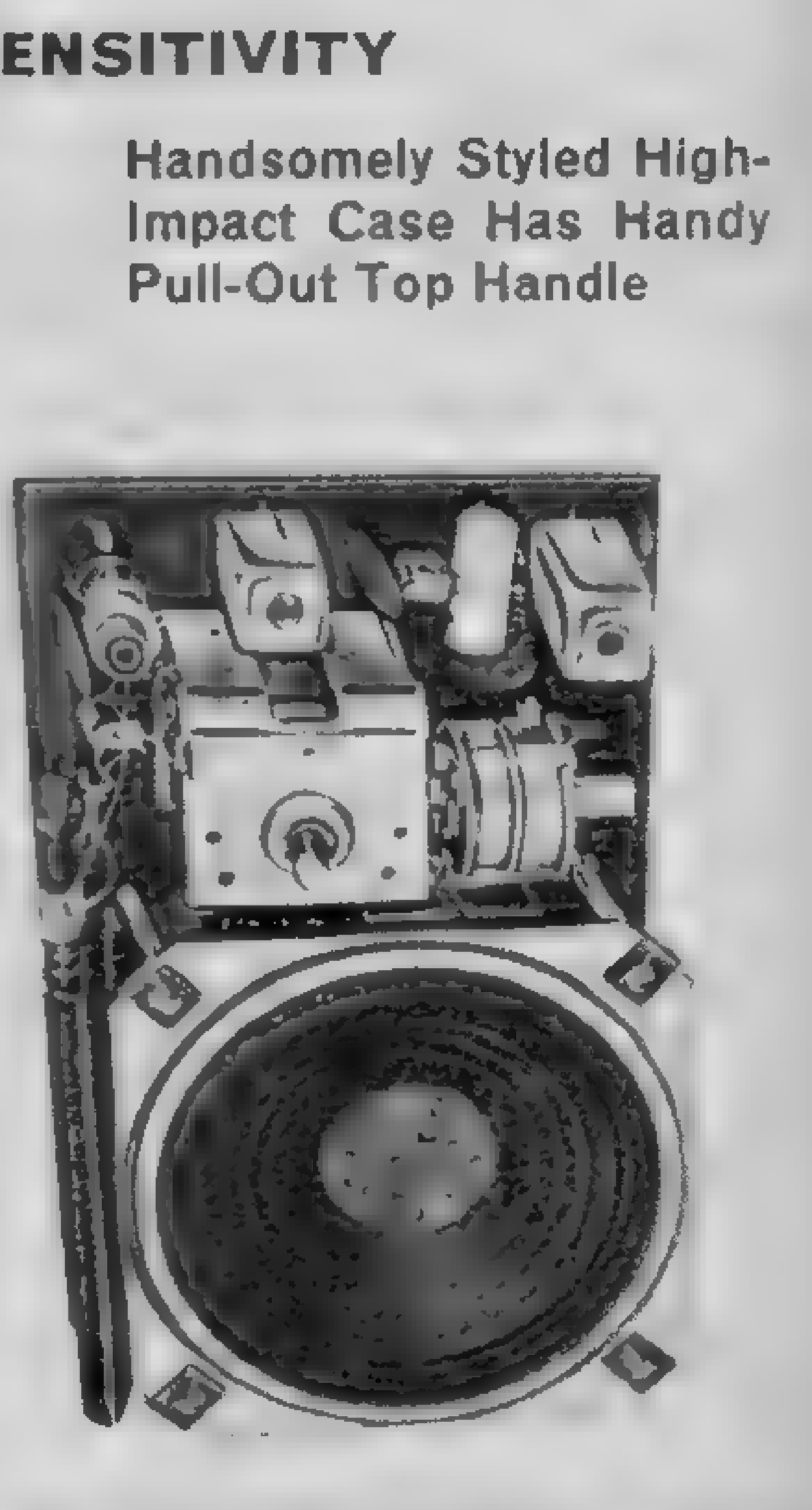
Attractive new high-impact case is virtually unbreakable. Styled in eye-pleasing ivory, with ebony black panel trim and gleaming satin-gold finished endplates. Two controls: Off-On/Volume and Tuning. Volume control is handy, recessed thumbwheel. Size, 3¾x8x2". Complete with all parts, wire, solder, easy-to-follow instructions and wall-size diagrams. Less battery and earphone, below. Shpg. wt., 2¼ lbs.
83 Y 922. *$2 Down.* **ONLY**......................................25.95

83 Y 925. Standard 9-v. Battery. For above. Shpg. wt., 4 oz. **NET**.....95c
83 Y 926. 9-v. Mercury Battery. Extra-long life. 4 oz. **NET**.......1.74

59 Y 198. Earphone. For private listening with above transistor portable. Equipped with cord and plug. Shpg. wt., 5 oz. **NET**..........1.57

MAGNETIC DASHBOARD RADIO MOUNT

Make an auto radio out of your Knight Kit Transistor Portable. Handy mount magnetically holds radio securely on dashboard or other steel surface. Easy to use—no screws or bolts. Shpg. wt., ½ lb.
59 R 946. NET......................................2.97



LATEST PRINTED CIRCUIT FOR EASY ASSEMBLY

Improved, modern printed circuitry and neat chassis layout reflect the painstaking care devoted to the design of this fine portable. RCA drift-field transistors in the RF circuitry assure remarkably good sensitivity—push-pull output and 3½" speaker provide clear sound reproduction. Printed circuit board makes assembly a fast, easy and pleasant operation. You'll be proud of this portable's big-set performance.

YOU BE THE JUDGE . . .

Order the Knight-Kit of your choice and examine it. If you are not completely satisfied in every way—return the kit for full refund of your entire purchase price.

Includes Earphone and Built-In Antenna

ONLY
9^{95}

2-Transistor Radio Kit

FUN-TO-BUILD POCKET RADIO

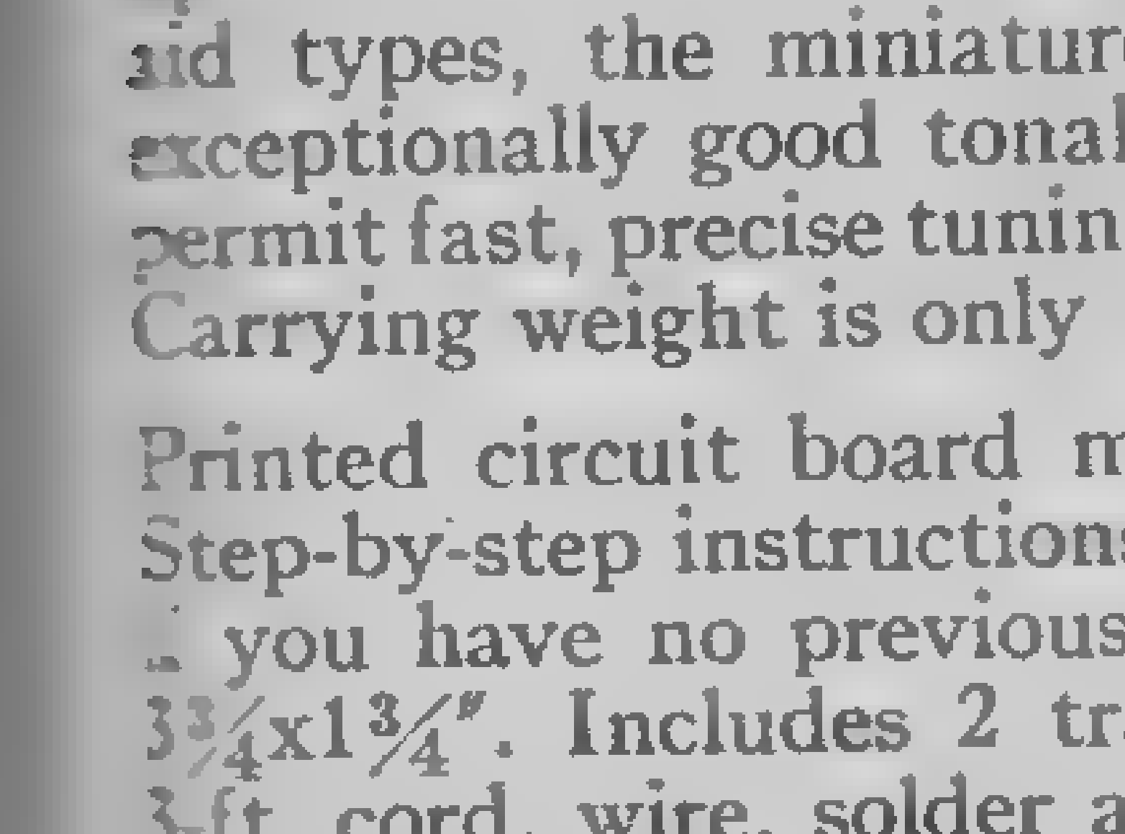
Lightweight Pocket-Size Portable Radio	Efficient-Design 2-Transistor Printed Circuit	Easy-to-Follow Step-by-Step Instructions

You'll find dozens of uses for this low-cost 2-transistor radio. Carry it wherever you go—it's perfect for baseball and football games, picnics, hikes and other outdoor activities, as well as private listening at home. This efficient little set fits easily in your pocket—button-down flap lets you suspend it from your belt, leaves your hands free.

Extremely efficient reflex-type 2-transistor circuit actually does the work of 3 transistors. Transistors use very little power, so you'll get months of dependable service from the single long-life battery (listed below). Works beautifully from the built-in high-gain, ferrite-core antenna—no external antenna is required to pick up local stations. Patterned after professional hearing-aid types, the miniature dynamic earphone provides exceptionally good tonal quality. Two simple controls permit fast, precise tuning: Off-On/Volume and Tuning. Carrying weight is only 11 ounces.

Printed circuit board makes assembly fast and easy. Step-by-step instructions won't let you go wrong, even if you have no previous wiring experience. Size, 3⅞x3¾x1¾". Includes 2 transistors, case, earphone with 3-ft. cord, wire, solder and all parts. Less battery, below. Shpg. wt., 1¼ lbs.

83 Y 263. ONLY	9.95
83 Y 264. 9-v. Battery For Above. 4 oz. NET	.93



Easy To Build

You can assemble this handy radio in just one evening—with no previous experience. Printed circuit board parts fit together easily on the unusually compact chassis. You'll enjoy building it—you'll enjoy using it.

Attractive Cabinet Included

ONLY
16^{95}

'Ocean Hopper' Receiver Kit

SHORT WAVE, LONG WAVE, BROADCAST

Easy to Assemble, Simple to Operate And Fun to Own	Highly Sensitive Circuit Has Wide Frequency Range	Tunes In Planes, Ships, Amateurs, Foreign Stations

You'll have a great time building and using this top-performing regenerative receiver. The "Ocean-Hopper's" time-tested design and quality components assure you outstanding results. This set literally "hops oceans" to bring clear headphone listening adventure into your home from all over the world. Its wide tuning range, using coils below, includes all bands from 165 kc to 35 mc—*the only low-cost set that receives the long-wave international distress and radio-beacon frequencies.*

You'll tune in virtually every type of radio transmission: ships, aircraft, Coast Guard weather reports and storm warnings, Amateurs, local broadcasts, radio beacons and foreign stations. You'll even hear calls on 500 kc, the international distress frequency for ships at sea. A large main tuning knob and electrical bandspread help make tuning simple and precise.

Controls: Main Tuning, Bandspread, Antenna Trimmer, Off-On/Regeneration. Tubes: 12AT6 detector and 50C5 audio output stage; 35W4 rectifier. Can accommodate a 3-4 ohm PM speaker for receiving strong stations. Includes standard broadcast plug-in coil, gray pyroxylin-covered wood cabinet with handy "trap door" for fast coil changing, wire, solder, and instructions. Less extra plug-in coils, headphones and antenna, below. Requires antenna and headphones, below. 6¾x10½x5½". For 105-125 v., AC or DC. 6½ lbs.

83 Y 749. ONLY	16.95

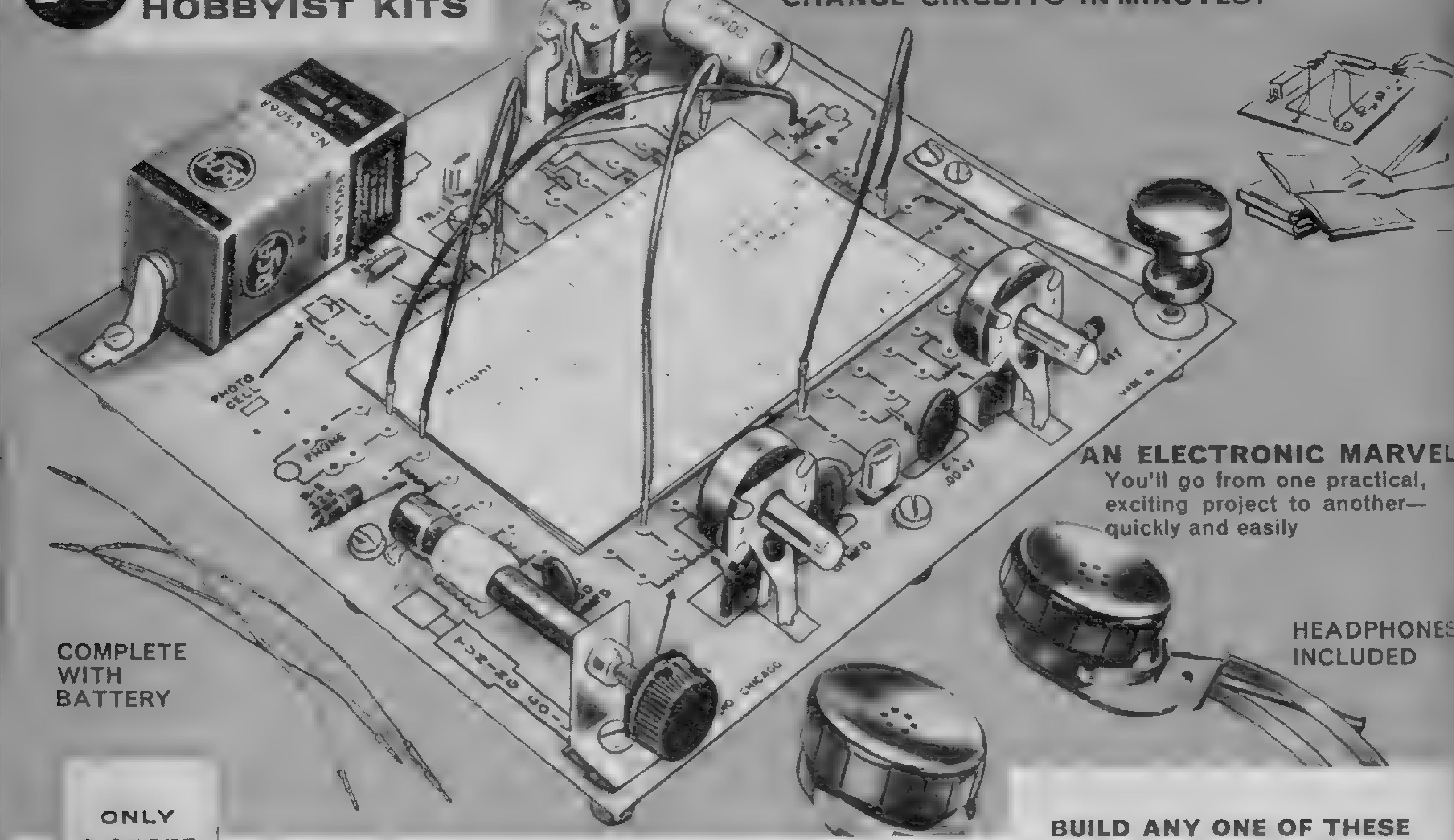
PLUG-IN COILS FOR ABOVE. Shpg. wt., 3 oz.

83 Y 741. Long Wave, 165-540 kc. ONLY	.79
83 Y 742. Short Wave, 1.65-4.1 mc. 83 Y 743. Short Wave, 2.9-7.3 mc. 83 Y 745. Short Wave, 7-17.5 mc. 83 Y 744. Short Wave, 15.5-35 mc.	EACH ONLY .65
83 Y 748. All 5 Coils. 1½ lbs. ONLY	2.95
83 Y 100. Antenna Kit. 1½ lbs. ONLY	1.03
59 Y 112. 1000-Ohm Headphones. 8 oz. ONLY	1.08

knight-kit
HOBBYIST KITS

EXPERIMENT WITH THE WONDER OF TRANSISTORS

CHANGE CIRCUITS IN MINUTES!


COMPLETE WITH BATTERY

AN ELECTRONIC MARVEL
You'll go from one practical, exciting project to another—quickly and easily

HEADPHONES INCLUDED

ONLY
$15.75

10 Circuit Transistor Lab Kit

USEFUL, FUN-FILLED PROJECTS . . . INCLUDES BATTERY

Employs Exclusive Plug-in Leads for Unequaled Simplicity	10 Genuine Separate Projects—No Duplication of Circuits	All Circuitry Mounts on Highly-Durable Printed Circuit Board

Every plus feature has been designed into this fabulous lab kit to provide you with unlimited enjoyment—an outstanding outfit to give or receive. A marvel of electronic versatility, this sensational kit takes you from one fun-filled project to another—*there's no duplication of circuits!* Heart of this kit is its printed circuit board, clearly marked to indicate where all components go. Once the basic components are soldered into place, there's no further soldering. Exclusive "plug-in" leads from each component take all the guesswork out of each project. You simply place any one of the 10 guide-cards on the printed circuit board and plug the leads into the number-coded jacks—just like a simplified telephone switchboard! *Engineered for unmatched assembly ease—peerless in its field.*

Entertaining and easy to follow, it demonstrates how transistors operate by means of 10 circuits that really work. One after another you'll build: an AM radio that gives loud, clear headphone reception—a wireless broadcaster that lets you "broadcast" to any nearby radio—an electronic switch of many uses—a voice-operated relay that controls the operation of a device through the use of sound—an oscillator for practicing code—an audio amplifier that lets you speak or play music through the headphones—a photo-electric relay that operates a device when a beam of light strikes it—and three other exciting circuits.

Includes a clearly written explanation of what each circuit does and offers a working demonstration of each completed project—there's no finer kit devised for the beginner, student, hobbyist, or experimenter. Supplied complete—nothing else to buy. With dual headphones which also serve as a microphone, plug-in circuit leads, 10 individual guide cards, 2 transistors, solder, relay and photocell, and an easy-to-understand manual. Battery powered; includes battery. Shpg. wt., 2 lbs.
83 Y 299. ONLY.......................................15.75

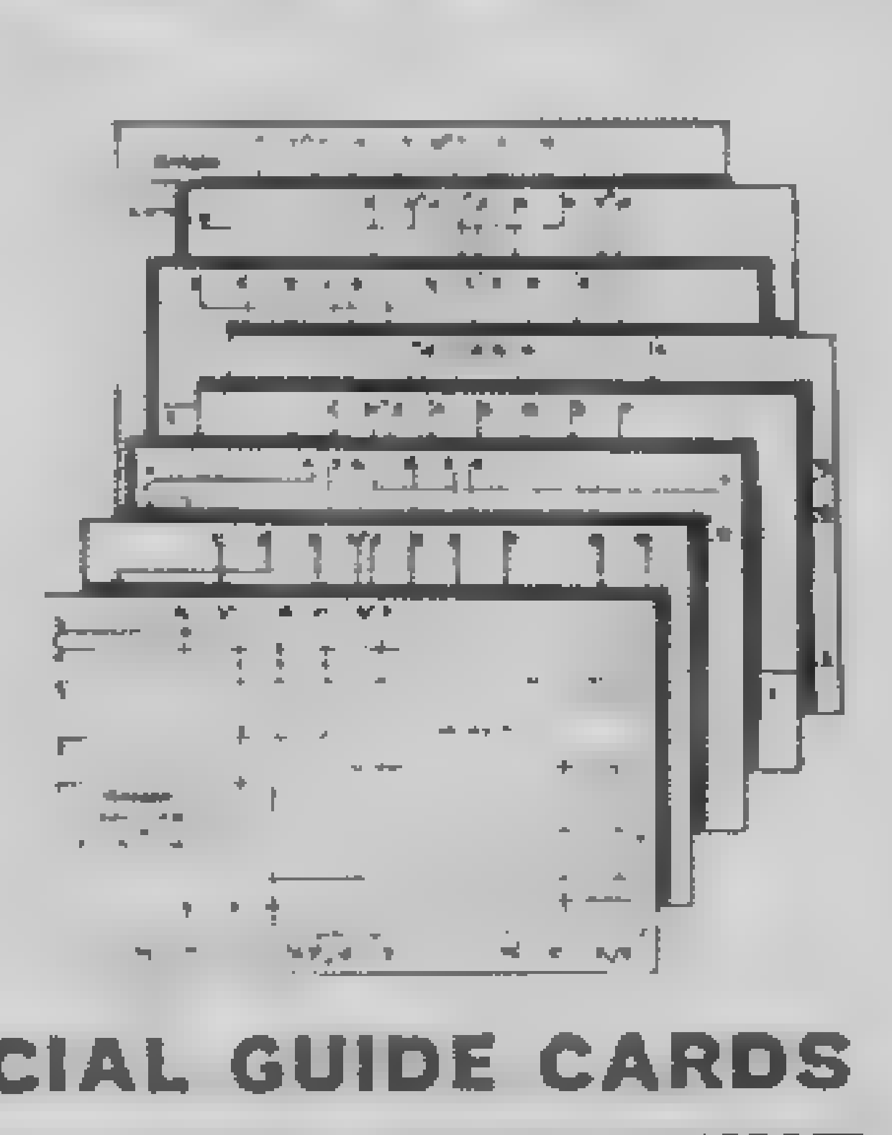
SCHOOL INQUIRIES INVITED. Nationally famous as a marvelous educational aid for science and shop courses in which the fundamentals of electronics are taught, the Knight-Kit 10-Circuit Transistor Lab Kit is available to schools. Write to Allied's Educational Division for details.

BUILD ANY ONE OF THESE 10 FASCINATING CIRCUITS

- 2-Stage AM Radio
- Light-Operated Relay
- Wireless Broadcaster
- Code Practice Oscillator
- Electronic Switch
- 2-Stage Audio Amplifier
- Body-Capacity Burglar Alarm
- Electronic Timer
- Voice-Operated Relay
- Electronic Flasher

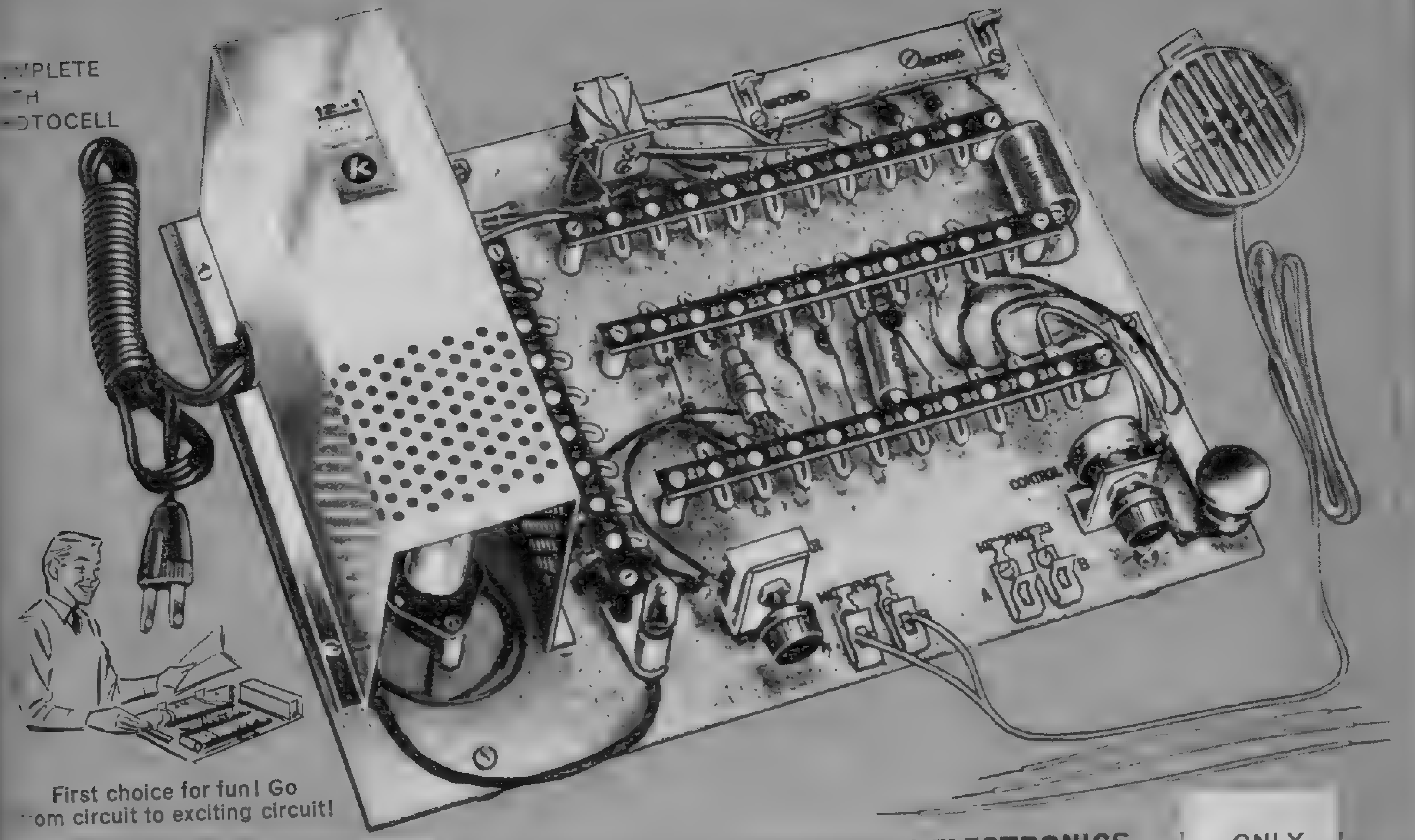
SO EASY TO ASSEMBLE

You simply solder the basic parts in place—then change from one exciting circuit to another quickly and easily by merely unplugging and plugging in leads.



SPECIAL GUIDE CARDS FOR EACH EXPERIMENT

Simply place any of the 10 guide cards on the printed circuit board, and plug in the circuit leads where indicated to get a working circuit! Jacks for "plug-in" leads are number-coded—it's easy—and it's a whole new world of fun.



First choice for fun! Go
om circuit to exciting circuit!

BUILD ANY ONE OF THESE FASCINATING PROJECTS

go from project to project by simply shifting wires!

- **AUDIO CODE OSCILLATOR**
  Helps you learn the code.
- **ELECTRONIC FLASHER**
  Turns indicator light on and off at pre-set intervals.
- **VOICE-CONTROLLED RELAY**
  Lets you turn device on and off by speaking through mike.
- **CODE TRANSMITTER**
  Lets you send code signals through your radio.
- **AUDIO AMPLIFIER**
  Amplifies voice or music for playing through headphones.
- **BROADCAST RECEIVER**
  Great for private radio listening from 550-1300 kc.
- **ELECTRONIC TIMER**
  For timing up to 30 minutes.
- **BODY-CAPACITY RELAY**
  Turns light on or off when you step on metal plate.
- **WIRELESS "BROADCASTER"**
  Be your own radio announcer—transmit through your radio.
- **BEAM OF LIGHT RELAY**
  Turns on appliances, etc., when actuated by light.
- **ELECTRONIC SWITCH**
  Use it to sound an alarm when it rains—amaze your friends.
- **MAGIC MUSIC OSCILLATOR**
  Have fun "making music" by using hands to control beam of light.

A THRILLING ADVENTURE IN ELECTRONICS

ONLY
$14.95

12-in-1 Electronic Lab Kit

THE WORLD-RENOWNED KIT OF FUN-FILLED PROJECTS

Absolutely Safe—No Voltage in Circuitry Exceeds 25 Volts

Permanent Mounting of Parts—Just Switch Leads to Change Circuits

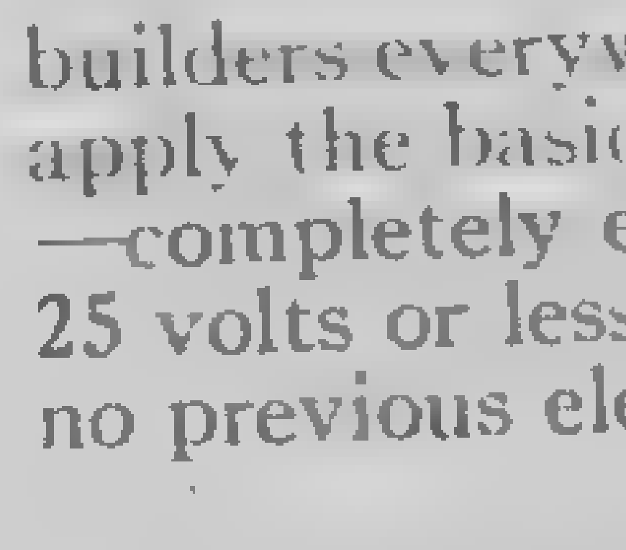
No Circuit Duplication—Actually 12 Separate Successive Projects

Here's the world-famous Knight-Kit "12-in-1" lab—acclaimed by kit builders everywhere as the most enjoyable, most fun-filled way to learn and apply the basic elements of electronics. A special safety-design transformer—completely enclosed in a special safety housing - reduces all voltages to 25 volts or less. Completely safe, the kit is ideal for young and old alike no previous electronic experience is necessary.

One after another, you'll build all of the exciting, practical circuits listed at left. Once you solder the basic components into place, there's no need to change their position —the same basic parts are used for all 12 circuits. It's amazingly simple to change from circuit to circuit - all you do is relocate a few wires according to the clear instructions given in the manual. You go from one interesting project to the next—each performs a practical function and graphically demonstrates important electronic principles.

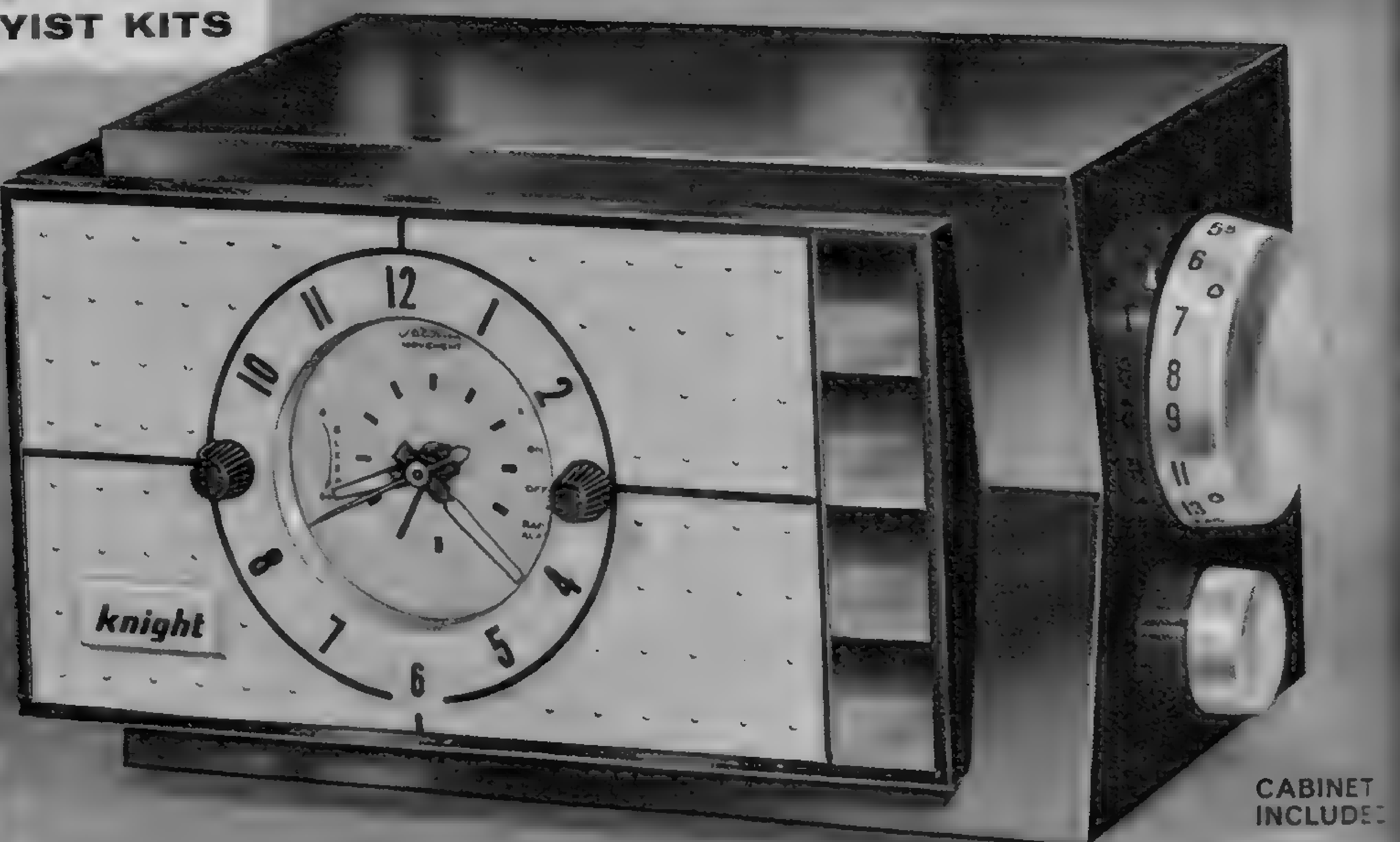
The informative manual included with this ingenious kit tells you exactly what to do, and clearly explains how each circuit works. Step-by-step instructions guide you through each thrilling project —you actually see how each electronic principle operates! In addition to schematic diagrams and circuit descriptions for each project, the manual has informative sections on commonly used schematic symbols, International Morse Code, and capacitor and resistor color code markings. Includes 8x11" mounting board, 12K5 tube, photocell, mike, hardware, solder, wire, and clearly detailed instructions. Less headphone, listed below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 4 lbs.
83 Y 272. ONLY..14.95

59 Y 112. Headphone for Above. With 4½-ft. cord. 8 oz. **ONLY**.......1.08



BASIC ELECTRONICS BOOK. Based on the circuits featured in the 12-in-1 Kit, above, this booklet serves as a first-course study and experiment guide in radio and electronics. Prepared by Allied's expert editorial staff, it's great for private study—ideal, too, for classroom use.
39 K 092. Postpaid in U.S.A...............................25c

Schools: Write to Allied's Educational Division for Quantity Prices



CABINET INCLUDED

ONLY
$24⁹⁵

$2
DOWN

"Ranger" Clock-Radio Kit...Easiest to Assemble

FEATURES TELECHRON CLOCK, AUTOMATIC SLEEP SWITCH, CONVENIENT APPLIANCE OUTLET

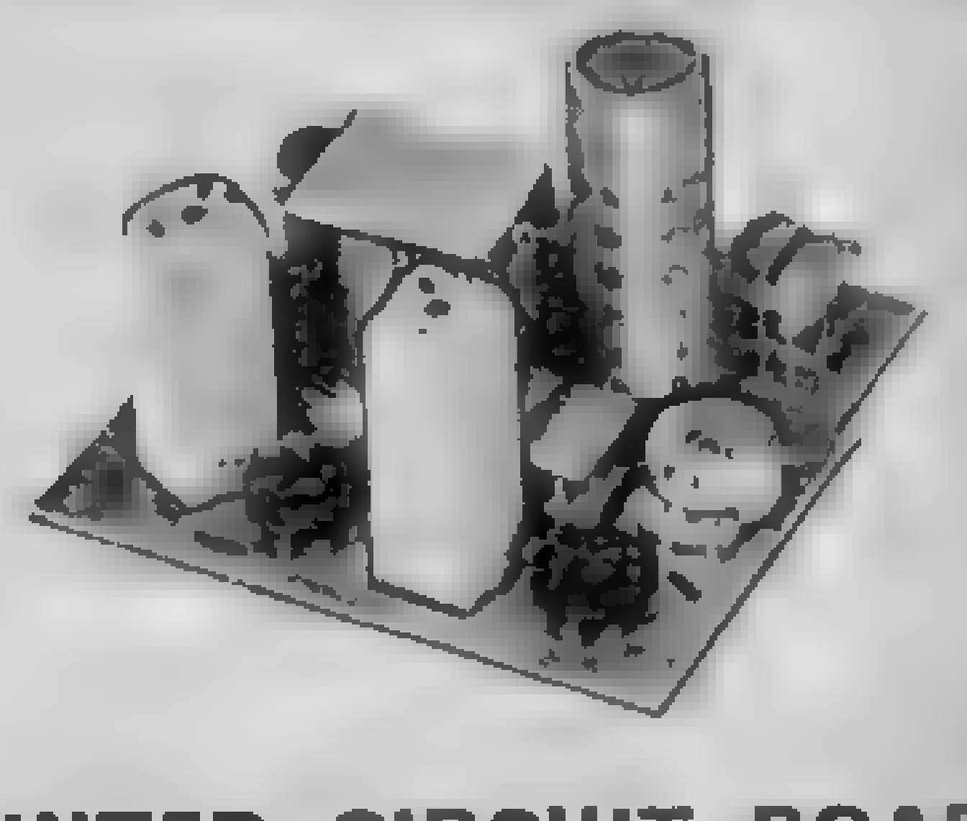
- Printed Circuitry and Plug-In Modules for Unbeatable Assembly Ease
- Provides Crystal Clear, Standard AM Broadcast Band Reception
- Highly Dependable, Multi-purpose Clock Timer Unit

You'll be amazed at how quickly and easily this expertly engineered clock-radio kit goes together—and you'll be delighted with its first-rate performance. In addition to excellent reception of the standard AM broadcast band, the Knight-Kit "Ranger" Clock Radio features a built-in Telechron clock with a sleep-switch timer. You drift off to a musical dreamland at night (it shuts off after any desired time lapse up to one hour)—then wake up to refreshing music the next morning. In case you oversleep, an alarm is included which sounds 10 minutes after the radio goes on. Another "plus" feature—a 1200 watt outlet at the rear of the set—lets you turn on your coffee-maker, lamp, or other appliance automatically. This feature may be used to help safeguard your home by setting the timer to turn on lights while you're out for the evening.

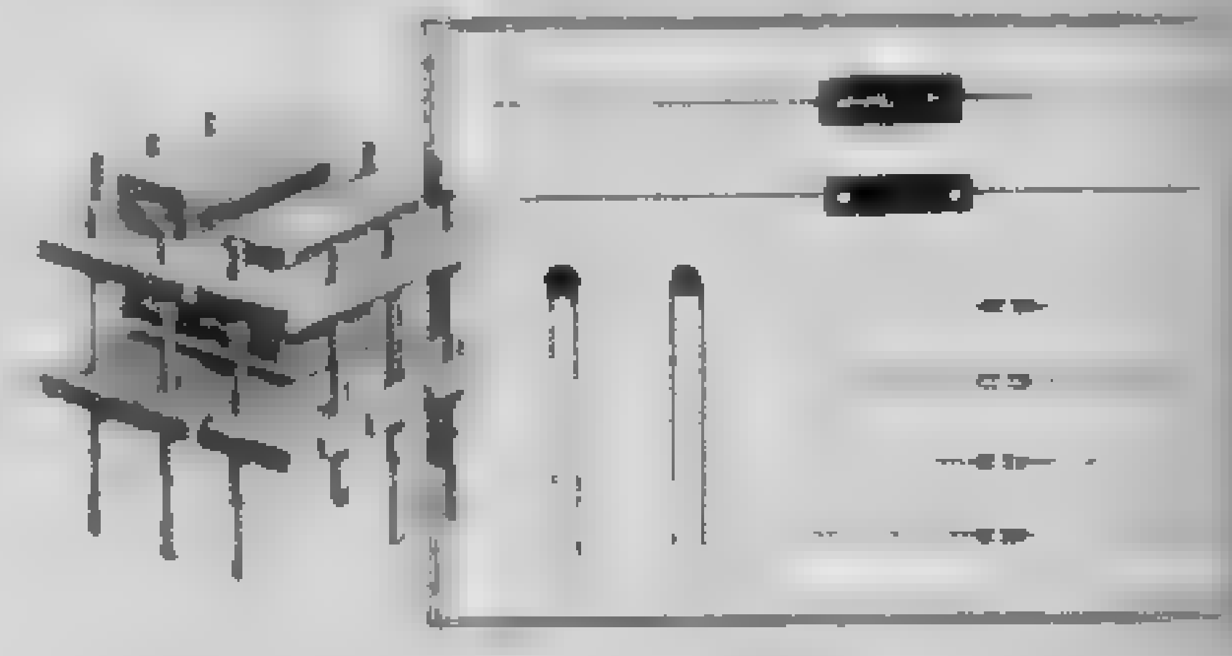
Nothing has been overlooked in making the "Ranger" clock radio a fascinating experience in kit-building—it's fun to build! Thanks to its unique, modularized circuit, anyone can do the easy assembly in surprisingly little time. The specially designed module units (pre-assembled resistor and capacitor assemblies) are simply plugged into a matching printed circuit board and soldered in place. The quick installation of two modules actually eliminates the need for individually wiring and soldering into place sixteen separate resistors and capacitors.

No special tools are required for putting your clock radio together—all you need are a pair of long-nose pliers, a screwdriver, and a soldering iron. The clearly written step-by-step instructions for which Knight-Kits are famous tell you exactly how and when to mount each part. Wall-sized picture diagrams clearly show you every construction detail—it's just like having a fine instructor at your side!

The beautifully styled cabinet is attractively finished in ebony and white to harmonize with any surroundings. Luminous clock hands give you the correct time at a glance. Miniature tubes include: 12BE6, 12BA6, 12AV6, 50C5; and 35W4 rectifier. Size, 5¼x9⅝x5⅜". With tubes, cabinet, wire and solder, all parts, Telechron clock, hardware and instructions. For operation from 105-125 v., 60 cycle AC. Shpg. wt., 6 lbs.
83 Y 737. *$2 Down.* ONLY..24.95



PRINTED CIRCUIT BOARD
A printed circuit board, containing virtually all of the circuit wiring, makes assembly of this kit remarkably easy and precise.



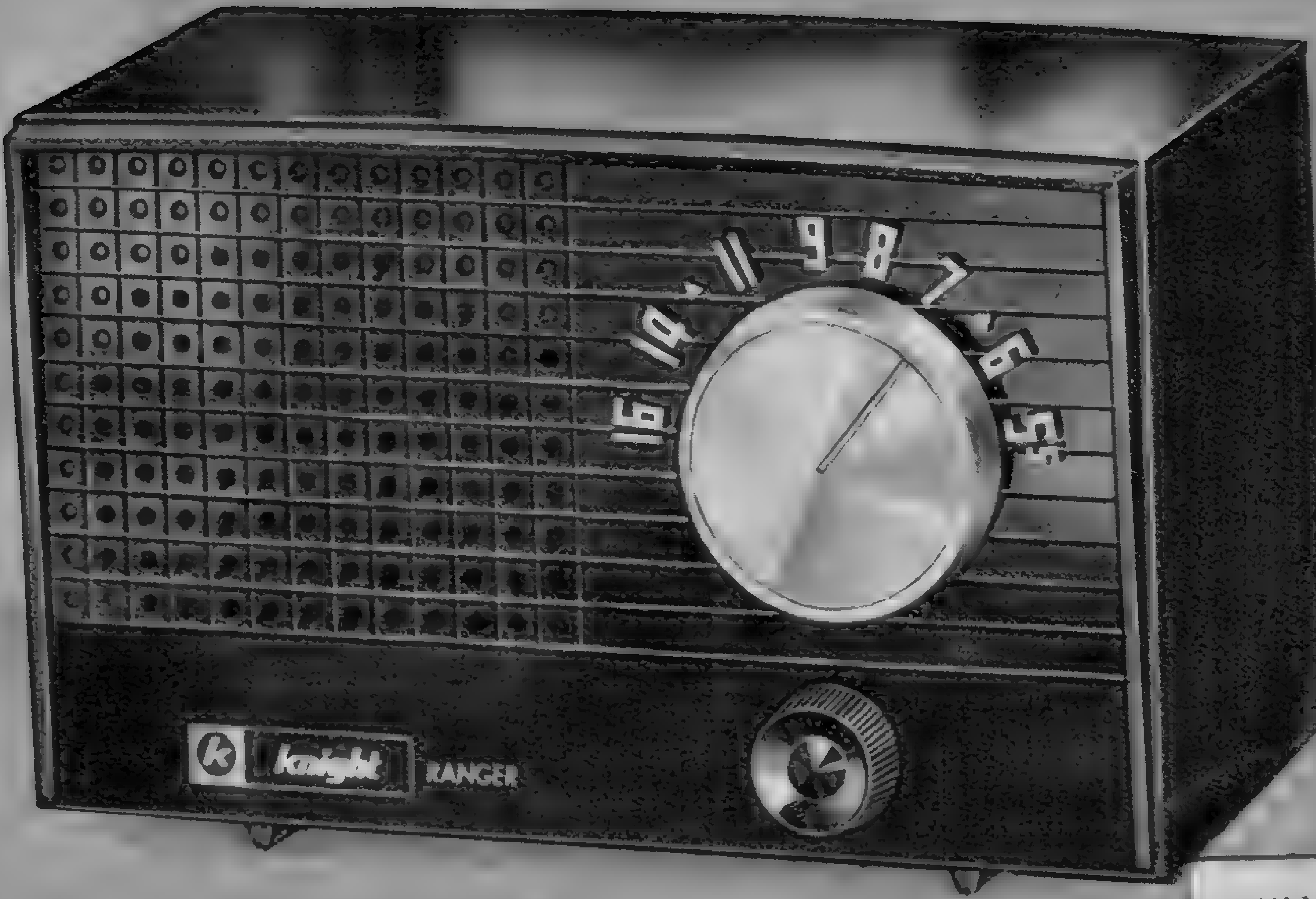
PRE-ASSEMBLED RESISTOR-CAPACITOR PLUG-IN MODULES

Resistors and capacitors in plug-in module form—a miracle of simplicity—one of the latest advances in kit design. Saves valuable time—simply plug the modules into the printed circuit board and solder them in place.

YOU BE THE JUDGE. Order the Knight-Kit of your choice and examine it. If you are not completely satisfied you may return it for full refund of your entire purchase price.

-Filled
ceiver
oject

erhet Circuit
-Toned Sound
art Modern Styling
-to-Put-Together



CABINET INCLUDED

ONLY
$16.95

Famous-Value "Ranger III" Superhet Radio Kit

EASY-TO-BUILD, TOP-PERFORMING BROADCAST BAND RECEIVER AT LOW COST

Featuring finest quality parts and expert design, this handsomely styled table radio provides outstanding superhet reception of standard AM broadcasts. You're sure to enjoy its top-notch performance—and you'll marvel at the easy, fun-filled assembly.

Covers the entire broadcast band for exciting reception of your favorite programs. Top-quality Alnico V speaker and acoustically designed cabinet provide clear, full tone. Sensitive superhet circuit includes automatic volume control to reduce blasting and fading. Has cadmium-plated steel chassis, smooth-tuning ball bearing capacitor, smart black case accented in white to complement any decor.

Miniature tubes include: 12BE6, 12BA6, 12AV6, and 50C5. Rectifier is a 35W4. Highly efficient, built-in hi-Q loop antenna is provided for maximum sensitivity. Unit is supplied complete with tubes, cabinet, all parts, wire and solder, and world-famous Knight-Kit easy-to-follow step-by-step instructions plus giant, wall-size picture diagrams. Size, 5⅜x8⅝x4⅝". For operation from 110-125 volts; 50-60 cycle AC or DC. Shpg. wt., 4½ lbs.

83 Y 736. ONLY........................16.95

SCHOOL INQUIRIES INVITED. Knight-Kits are offered at special quantity prices for classroom use in schools—write to our Educational Division for details.

"Ranger III-PC" AC-DC Radio Kit

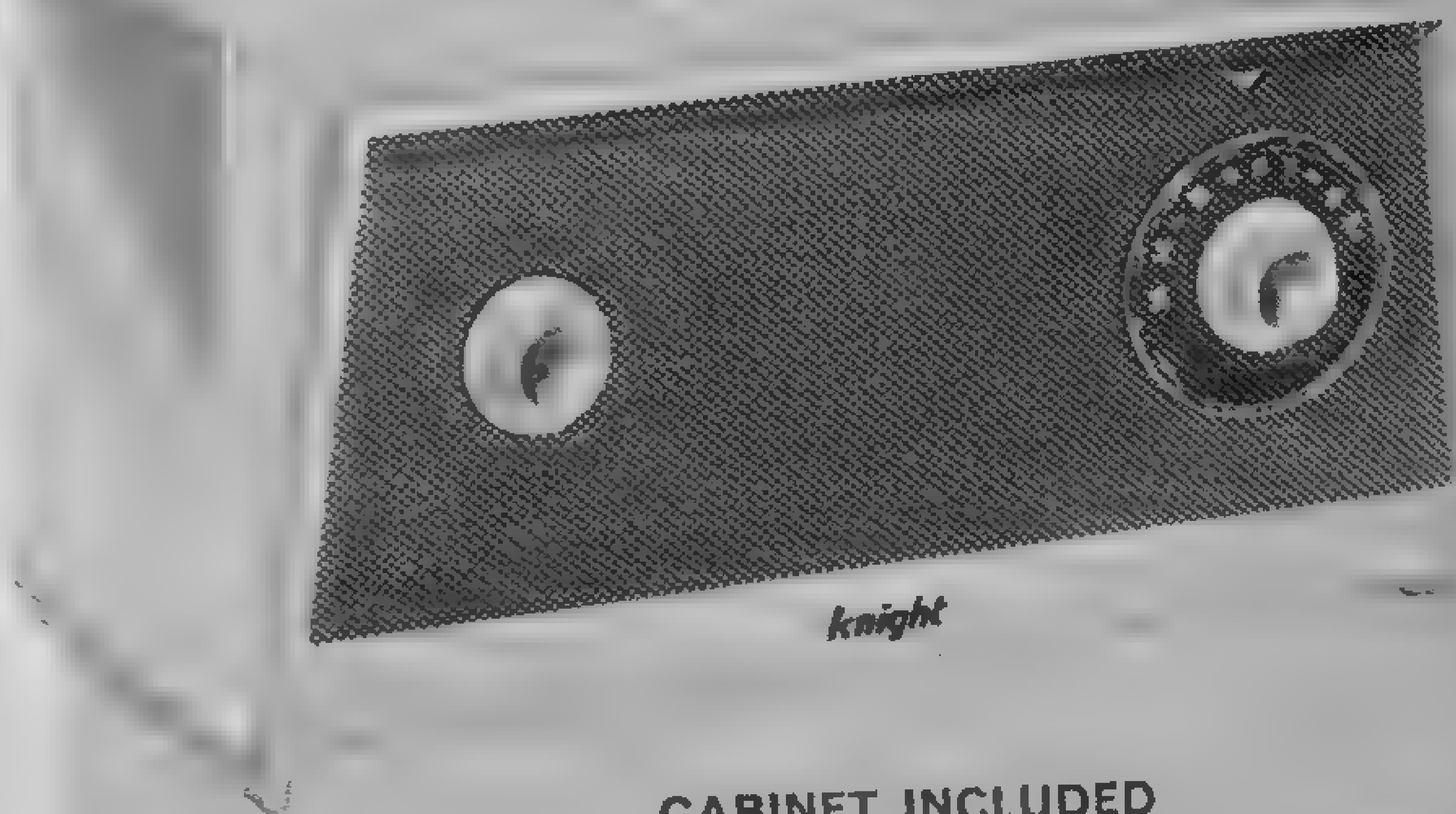
ONLY
$18.95

Here's a beautifully styled, top-performing table radio in famous Knight-Kit easy-to-assemble form. You'll be amazed at its excellent tonal quality and crystal-clear reception over the entire broadcast band. The use of printed circuitry makes assembly a marvel of simplicity—you'll be proud of the results. In addition to time-saving printed circuitry, this radio also features: sensitive superhet circuit with automatic volume control; cadmium-plated steel chassis; smooth-operating, ball bearing tuning capacitor for easy "dialing"; high-quality Alnico V speaker; 4 tubes plus rectifier.

Cabinet is ivory with brown speaker mesh. With all parts, cabinet, speaker, wire and solder, and easy-to-follow, step-by-step instructions with wall-size picture diagrams. 5¼x10x5". For operation from 110-125 v., 50-60 cycle AC or DC. Shpg. wt., 4¾ lbs.

83 Y 738. NET........................18.95

Easy-to-Assemble
Sensitive Superhet Radio



CABINET INCLUDED

Knight-Kits Have Easiest-to-Follow Instructions

knight-kit HOBBYIST KITS

"The Intercom That Responds to a Whisper

Priced for Every Budget

Includes
Master and Remote

You'll be genuinely impressed wit the exceptionally high sensitivity o the amplifier circuitry used in this budget-priced Intercom System kit. It picks up the slightest sound—even a whisper can be heard!

ONLY
$14.95

2-Way Intercom System Kit—Easy to Assemble

LOW-COST INTERCOMMUNICATION FOR THE HOME, STORE, OFFICE AND SHOP

Complete—Includes One Master and One Remote Station, Plus 50′ of Cable.

High-gain Audio Amplifier Incorporates 2 Complete Stages of Amplification.

Tops in Versatility—Utilizes Highly Flexible Switching Functions and Circuitry.

Simplified Step-by-Step Instructions — Anyone Can Assemble It with Ease.

This complete 2-station intercom is one of the most useful kits ever designed. Consisting of a Master station and a Remote station, it has hundreds of uses in the home, office, store, shop, school, etc. Master station features a high-gain, 2-stage audio amplifier circuit, and both the Master and Remote are equipped with a high-quality 4″ PM speaker.

Skillfully engineered throughout, this smooth-working, dependable intercom system can be quickly and easily built by anyone. Here are some of its time and step-saving uses: in the home, you can install a Master station and communicate with the Remote station in the basement, nursery, bedroom, playroom, or garage. The system can accommodate up to 3 Remote units in parallel . . . all Remotes can communicate with each other when Master is turned on.

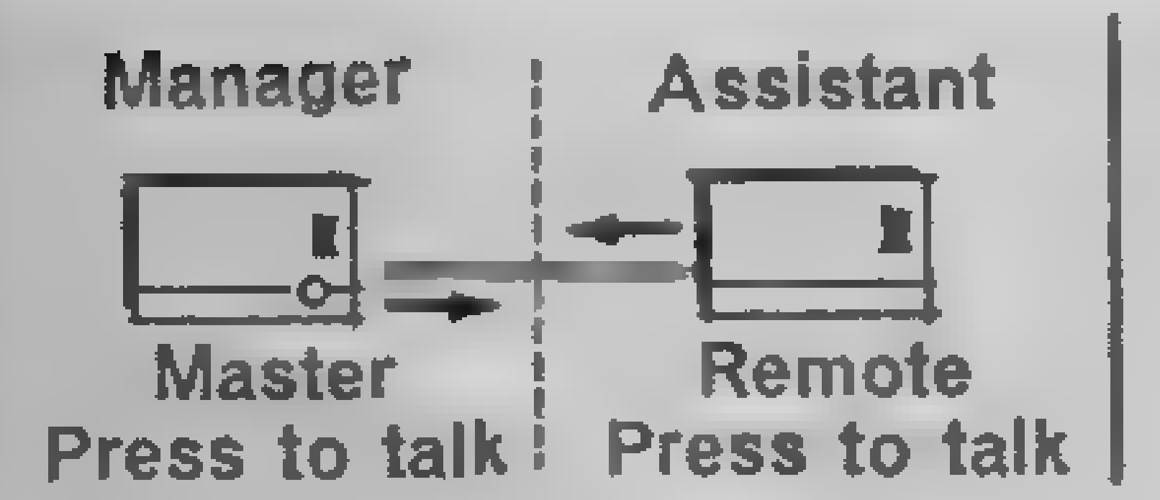
Perfect for electronic "baby-sitting", Remote unit (with switch left in "Talk" position), can be installed in the nursery to permit continuous listening in. Thanks to its extremely high gain, it picks up the slightest sounds—actually responds to a whisper!

In the office or shop, communication can be private o non-private by simple manipulation of the "Press-t Talk" switch on Master unit and "Talk-Listen" swit on Remote station. Master station can communica with Remote regardless of the position of switch on t Remote station. Master has volume control to adju loudness of system; only the Master station need b plugged into a power outlet.

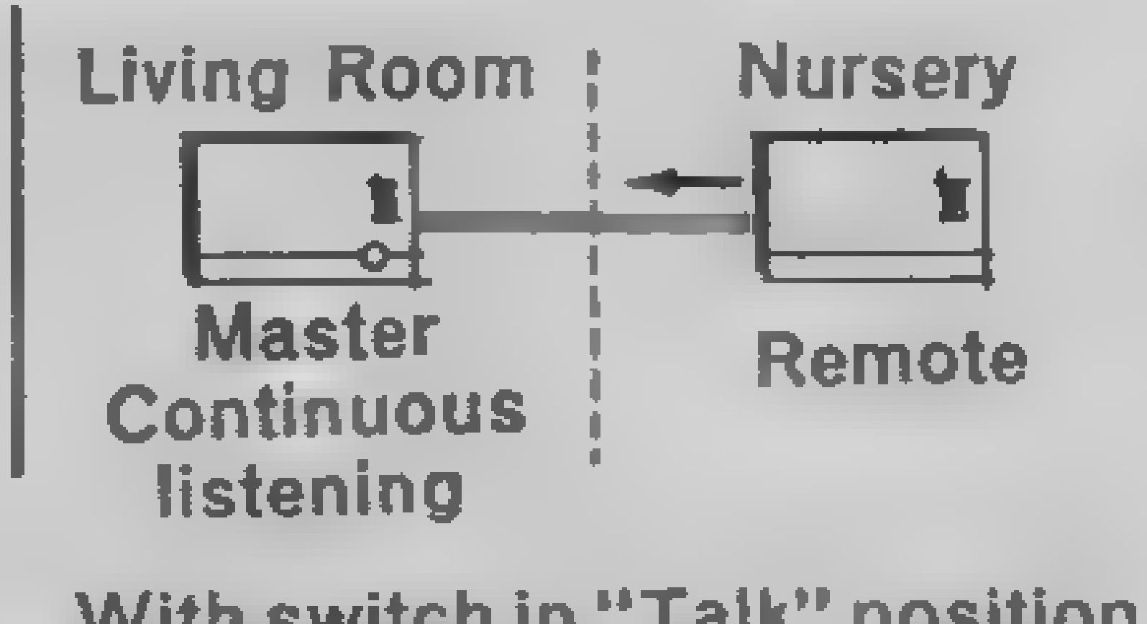
Size of each unit, 5x6⅝x4½″. Metal cabinets are sty in ivory with attractive brown speaker grilles. Tw tube audio amplifier circuit; 35W4 rectifier. Comple with all parts for building a Master and a Remote st tion, 50-ft. cable, solder, etc. For 105-125 v., 50- cycle AC or DC. Shpg. wt., 7¼ lbs.
83 Y 297. Master and 1 Remote. ONLY..........14.9

EXTRA REMOTE STATION KIT. For use with above. Le cable, below. Shpg. wt., 2½ lbs.
83 Y 298. ONLY..............................3.

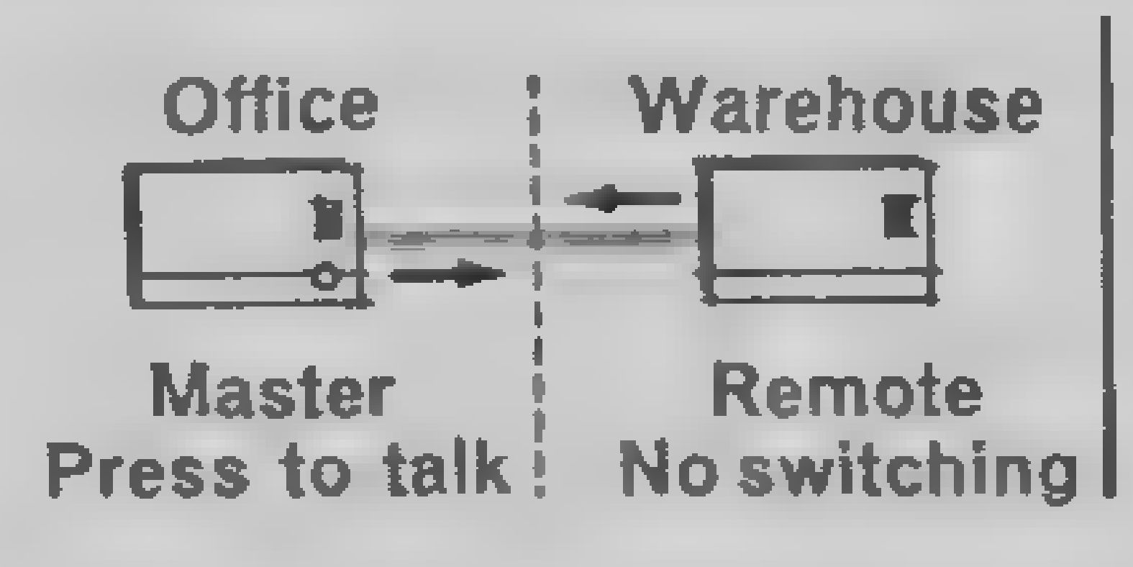
EXTRA CABLE. Shpg. wt., 100 ft., 2½ lbs.
49 Y 604. NET PER FOOT..............................



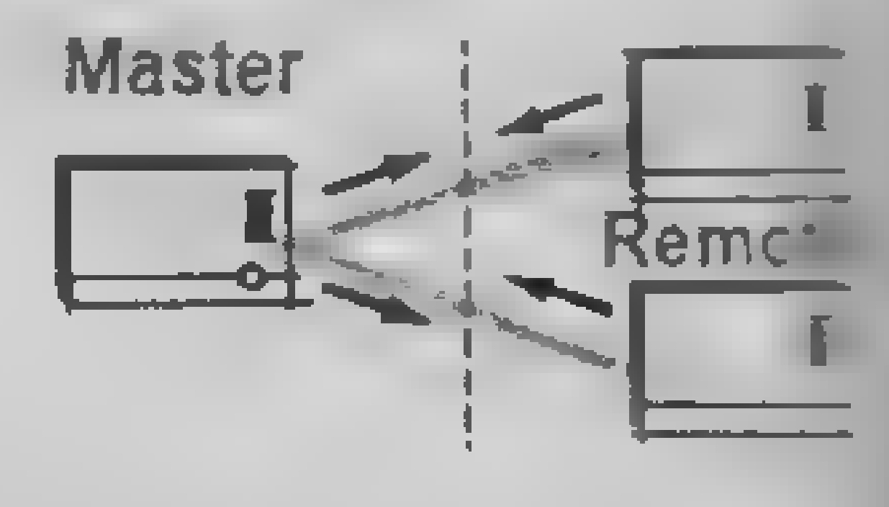
To talk, either station presses switch—communication is private—there's no "listening-in".



With switch in "Talk" position on Remote station, all noises from baby's room are picked up clearly.



With Remote switch in "Talk" position, Master and Remote can communicate without Remote operating switches.



Add Remote stations for i creased usefulness. Remot can talk to each other; Mast can talk to all.

Photoelectronic Relay Kit

OPERATES FROM ¼ FOOT-CANDLE OF LIGHT

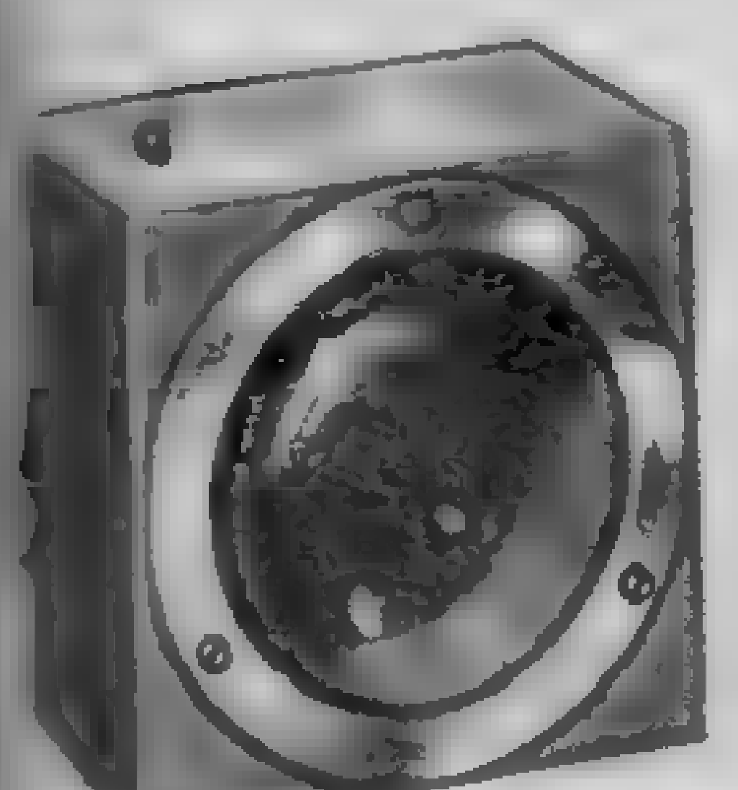
ONLY
$12.95

Build your own fast-acting, ultra-sensitive photoelectronic relay—quickly and easily at low cost. Here's a swift, silent workman that does 1001 jobs in the home, store or plant. You'll find all kinds of uses for this light-controlled switching device—automatically controlling lights, opening doors, counting, burglar alarm, "announcer", etc. Use any light source to activate it—auto headlights, daylight, even light energy from molten metals.

Employs highly sensitive cadmium-selenide (more sensitive than sulphide) photocell in a thyratron circuit. Relay contacts rated at 1.5 amps. Ideal as a dependable, accurate counter when attached to a counting device on a production line (see electronic counters listed elsewhere in this catalog). Makes as many as 600 counts per minute. Absolute sensitivity, 250 millifoot candles; power consumption only 3 watts.

Features selectable operation: "Trip" for burglar alarm —provides continuous ringing of alarm even though intruder steps out of path of light; and "Auto" if relay is to operate each time light is blocked. Supplies 6.3 v. AC at 0.6 amps at terminals for direct operation of alarm, counters, etc. The relay kit is supplied complete with cadmium-selenide photocell, metal case, wire and solder and all parts. 4x3x5". For operation from 105-125 volts, 60 cycle AC. Shpg. wt., 3 lbs.

83 Y 702. ONLY..........................12.95



OPTIONAL LIGHT SOURCE KIT. Sealed-beam unit that actuates relay from over 500-ft. Removable red filter, supplied, makes beam invisible by day, barely seen at night. 6x6x4¼". For 105-125 v., 60 cycle AC. 5 lbs.

83 Y 703. ONLY..........7.75

77 Y 035. Chime. 2 lbs......4.70

Ultra-Sensitive Performance

Maximum Sensitivity. Photocell is finest-quality, super-sensitive cadmium selenide — responds to glimmer of light.

Highest Speed. Tracks almost instantaneously—relay actuates devices up to 600 times per minute.

Rugged Design. Engineered for utmost durability — that's why sturdiest thyratron circuitry is used.

For "Announcing"

For Counting

For Protection

"Ranger" Radio-Intercom Kit

2-WAY INTERCOM AND RADIO RECEIVER

ONLY
$27.50
$2
DOWN

This 2-station radio-intercom kit, consisting of a Master station and Remote unit, offers top flexibility. Serves as a sensitive radio for receiving standard AM broadcasts; an efficient 2-way intercommunication system; a music distribution system that enables you to transmit AM broadcasts to the Remote unit. Remote station can receive broadcasts from the Master unit, and call the Master station (automatically muting radio). With the Remote switch in the "Talk" position, it transmits sounds to the Master—the perfect electronic "baby sitter" for use in child's room.

Master station can originate calls and distribute radio broadcasts to as many as three Remotes in parallel. Two volume controls on Master permit separate radio and intercom adjustment. Only the Master station need be plugged into an AC power source.

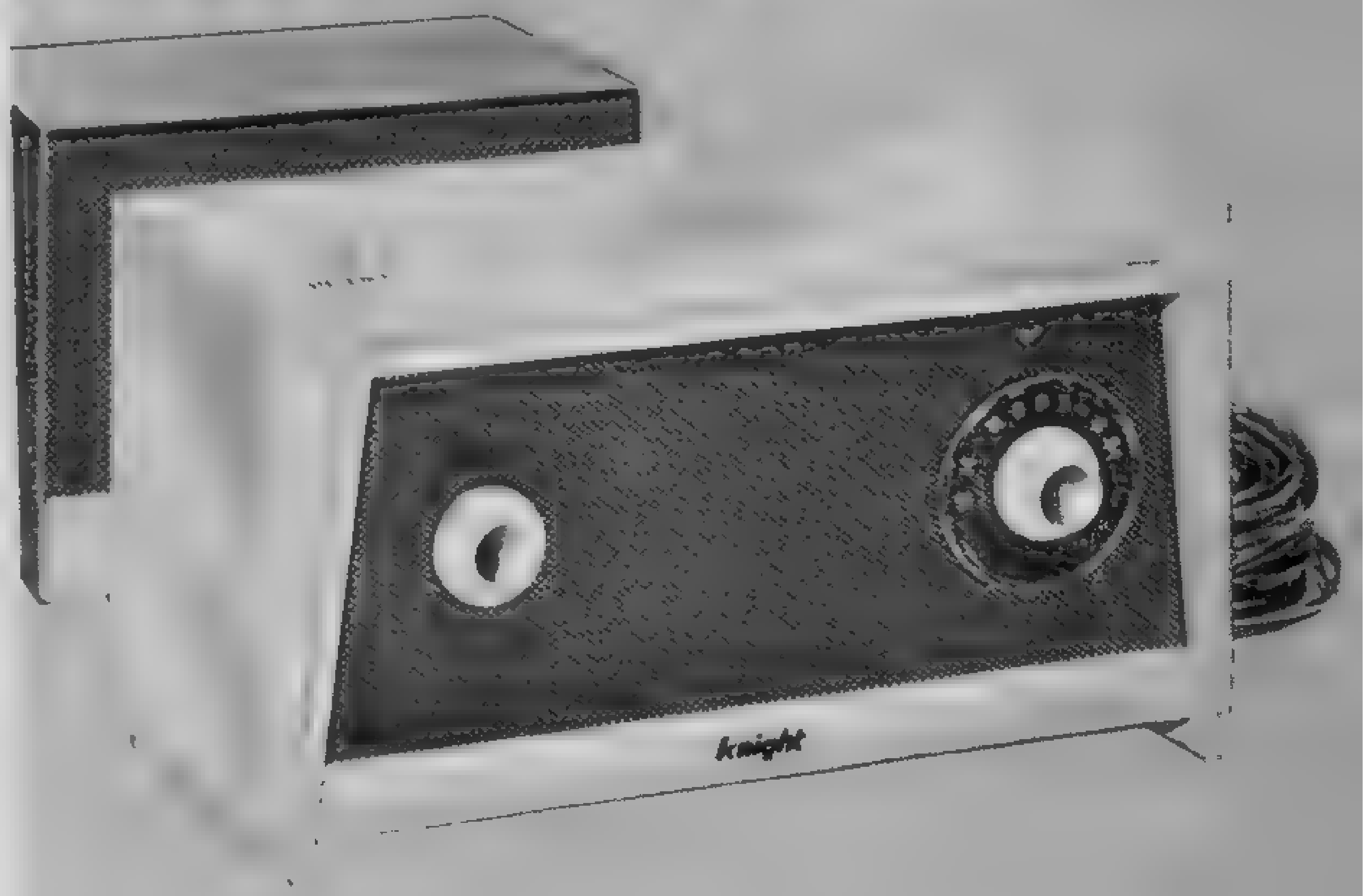
Master, 5¼x10x5"; Remote, 5x6⅝x4½". Smart, ivory color-styled cases with brown speaker grilles. With all parts, solder, wire and 50 feet of cable. For 105-125 v., 50-60 cycle AC. Shpg. wt., 8½ lbs.

83 Y 739. Master and Remote. *$2 Down.* **ONLY**...27.50

83 Y 298. Extra Remote Kit. Less cable. 2½ lbs.....3.95

47 Y 372. Extra Cable. Wt., 100', 2½ lbs. **PER FT**....5c

It's a Radio! It's an Intercom!



VERSATILE 3-IN-1 OPERATION

Radio broadcasts can be distributed to Remotes; switch on Master cuts out broadcasts without affecting intercommunication. Remotes can talk with each other and with Master. Pressing "Talk" switch on Master or Remote silences radio. Remote station may be left "on" for listening in by the Master. Only the Master need be plugged into AC outlet.

IT'S AN EXCITING RADIO BROADCASTER
IT'S A QUALITY AUDIO AMPLIFIER

NO LICENSE REQUIRED TO OPERATE

ONLY $12^{95}

Radio-Broadcaster/Amplifier

NEARLY 100% MODULATION—JUST LIKE A REAL RADIO STATION

Your family and friends will have hours and hours of fun with this highly popular, combination broadcaster-amplifier kit. Use it with a mike or phono to make announcements or play music through radios anywhere in the house—without any need for direct connection to the sets! You can actually broadcast your own radio shows—complete with music. Has input for magnetic cartridge—also accepts crystal cartridge or a crystal or high-impedance dynamic mike. In addition, you can use it as an audio amplifier by simply attaching it to any PM speaker (3.2 to 16 ohms).

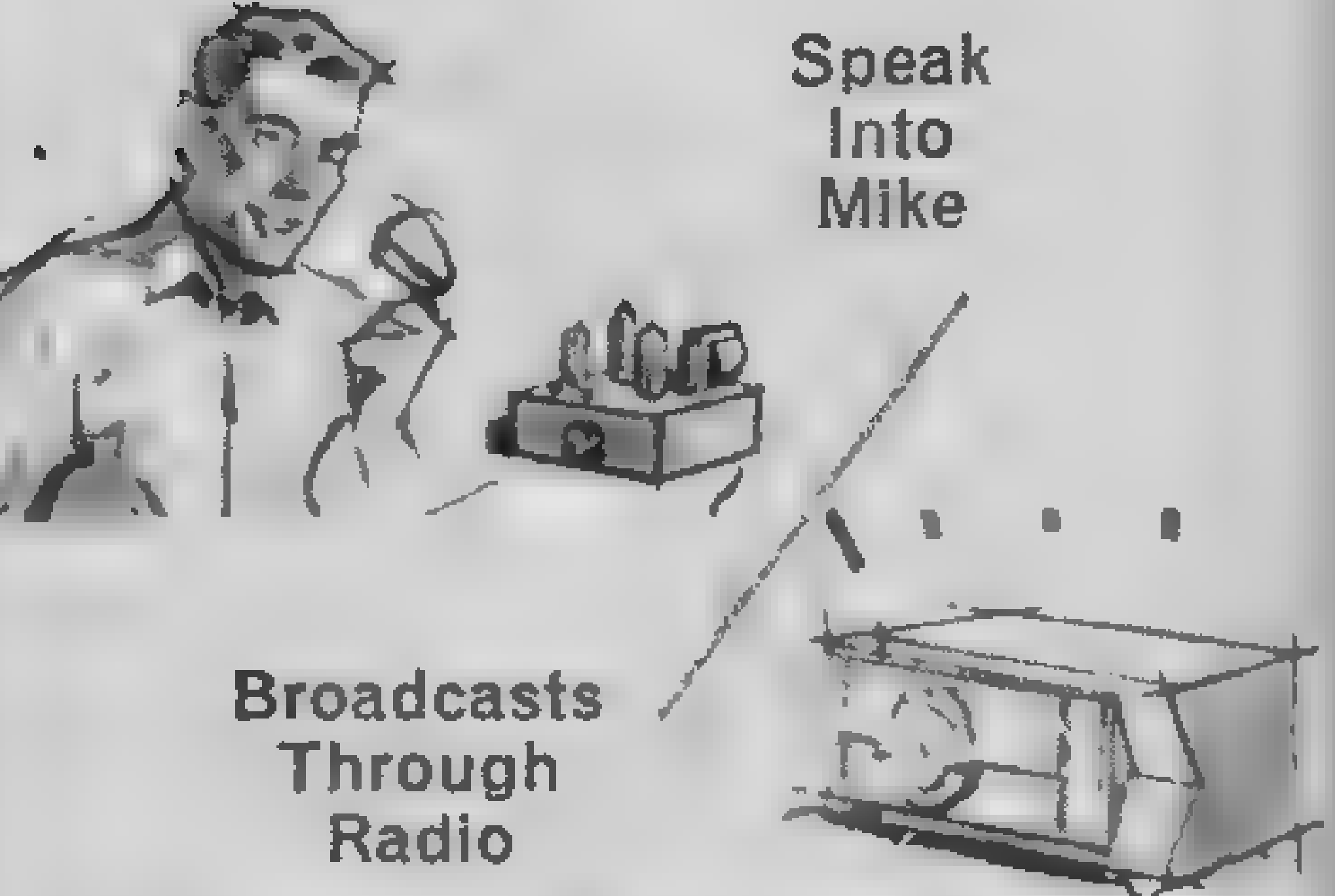
Puts out a clean, full-toned signal. Provides nearly 100% modulation—just like the professional broadcasting stations. Transmits over distances of up to 50 feet. Broadcasting frequency is adjustable from 600 to 1600 kc—easily tuned to any clear frequency on your radio set. No license or permit is required to operate, since unit's output is well within the FCC limits for transmission of unlicensed broadcasts.

- Puts Out Strong, Clear Signal
- Use with Phono or Microphone
- Plays Through Any AM Radio
- Fun to Assemble

Has equalized input for magnetic cartridge—needs no external preamp. Equalization may be disconnected for use with mike. Complete with wire, solder, and easy instructions. 4½x5x6". Less mike, below. For 105-125 v., 50-60 cycle AC, or DC. Shpg. wt., 2¾ lbs.
83 Y 706. ONLY............................12.95

99 S 519. Crystal Mike for Above. Attractive gray case; 5-ft. cable. Shpg. wt., 1 lb. **NET**...........2.95

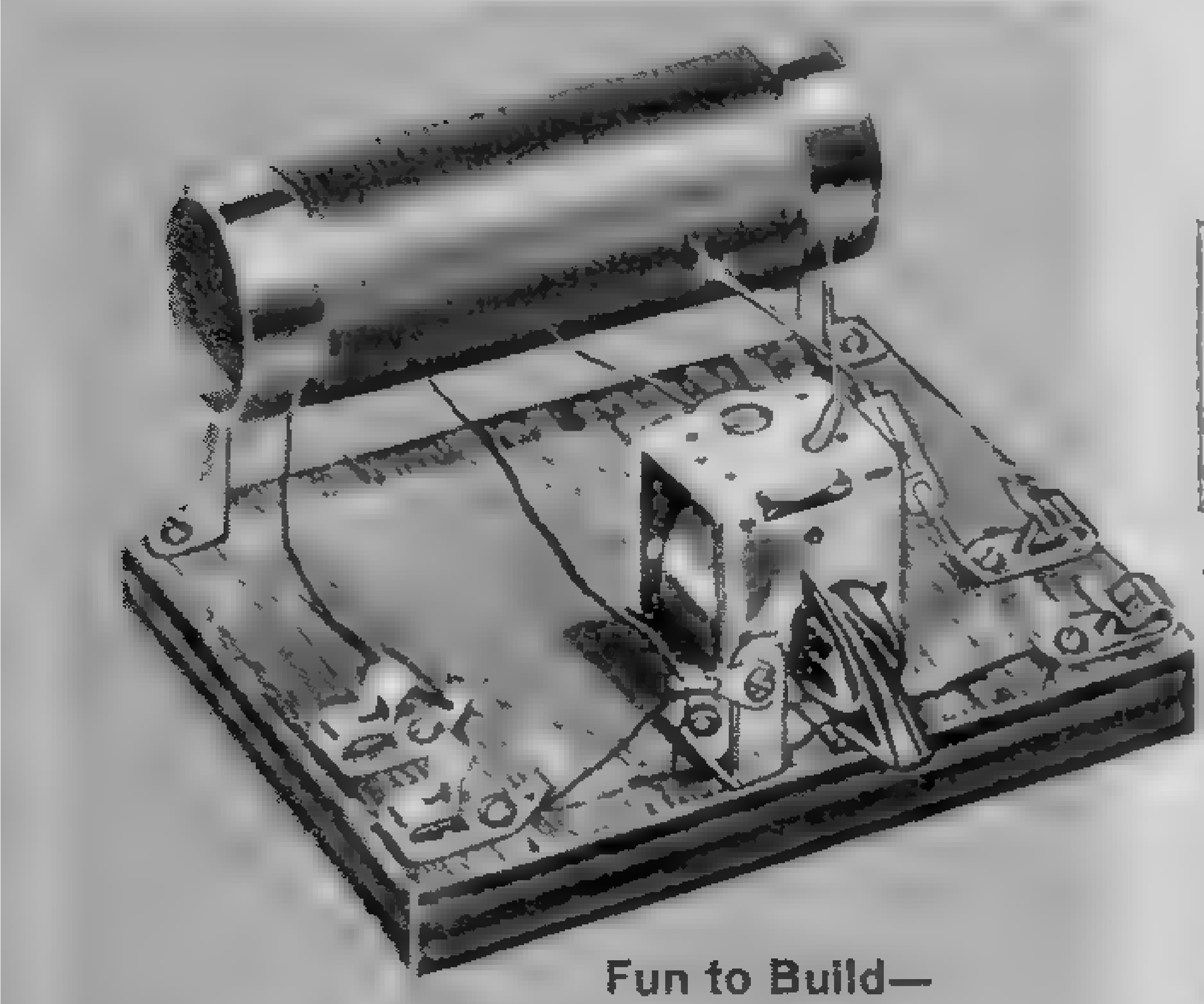
DOZENS OF THRILLING FUN-FILLED USES



A RADIO BROADCASTER...
You'll have fun making special broadcasts to any radio in your home—sing, speak, play records or even a musical instrument.

AN AUDIO AMPLIFIER . . .
Enjoy a low-cost, quality audio amplifier by simply attaching record player to input of Broadcaster/Amplifier and connecting output to any PM speaker (3.2 to 16 ohms). May be used with any type of cartridge—even magnetic!

Popular, Fun-to-Build Crystal Set Kit



Fun to Build—
Fun to Use

ONLY $2^{50}

- Sensitive Crystal Diode
- Smooth, Easy Tuning
- Loud, Clear Reception
- Efficient "Hi-Q" Coil
- Anyone Can Build it!

Thousands of beginners have started in electronics by building this famous, low-cost crystal set kit. It delivers loud, clear headphone reception of local broadcast stations. Circuitry employs a fixed-type, preset germanium crystal—requires no adjustment as do old-fashioned crystal detectors.

Features high sensitivity combined with simplicity of operation. Easy to wind, special Hi-Q coil assures excellent efficiency and selectivity. Ball-bearing, variable capacitor provides smooth tuning. With all parts, wire, solder and baseboard. Less headphone, antenna kit, below. Shpg. wt., 1 lb.
83 Y 261. ONLY.............2.50

1000-OHM HEADPHONE. 1¼ lbs.
59 Y 112. NET...............1.0

ANTENNA KIT. Shpg. wt., 1½ lbs.
83 Y 100. NET...............1.0

2-Volt Ammeter-Voltmeter Kit

SHOWS CHARGE-DISCHARGE RATE AND VOLTAGE

Replaces Red-Light ndicator In Cars

Illuminated Meters Read at a Glance

ndicates Both Charge and Discharge Current and Battery Voltage

ONLY $9.95

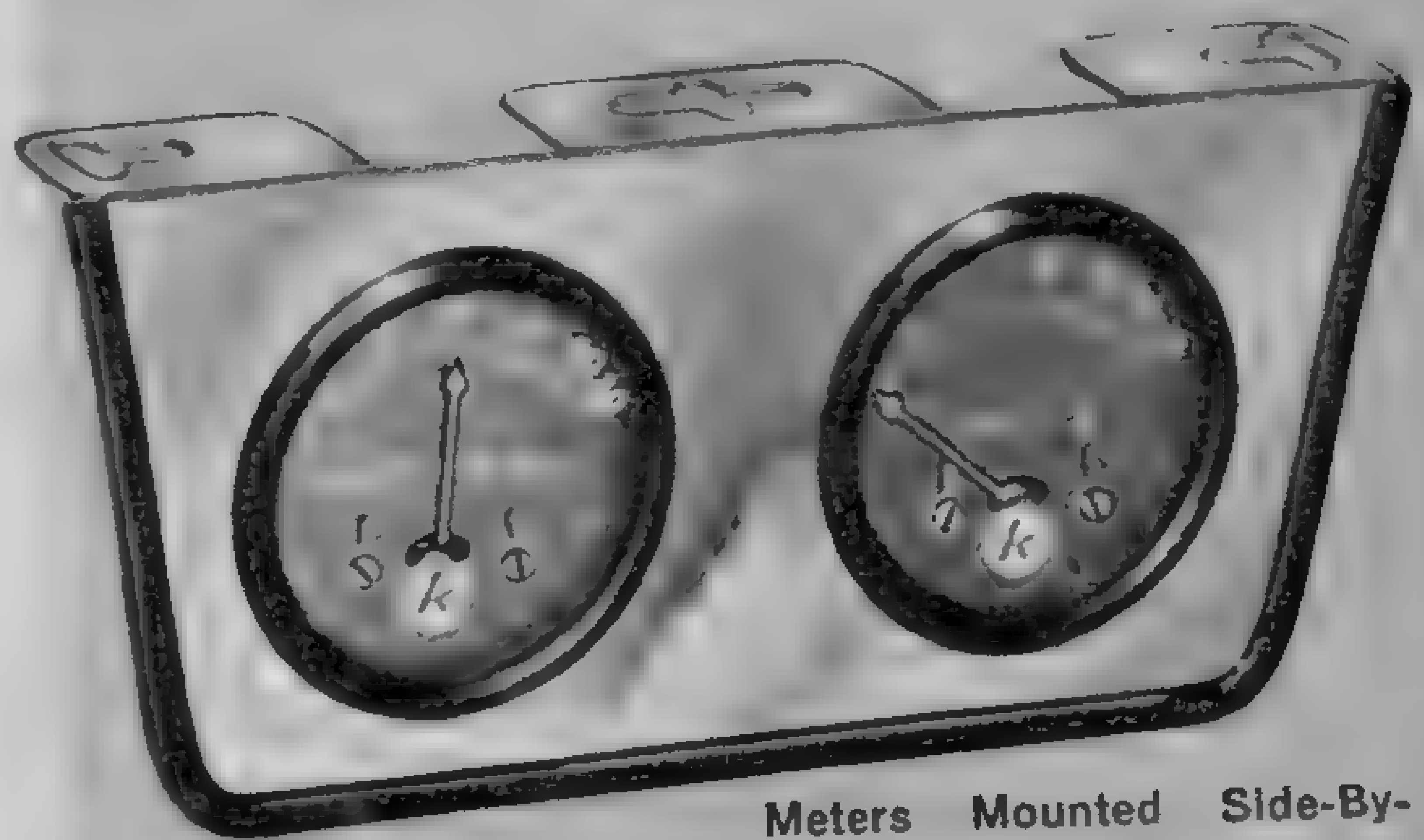
hly accurate and dependable, this easy-to-build meter-voltmeter is perfect for motorists who want re than a flashing red light to tell them how their omobile's electrical system is working. It's an ex- lent accessory for boating enthusiasts, too. Shows at a glance the slightest malfunction of battery, erator or voltage regulator—eliminates all guesswork giving precise indication of voltage and charge or harge current.

tmeter incorporates a special, easy-to-read expanded le—provides accurate indications of voltages from o 15 volts. Ammeter has 0 center scale—reads from 0 to +30 amps to indicate rate of charge and charge. Attractive meter faces are illuminated by ration-proof pilot lights—have large, white numerals rich-looking sky-blue backgrounds. Both meters mounted side-by-side on a handsome, chrome- ted panel with contrasting black rubber trim. embly and installation are a marvel of simplicity— adjustments are necessary after unit is completed. s ready to use the minute it's installed! May be used h either negative or positive ground systems.

it is supplied complete with #10 cables (for all cars ept rear-engine types), mounting panel, all parts, nous Knight-Kit instructions, and information for ng the ammeter-voltmeter in making voltage regula- r adjustments. Shpg. wt., 1½ lbs.

Y 711. ONLY..............................9.95

Know What Your Generator Is Doing... Get Accurate Readings Instantly



5% ACCURACY

Meters Mounted Side-By-Side on Handsome, Chrome-Plated Panel.

Supplied complete with all hardware and universal-type mounting panel—attaches with amazing ease to any dashboard.

"Trans-Midge" Radio Kit

LOW-COST MIDGET TRANSISTOR RADIO

Smart, Compact Modern Styling

Amazingly Easy to Put Together

Operates from a Single Penlight Cell—Has Handsome, High-Impact Plastic Case

ONLY $2.75

iny, 1-transistor radio kit that provides a fascinating, -filled evening for both experienced and beginning builders. This efficient radio will give clear head- ne reception throughout the standard AM broad- st band. Using a high-efficiency transistor, the "Trans- dge" has excellent selectivity and displays remark- e sensitivity—pulls in local stations loud and clear. nsistor serves as a detector and an audio ampli- for greater audio volume. Requires the use of head- nes and an external antenna (below).

pertly designed, this ultra-compact radio incorpor- s a highly efficient, slug-tuned coil for high sensitivity excellent separation of stations. Its low-drain tran- tor provides months and months of operation from e single penlight battery, supplied. Durable case at- tively styled in red. Supplied complete with wire solder, battery, and instructions. Less headphone antenna kit (see below). 3⅝x2⅝x1⅜". Shpg. wt.,

Y 767. ONLY..............................2.75

-OHM HEADPHONES. Shpg. wt., 1¼ lbs.

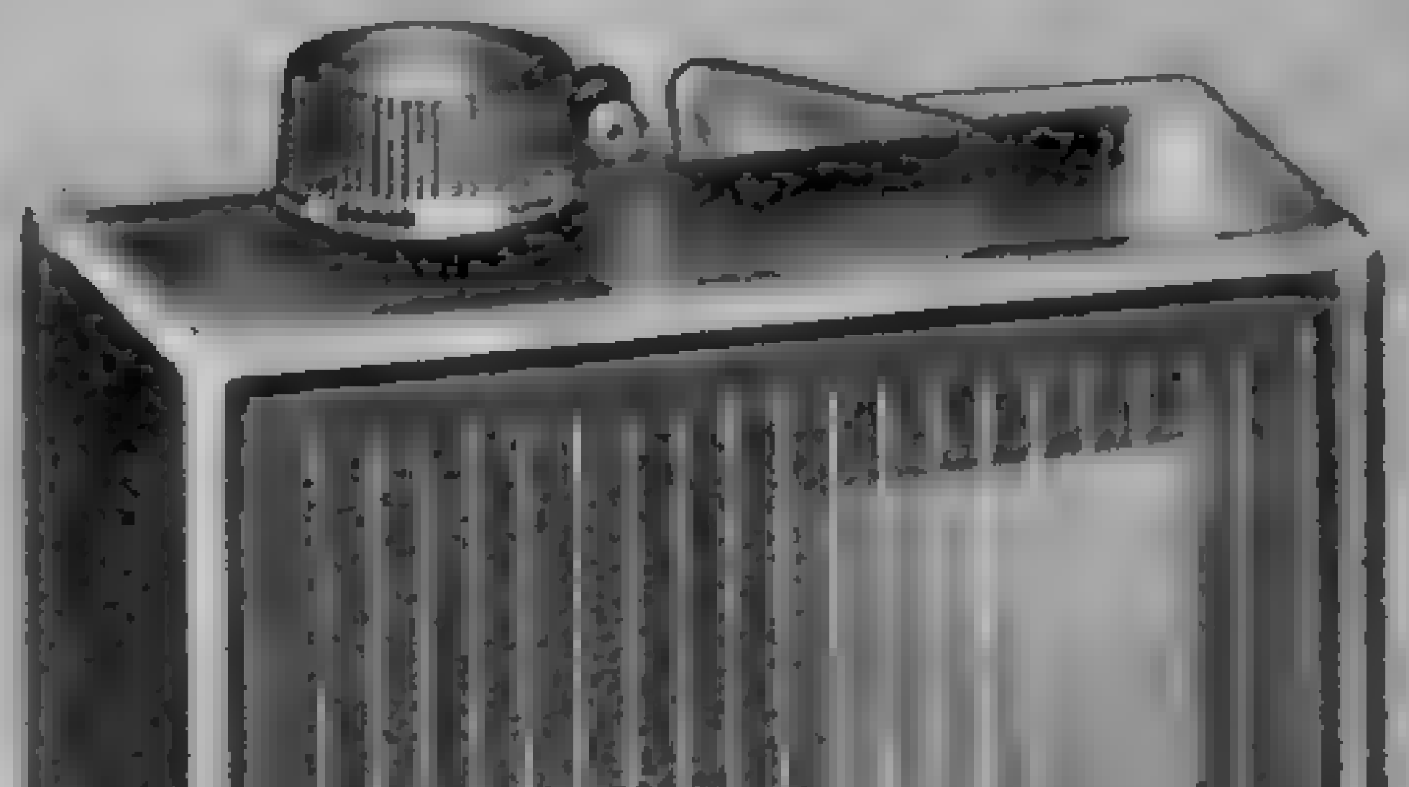
Y 149. NET..............................2.15

TENNA KIT. Shpg. wt., 1½ lbs.

Y 100. NET..............................1.03

Fun to Use—Fun to Put Together

Excellent selectivity and sensitivity —really "pulls 'em in" loud and clear. Operates for months and months on the single penlight battery supplied.



Ultra-compact design—only slightly larger than a package of cigarettes.

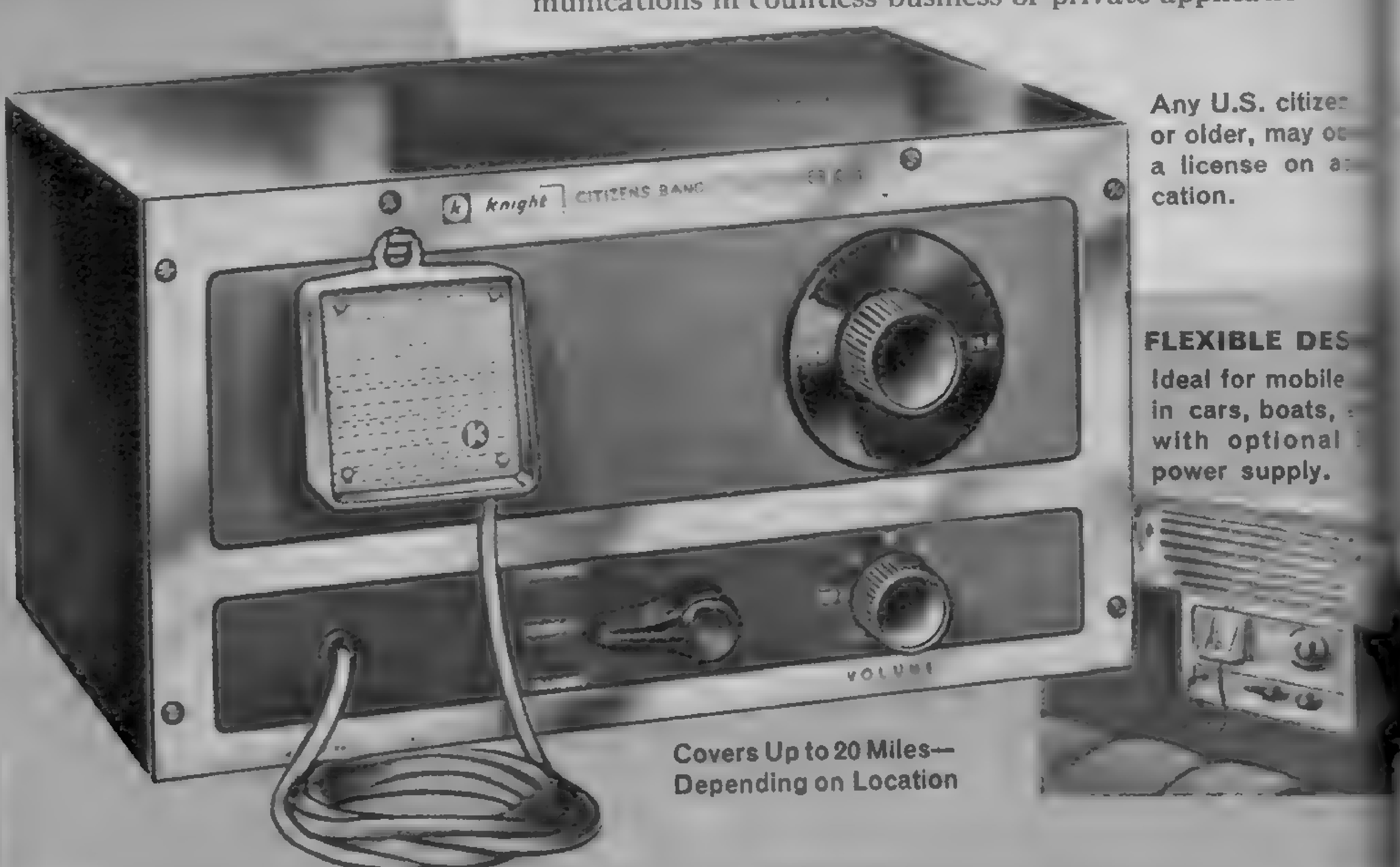
knight-kit
CITIZENS RADIO

Citizens Band Transceiver Kits

QUALITY 2-WAY RADIO EVERYONE CAN AFFOR

If you are a U.S. citizen, 18 or older, *you* can enjoy pers 2-way radio communication—*with no license examinatio* *quired!* Either of the money-saving Knight-Kit transce shown on these pages provides top-notch Citizens Radio c munications in countless business or private applications.

NO LICENSE EXAM . . . JUST MAIL FORM YOU GET WITH KIT TO FCC



Any U.S. citize or older, may o a license on a cation.

FLEXIBLE DES

Ideal for mobile in cars, boats, with optional power supply.

Covers Up to 20 Miles—Depending on Location

ONLY
$39⁹⁵
$2
DOWN

C-11 Low-Cost Citizens Band Transceiver Kit

Full 5-Watt Transmitter—Sensitive Super-regenerative Receiver

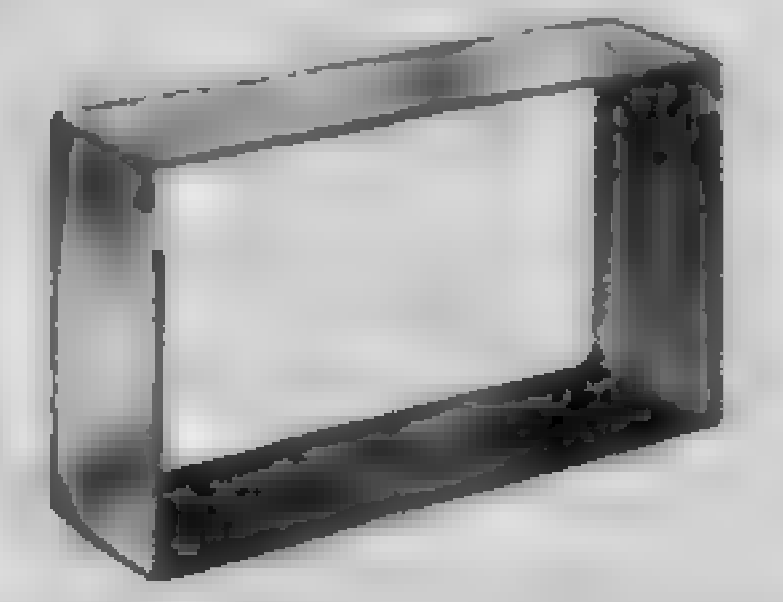
Everything You Need to Go on the Air for Only $39.95 Complete

Receiver Manually Tunes All of the 22 Citizens Band Channels

Here's highly-dependable, amazingly low-cost, 27-mc Citizens Band communication. Featuring a full 5-watt transmitting section and a sensitive, super-regenerative receiver, the popular Knight-Kit C-11 is priced to bring you big dollar savings over the cost of comparable factory-wired units. Receiver section manually tunes all 22 Citizens channels. A convenient, intercom-type switch selects "Transmit" and "Receive" functions. Switch incorporates two "Transmit" positions—one with automatic spring-return to "Receive" position, the other to lock unit in "Transmit" function. Also has Off-On/Volume control.

Unit is complete with built-in AC power supply for indoor use—for mobile operation, use 6-12 volt power supply kit and mobile mounting bracket listed at right. Supplied with mike, wire-type doublet antenna, and transmitting crystal (specify choice of channel 1-22). 6⅛x11⅜x7¼". Less DC mobile power supply. For 105-125 v., 60 cycle AC. Shpg. wt., 12 lbs.
83 Y 713-2. *$2 Down.* **ONLY**.......................................39.95

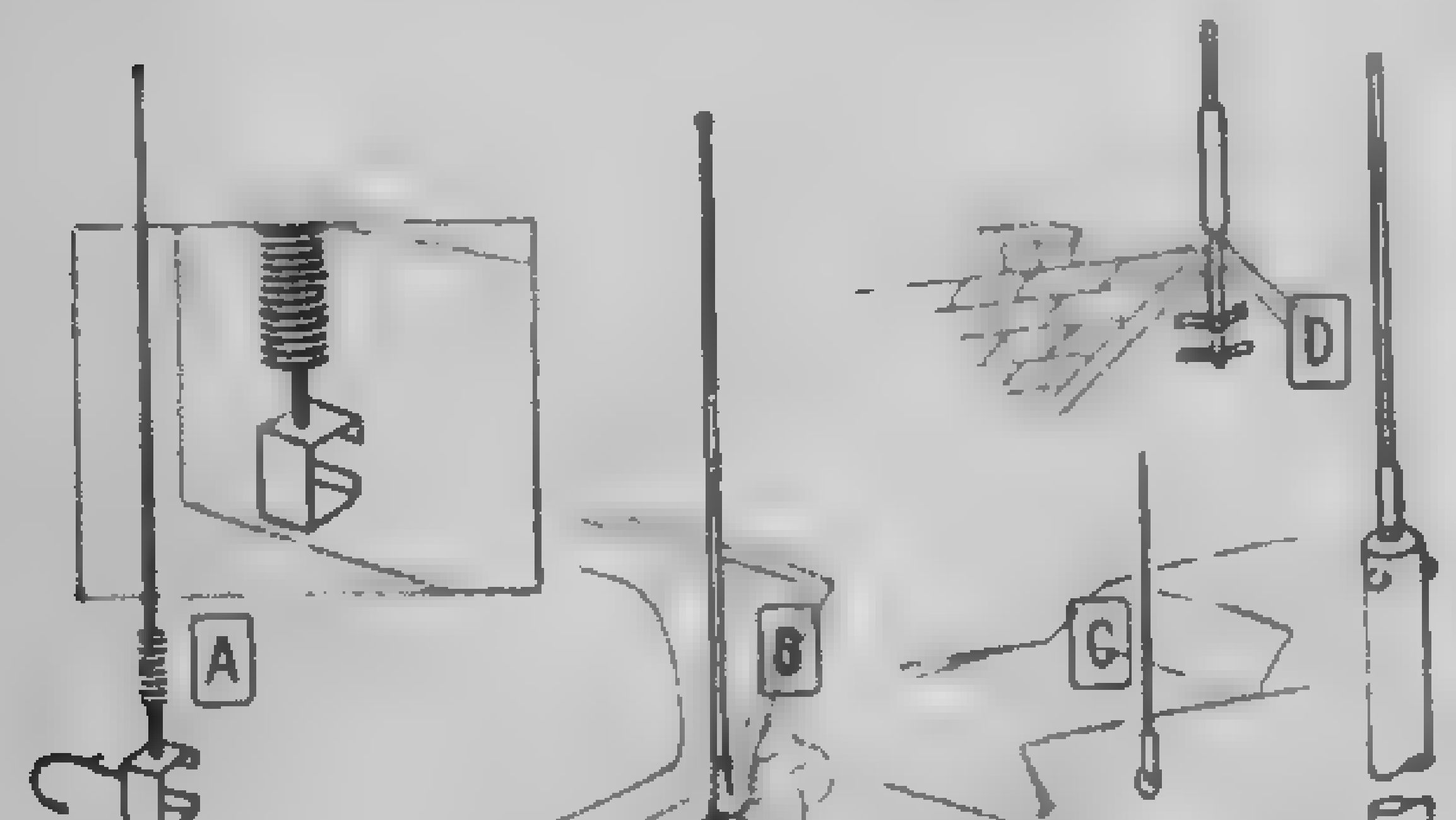
MOBILE ACCESSORIES



MOBILE MOUNTING BRACKET. For under-dash mounting of C-11 in cars, boats, etc. 3 lbs.
83 Y 724. ONLY..........4.35

6-12 V. MOBILE POWER SUPPLY KIT. For C-11. Shpg. wt., 5 lbs.
83 Y 937. ONLY..........9.95

SELECTED CITIZENS BAND ANTENNAS FOR C-11 AND C-



A **83 YX 729. Back-of-Transceiver Whip Antenna.** For limited-range communication with C-11 or C-27. 3-ft. length. 1 lb. **NET**..........5.45

B **78 CZ 189. Mobile Bumper-Mount Antenna.** 102" stainless steel whip and mounting strap. Chrome-plated hardware. Less cable. Shpg. wt., 4½ lbs. **NET**..................10.56

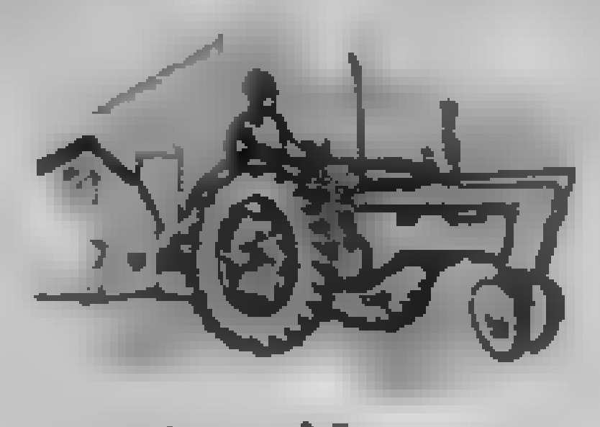
C **78 CZ 182. Mobile Body-Mou tenna.** 102" stainless steel with mounting spring and univ swivel base. Less cable. Shpg. 5 lbs. **NET**.......................

D **78 CZ 190. Coaxial Antenna.** roof mounting on 1¼" TV ing. Less cable; mounting mast. T PL-259 connector. 5 lbs. **NET**..1

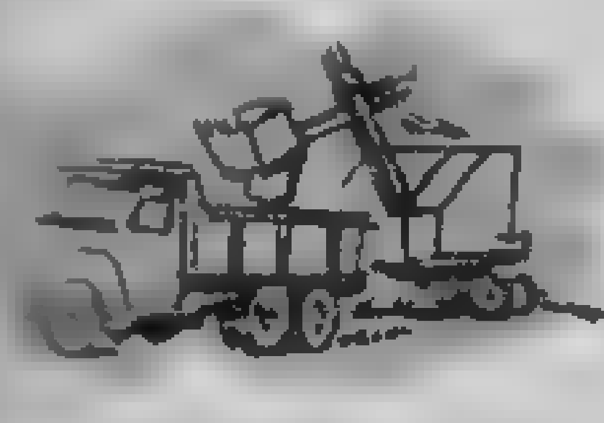
See Page 407 for Complete Listings of Citizens Band Antennas, Cable & Accessories

Your Own Low-Cost 2-Way Radio For Personal or Business Use

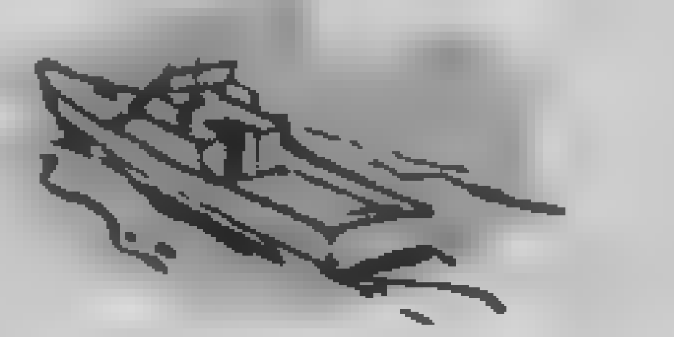
to-Auto . . . Auto
ome or Office



Farming Uses



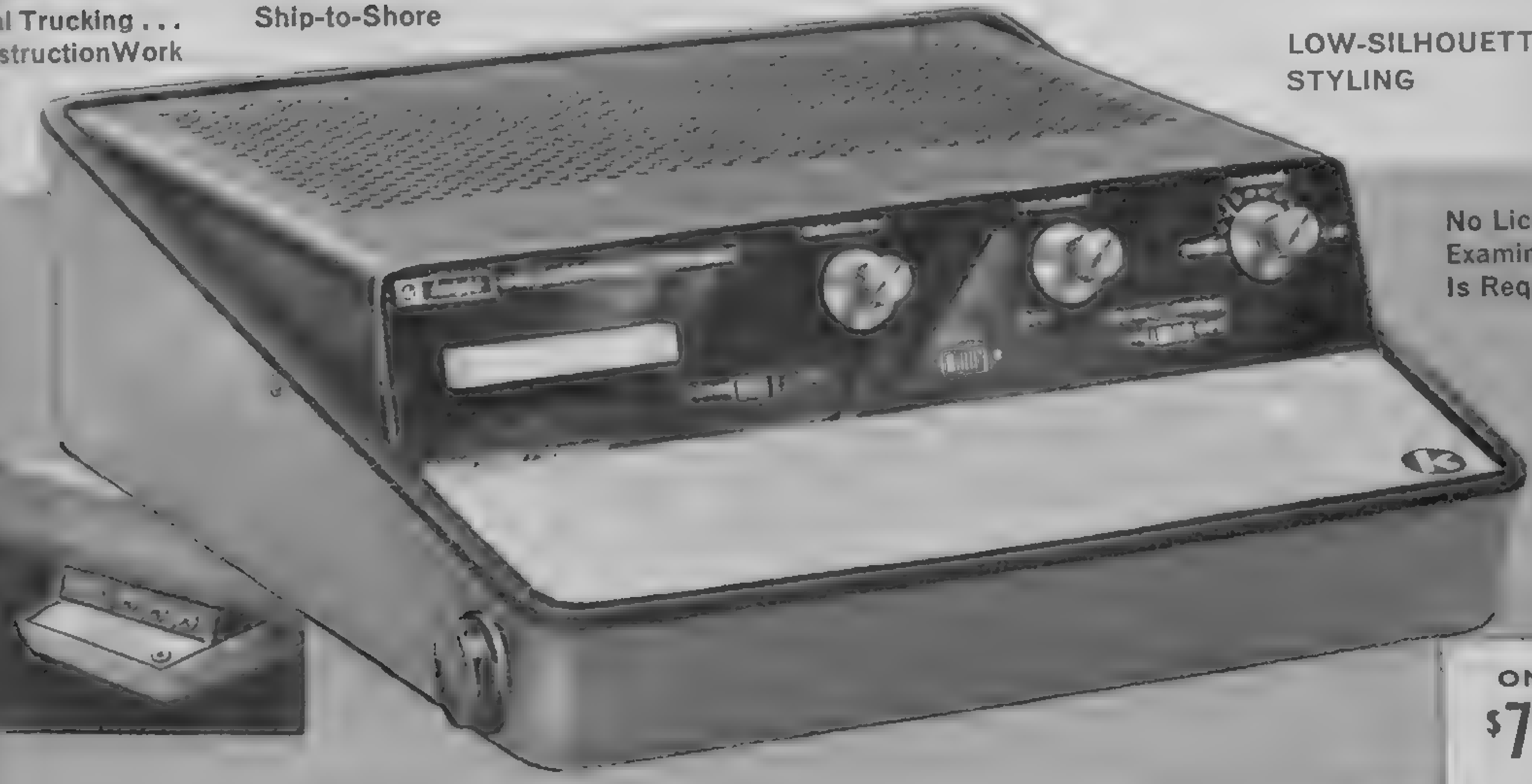
al Trucking . . .
nstructionWork



Ship-to-Shore

EASY TO ASSEMBLE . . . EASY FOR ANYONE TO OPERATE

The 27-mc Citizens Band—allocated by the FCC for use by U.S. Citizens 18 or older—provides 22 radio channels for applications where two-way radio communication has formerly been too costly, or even prohibited. In money-saving, easy-to-build Knight-Kit form, you have your choice of two high-quality Citizens Band transceivers that provide dependable operation in countless personal and business uses. Ideal for the home, office, car, boat—practically anywhere!



LOW-SILHOUETTE STYLING

No License Examination Is Required

ONLY
$^{\$}79^{95}$

$^{\$}5$
DOWN

C-27 Superhet Citizens Band Transceiver Kit

Selective, Dual-Conversion Superhet—Only 3 kc Wide at 6-db Down

Highly Sensitive—Less than ½ μv for 10-db Signal-to-Noise Ratio

Manual Tuning—Plus 2-Channel Crystal Transmitting & Receiving

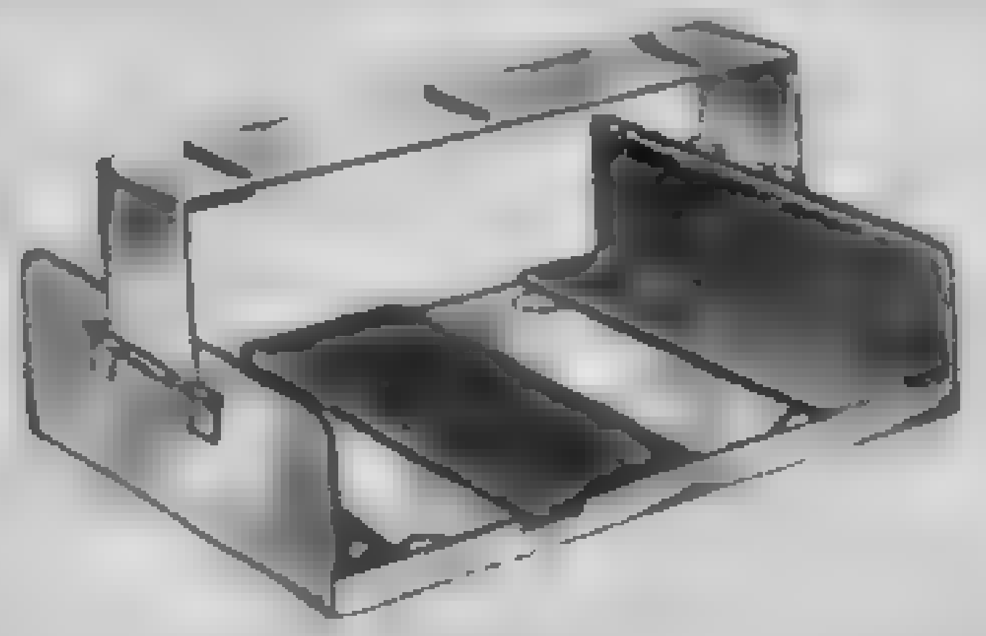
The first deluxe-quality, genuine *dual-conversion* superheterodyne Citizens transceiver to be offered in easy-to-build, money-saving kit form! Amazingly sensitive and selective, it features a superlative array of outstanding features. Transmitter operates at the maximum legal power input of 5 watts—transmits on any *two* crystal-controlled channels; one crystal is supplied with the kit. In addition to continuous 22-channel manual tuning, a switch permits changeover to lock-in crystal reception—has provision for two optional receiving crystals (listed below). Channel switch on front panel provides instant selection of desired transmitting and receiving crystals. Automatic noise limiter cuts interference—continuously variable squelch control provides silent standby operation.

The C-27's sensitivity is better than ½ μv for 10 db of quieting. Super-selective, its adjacent channel rejection is 30 db. Features convenient, press-to-talk intercom-type operation; built-in speaker also serves as mike. Also accepts accessory press-to-talk mike or telephone-type handset, at left. Has gray, high-impact styrene case—black cover and contrasting white grille—edge illuminated panel. Also includes: voltage-regulated, drift-free oscillators; pre-aligned IF transformers; dependable printed circuitry; 7 dual-purpose and 2 single-purpose tubes, VR and rectifier. With 1 transmitting crystal (channels 1-22—specify), wire-type doublet antenna, wire and solder. For mobile use, requires power supply listed at left. With built-in power supply for 105-125 v., 60 cycle AC. 5½x12⅞x15⅛". Shpg. wt., 20 lbs.
83 YX 712-2. *$5 Down.* ONLY 79.95

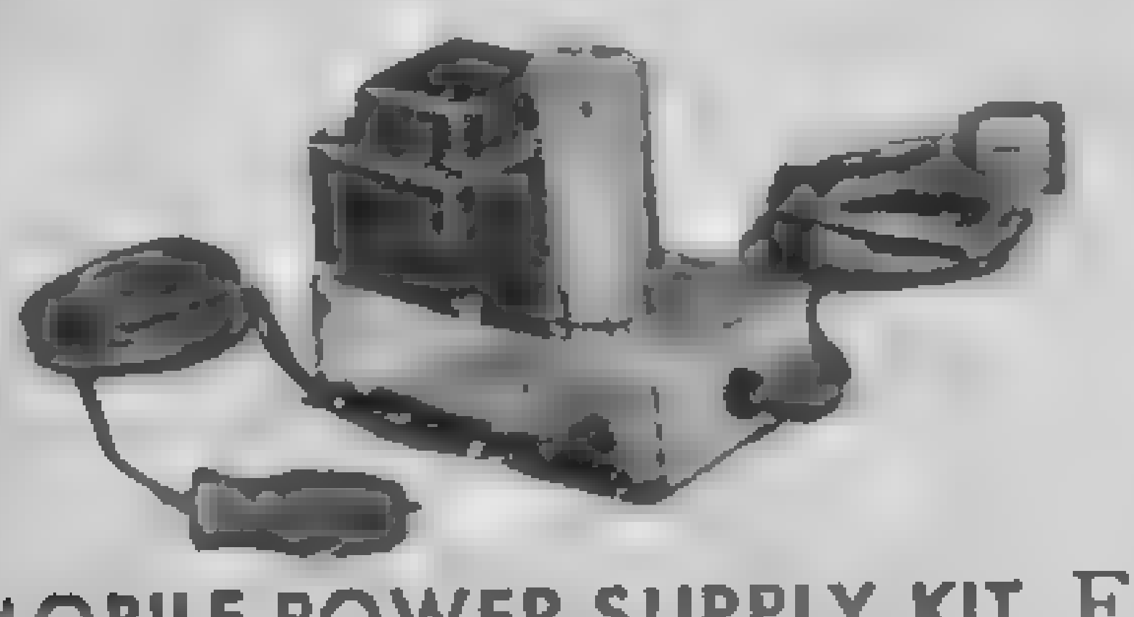
83 YY 769. **Optional Receiving Crystals.** For fixed-frequency reception. 22 channels—specify. (C-27, above, accommodates 2). 3 oz. EACH 1.99

83 YY 921. **Optional Extra Transmitting Crystal.** Choice of channels 1-22—specify. Shpg. wt., 3 oz. NET EACH 1.99

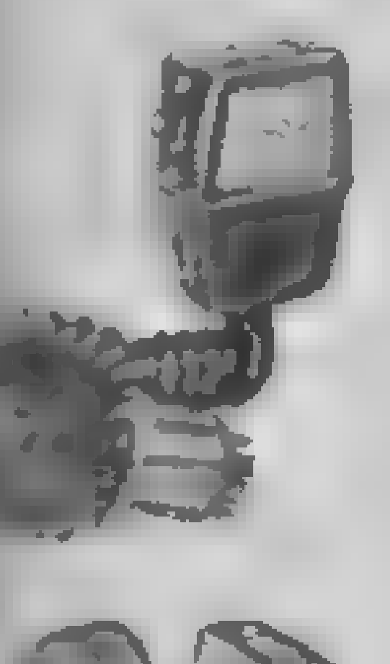
MOBILE ACCESSORIES



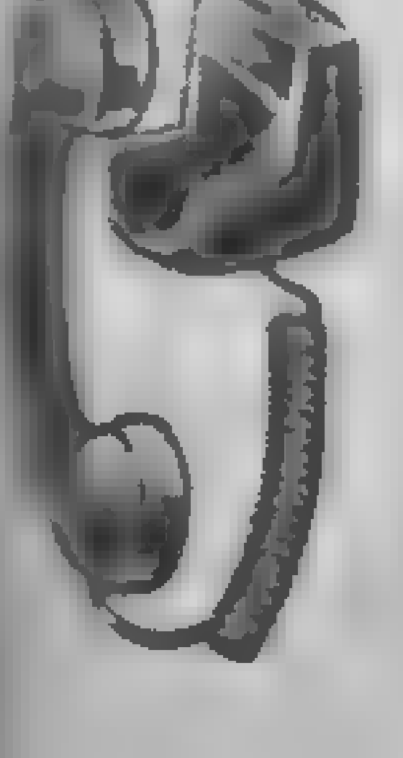
MOBILE MOUNTING BRACKET. Rubber lined. C-27 slips in or out in 10 seconds. 4 lbs.
83 Y 714. ONLY 5.35



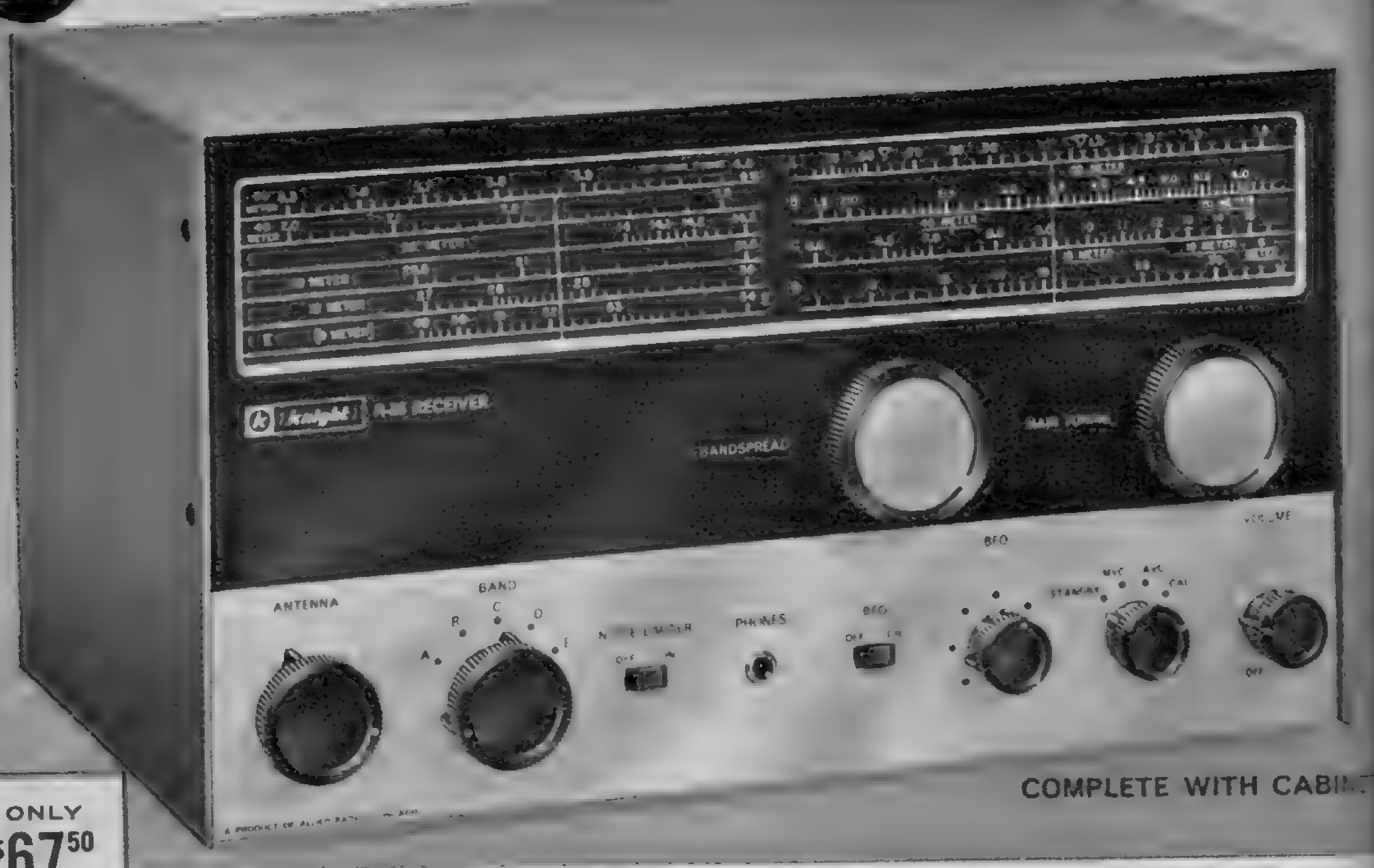
MOBILE POWER SUPPLY KIT. For operating C-27 from 6 or 12 v. With connecting cables. 6 lbs.
83 Y 723. ONLY 12.95



PRESS-TO-TALK MIKE. Ceramic-type—has self-coiling cord. Shpg. wt., 1 lb.
83 Y 719. ONLY . . 9.50



TELEPHONE HANDSET. Cuts out C-27 speaker when lifted from cradle, supplied. With coil-cord. 2 lbs.
83 Y 722. ONLY 19.95



ONLY
$67^50

$5
DOWN

Low-Cost Model R-55 Shortwave All-Band Receiver Kit

IDEAL FOR SWL'S—BEGINNING HAMS—TECHNICIAN LICENSEES ON 6 METERS

General Coverage to 36 Mc —Plus 6-Meter Ham Band

Electrical Bandspread— Calibrated for Ham Bands

1650-kc IF Frequency for High Image Rejection

AVC—Noise Limiter—BF —Built-In PM Speaker

All-new from Knight-Kit—a feature-packed general-coverage receiver in low-cost, easy-to-assemble kit form! Ideal for shortwave listeners and beginning Hams alike, this versatile superhet covers the broadcast band and shortwave from 530 kc to 36 megacycles. Also has an additional range which covers the 50 to 54-mc Amateur frequencies—just the ticket for Hams with technician licenses who want economical 6-meter coverage!

Incorporates electrical bandspread on all Amateur bands from 80 to 6 meters—individual scales calibrated to read direct on each band. Main tuning and Bandspread are flywheel loaded for smooth tuning—large, edge-lit scales are easy to read.

Expertly designed circuit includes AVC (Automatic Volume Control) to reduce fading and blasting. Noise limiter cuts down annoying pulse-type interference. Includes BFO to permit CW and SSB reception—convenient front-panel control for adjustment of BFO pitch. Built-in PM speaker provides loud, clear reception. Also has handy headphone jack on front panel.

Receiver is highly popular superheterodyne type with 2 IF stages for high sensitivity. IF frequency is 1.65 megacycles for excellent image ratio. Chassis includes provision for building-in optional Knight-Kit Crystal Calibrator kit, below. Front panel switch includes "Calibrate" position. Also has taps for powering Crystal Calibrator kit from R-55. Additionally, the carefully engineered circuitry features a fused, transformer-type power supply with filter choke for excellent voltage regulation. "Stand-By" terminals on rear panel for use with an external relay or switch.

You'll find building the Knight-Kit R-55 a rewar experience. World-famous Knight-Kit step-by-step structions make assembly a marvel of simplicity. G wall-size picture diagrams clearly illustrate every de of construction. Simplified point-to-point wir throughout is easy—even if you've had no previous building experience whatsoever! A soldering iron, a of long-nose pliers and a screwdriver are all you nee assemble this top performer and enjoy hour after filled hour of thrilling shortwave listening. St metal cabinet in gray—has attractive charcoal panel. Complete with wire and solder, and eas follow instructions. 8x14¼x11". For 105-125 cycle AC. Shpg. wt., 22 lbs.
83 YU 935. *$5 Down*. ONLY..................67

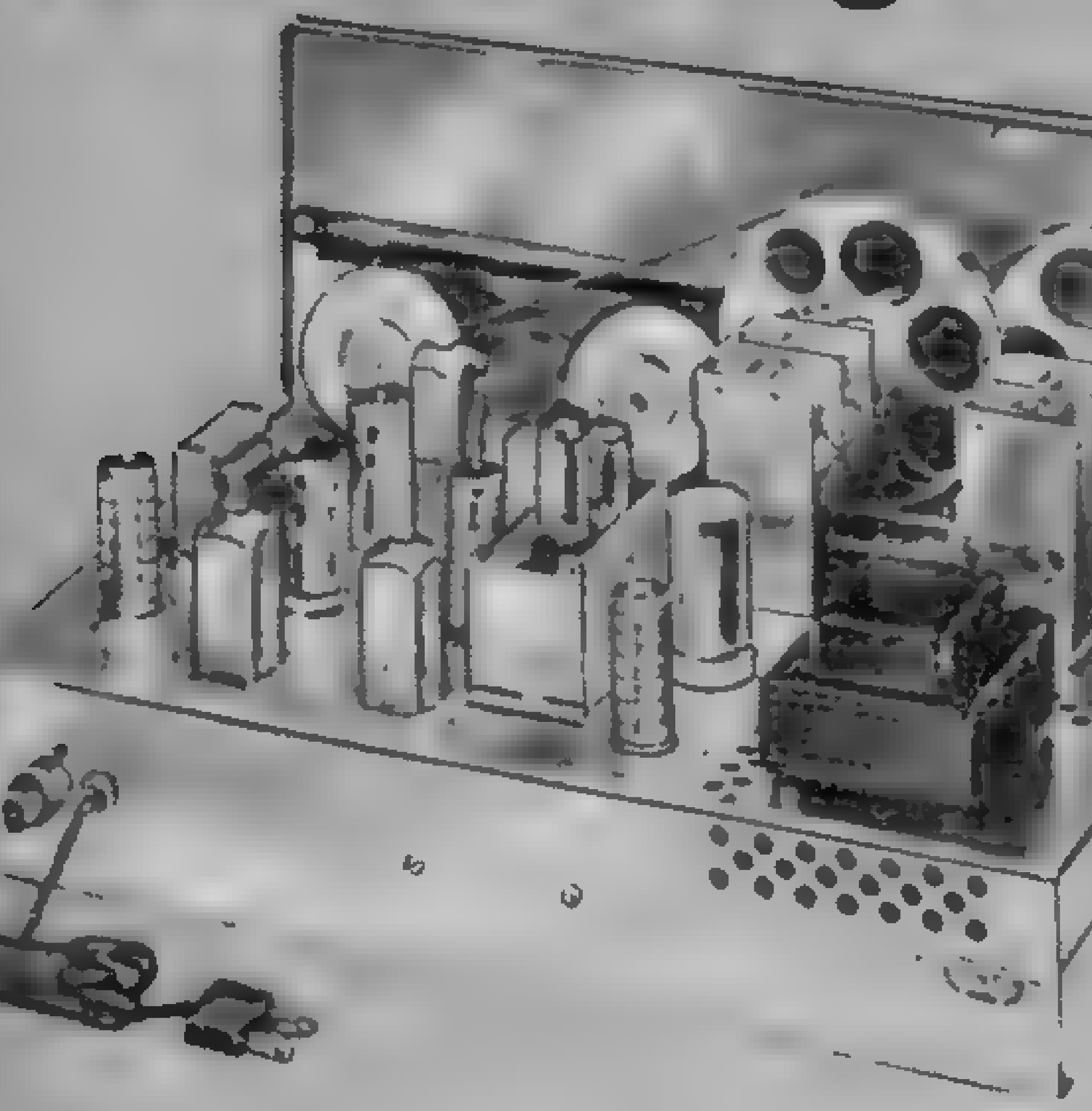
CRYSTAL CALIBRATOR KIT

100-kc crystal calibrator kit for R-55, above. G marker every 100 kc up to 54 mc. Has trimmer for beating with WWV. Obtains power from R-55. C plete with wire and solder. Shpg. wt., 12 oz.
83 Y 256. ONLY.........................

YOU BE THE JUDGE OF VALU

Order the Knight-Kit of your choice and examine spect the easy-to-follow, step-by-step instructio careful packaging of components—the easy i cation of each top-quality part. If you are not com satisfied in every way—return the kit for full re your entire purchase price.

Here's the Big-Value Buy in an All-Band Receiver Kit



Whether you're a beginning Ham or a shortwave listening fan—the Knight-Kit R-55 was designed for **you!** You'll find countless new thrills in store the minute you "spin the dials" and hear the world at your fingertips. It's easy to build and low in cost—a top performer in its class.

A WORLD OF EXCITING SHORTWAVE LISTENING AT YOUR COMMAND!

BIG SET FEATURES AT REMARKABLY LOW COST

- Provision for Adding Accessory, Built-In Crystal Calibrator Kit
- Separate, Edge-Illuminated Slide-Rule Dials for Bandspread and Main Tuning
- Antenna Trimmer For Peak Sensitivity at Any Dial Setting

SPECIFICATIONS

Tuning Ranges: 530-1900 kc (standard broadcast)

3-6.4 mc (shortwave, 80-meter Ham band, etc.)

6.0-20.5 mc (shortwave, 40-meter Ham band, etc.)

12.5-36.0 mc (shortwave, 20, 15, and 10-meter Ham bands, etc.)

47-56 mc (6-meter Ham band)

Intermediate Frequency: 1650 kc.

Image Rejection: From 42 db down at 80 meters to 14 db down at 6 meters.

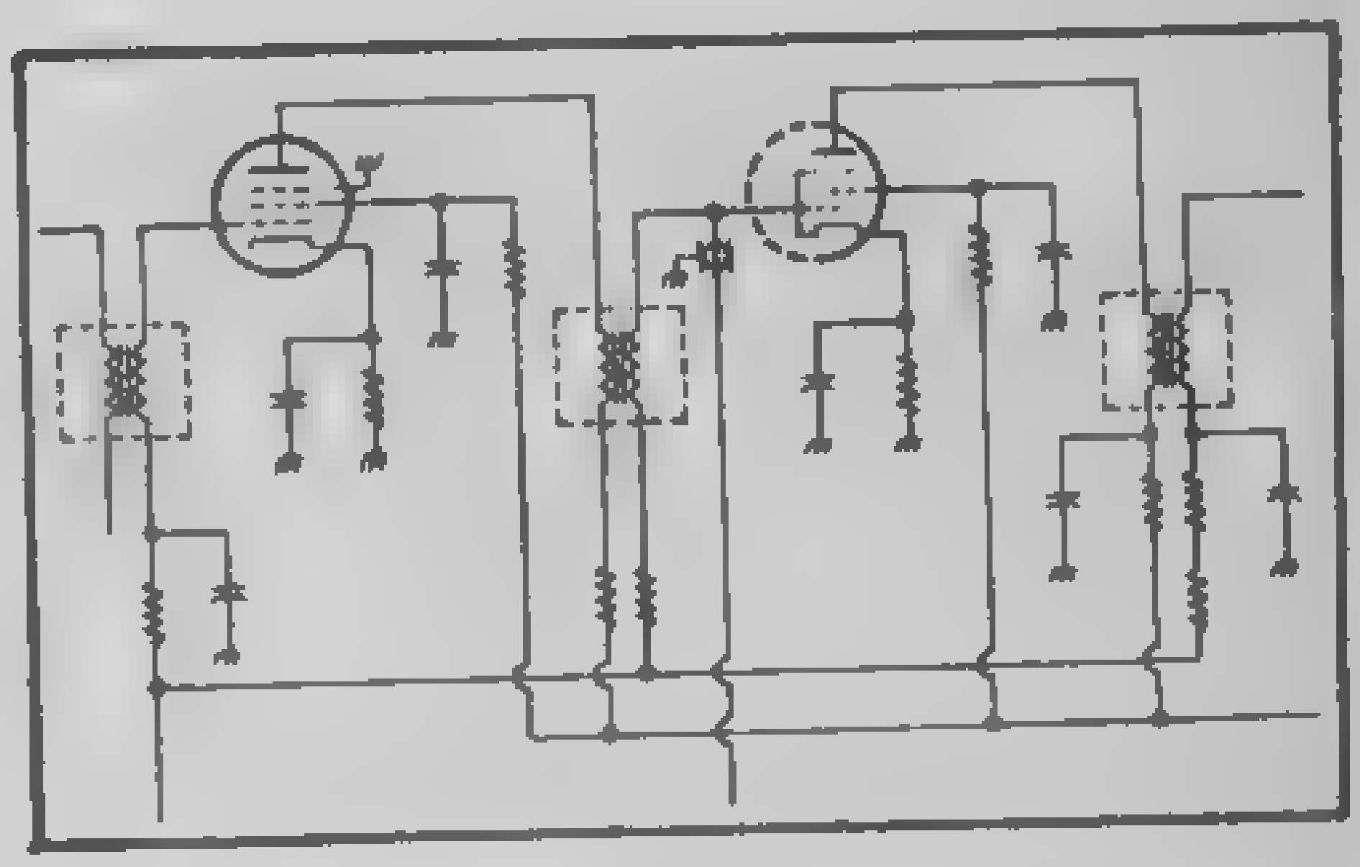
Tube Complement: 6BE6 converter/oscillator; 6DK6 1st IF amplifier; 6AW8 2nd IF amplifier/1st audio amplifier; 6AL5 detector/noise limiter; 6AW8 audio output/BFO; EZ90 rectifier.

Controls: Main Tuning; Bandspread; Antenna Trimmer; Bandswitch; Mode Switch (Standby, MVC, AVC, Calibrate); BFO Off-On; BFO Pitch Control; Volume; Noise Limiter Off-On.

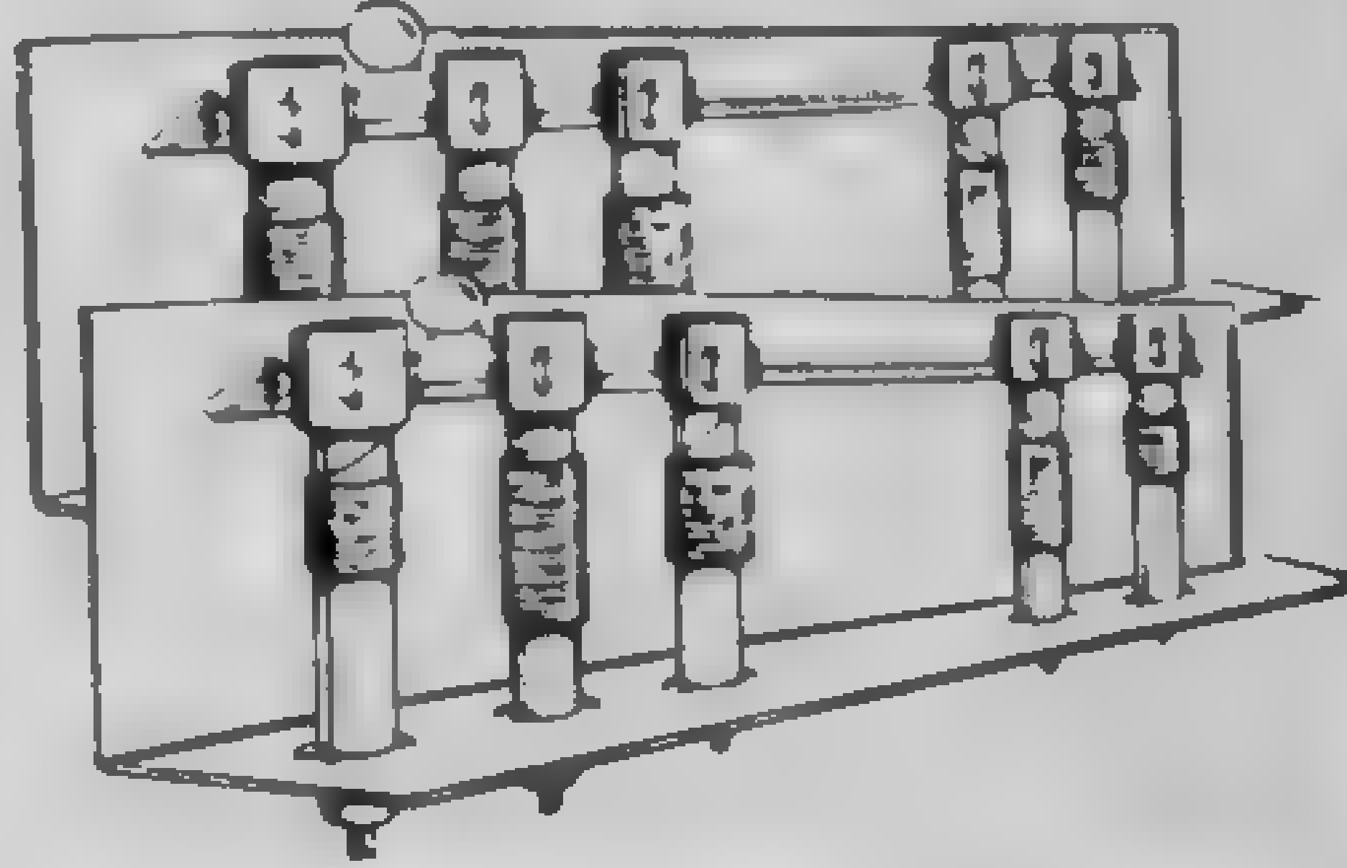
Sensitivity: 80 meters, better than 4 μv; 40 meters, better than 6 μv; 20 meters, better than 8 μv; 15 meters, better than 7 μv; 10 meters, better than 5 μv; 6 meters, better than 10 μv. (These figures indicate exceptionally good sensitivity for a receiver in this price class.)

A WORLD OF FUN TO ASSEMBLE AND OPERATE

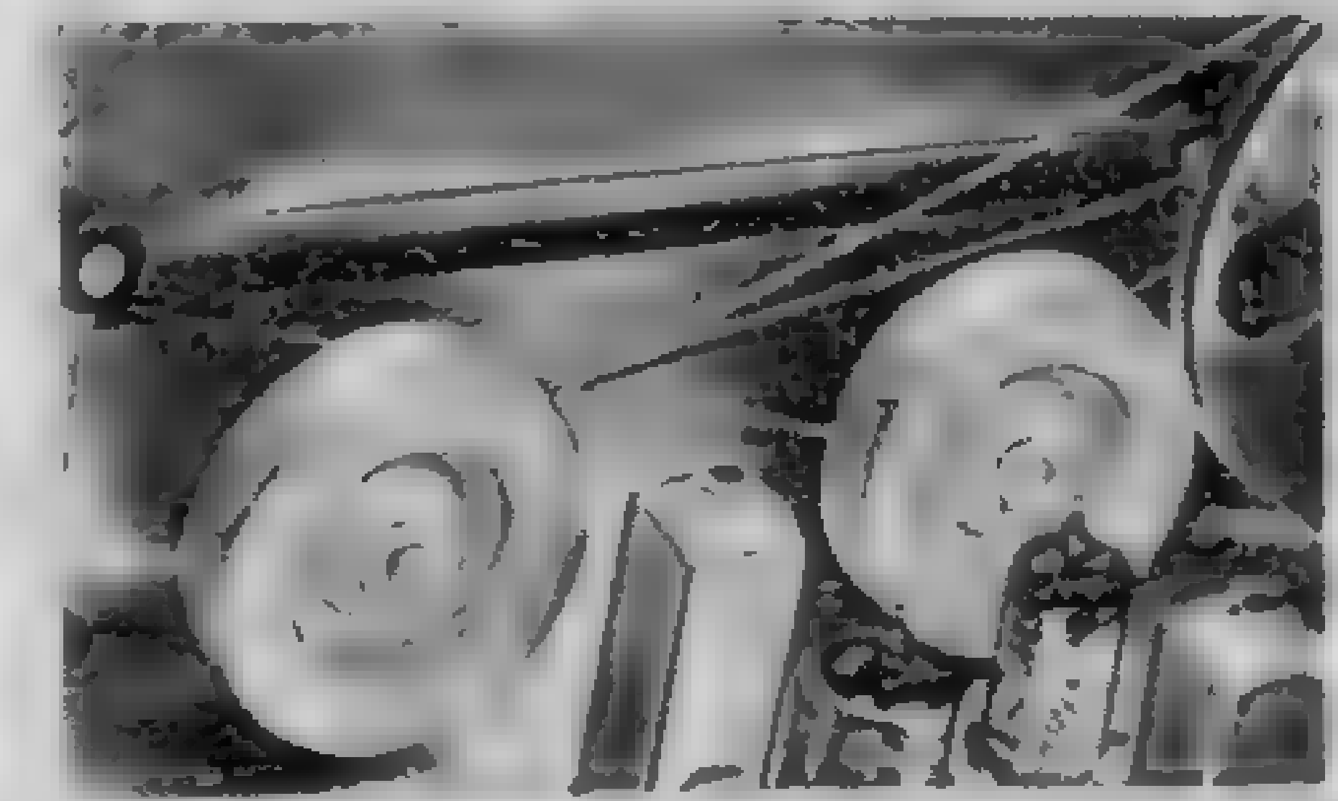
2 IF STAGES. The expertly designed circuitry of the Knight-Kit R-55 Communications Receiver Kit incorporates *two* IF stages for increased sensitivity. An intermediate frequency of 1650 kc is employed to provide an unusually high degree of image rejection.



MODULAR COIL ASSEMBLIES. Contributing to remarkable ease of assembly are two special modular coil assemblies. The coils conveniently mount on two metal "L" brackets, and are assembled before mounting in chassis. "L" brackets also provide excellent shielding between coil banks.



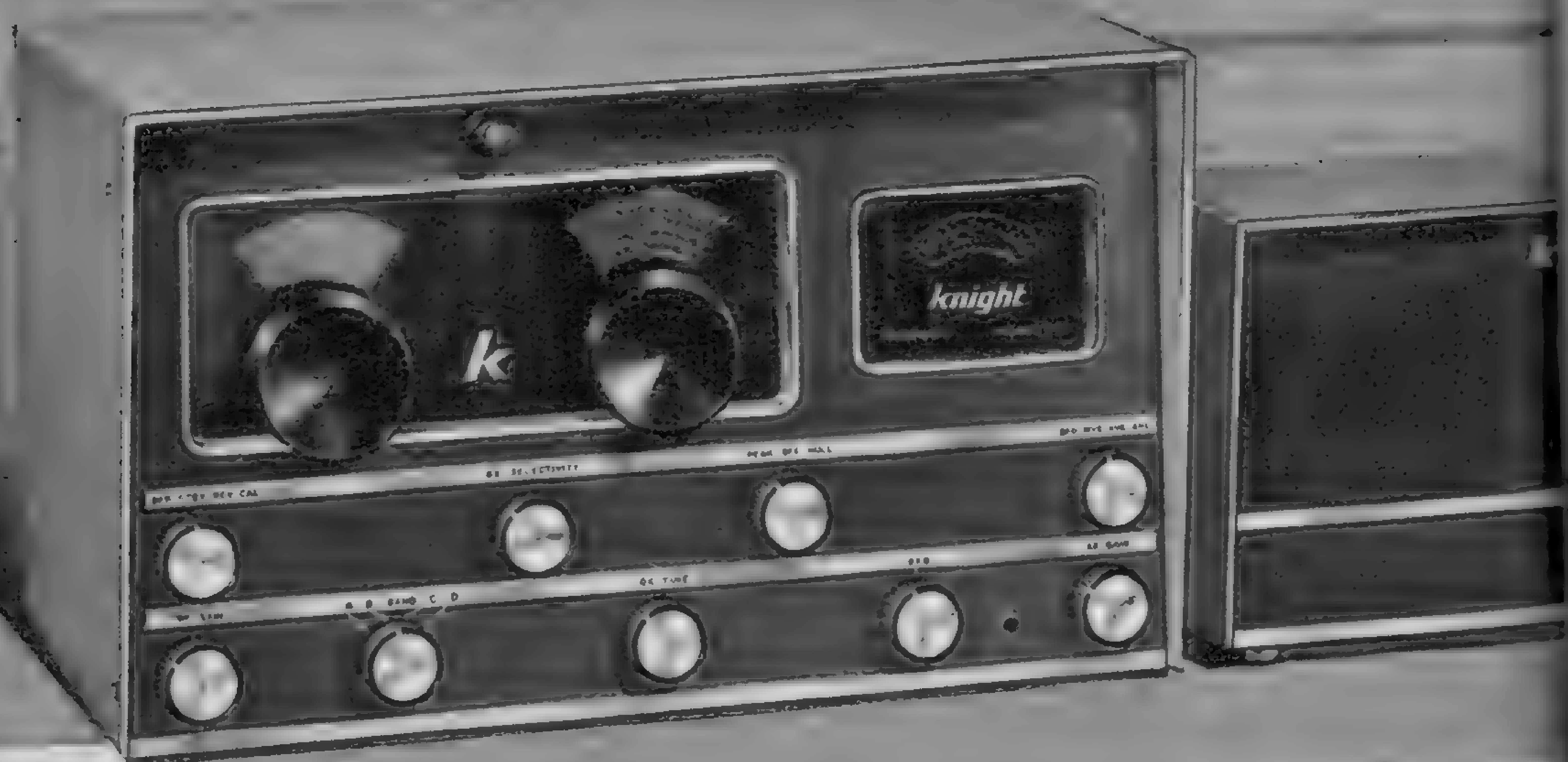
FLYWHEEL TUNING. For unexcelled tuning ease, two heavy flywheel assemblies are employed. Just spin the large, easy-to-grip knobs—and glide smoothly and effortlessly along on both the Main Tuning and Bandspread edge-illuminated slide-rule dials.



ONLY $5 DOWN

Only $5 down buys this feature packed receiver, or any other Knight-Kit priced from $50 to $200. Kits from $20 to $50 require just $2 down—kits priced above $200, only $10 down.

Only the Finest Electronic Components Are Used in Knight-Kits



ONLY
$99.95

$5
DOWN

R-100 Amateur Communications Receiver Kit

AN ULTRA-SENSITIVE, DELUXE RECEIVER FOR THE HAM . . . A REAL "DX-GETTER"!

Better Than 1.5-Microvolt Sensitivity on All Shortwave Frequencies

Continuously Variable Selectivity from 300 cps to 4.5 Kilocycles

Specially Designed Printed-Circuit Bandswitch —a Knight-Kit exclusive

Calibrated Electrical Bandspread on 80 through 10 Meter Ham Bands

An outstanding achievement in communications receiver engineering, this superb kit has gained phenomenal acceptance—there is no other receiver like it! Has all the features, selectivity and sensitivity of high-priced commercial units. Use of printed circuitry throughout assures stable, reliable operation and reduces assembly time—it's an unsurpassed value!

Covers 540 kc to 30 mc in 4 ranges; calibrated electrical bandspread on all Ham bands from 80-10; slug-tuned Hi-Q coils; continuous VR tube-regulated B+ applied to HF oscillator lets you switch from standby to receive with no drift; built-in Q-multiplier peaks desired signal or nulls interference (*60-db notch really takes out interference*); delayed AVC; built-in noise limiter; provision for "building in" crystal calibrator listed on the facing page.

Exceptional sensitivity is the keynote of this top-notch receiver—better than 1.5 µv sensitivity for a 10:1 signal-to-noise ratio, *even on 10 meters.* On 40 and 80 meter bands, its sensitivity is actually ½ to ¾ µv for the same signal-to-noise ratio. Broadcast band sensitivity is 4 µv. Selectivity is variable from 300 cps to 4.5 kc at 6 db down. Exalted BFO injection provides high-quality SSB reception.

Only a little wiring experience and a few ordinary tools are required for anyone to construct this fine communications receiver. Carefully written, step-by-step instructions and giant, wall-size picture diagrams make assembly an easy matter.

Controls: Main Tuning, Bandspread Tuning, Ba Selector, Q-Multiplier Selectivity, Q-Multiplier Tu Peak-Off-Null, BFO Pitch, RF Gain, AF Gain, BF MVC-AVC-ANL, Off-Stdby-Recv-Cal, antenna tr mer and headphone jack. Coaxial and screw-termi antenna connectors for 50 to 300-ohm lines. Cl tolerance coils assure minimum alignment time. 4 kc IF. Gray metal case; chrome trim and black kn 9⅝x16⅛x10¾". Complete with case, tubes, all pa wire, solder, and instructions. Less speaker and meter, below. For operation from 105-125 volts, cycle AC. Shpg. wt., 31 lbs.
83 YU 726. *$5 Down.* **ONLY**..................99.

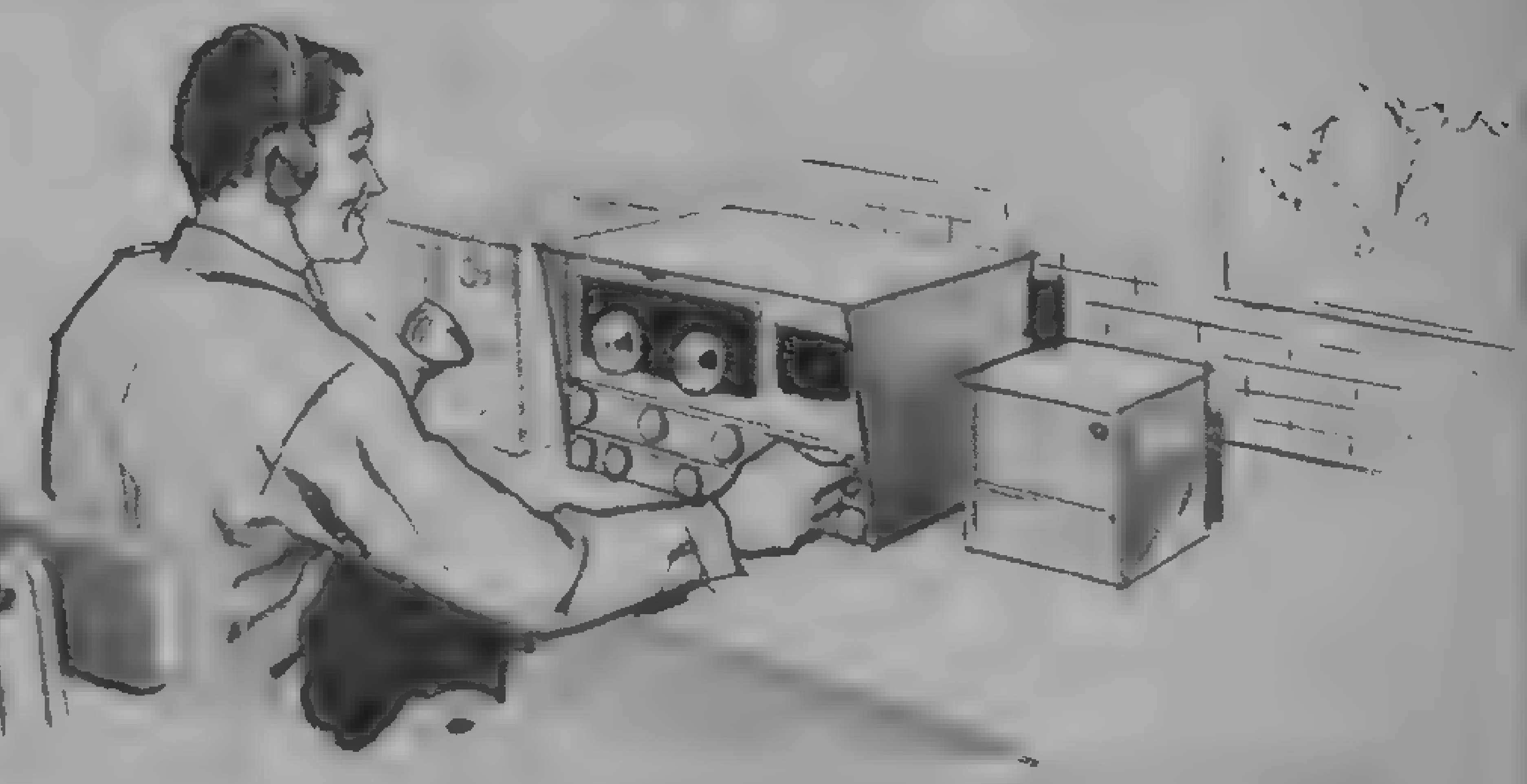
MODEL S-8 SPEAKER KIT. Matching 4" speaker Knight-Kit Communications Receiver. Features s cially designed cone for peaking voice frequencies a reducing QRN. In matching gray metal cabinet chrome trim. Voice coil impedance is 8 ohms. S 6⅞x6⅝x5⅝". Shpg. wt., 3¼ lbs.
83 Y 728. ONLY..........................9.

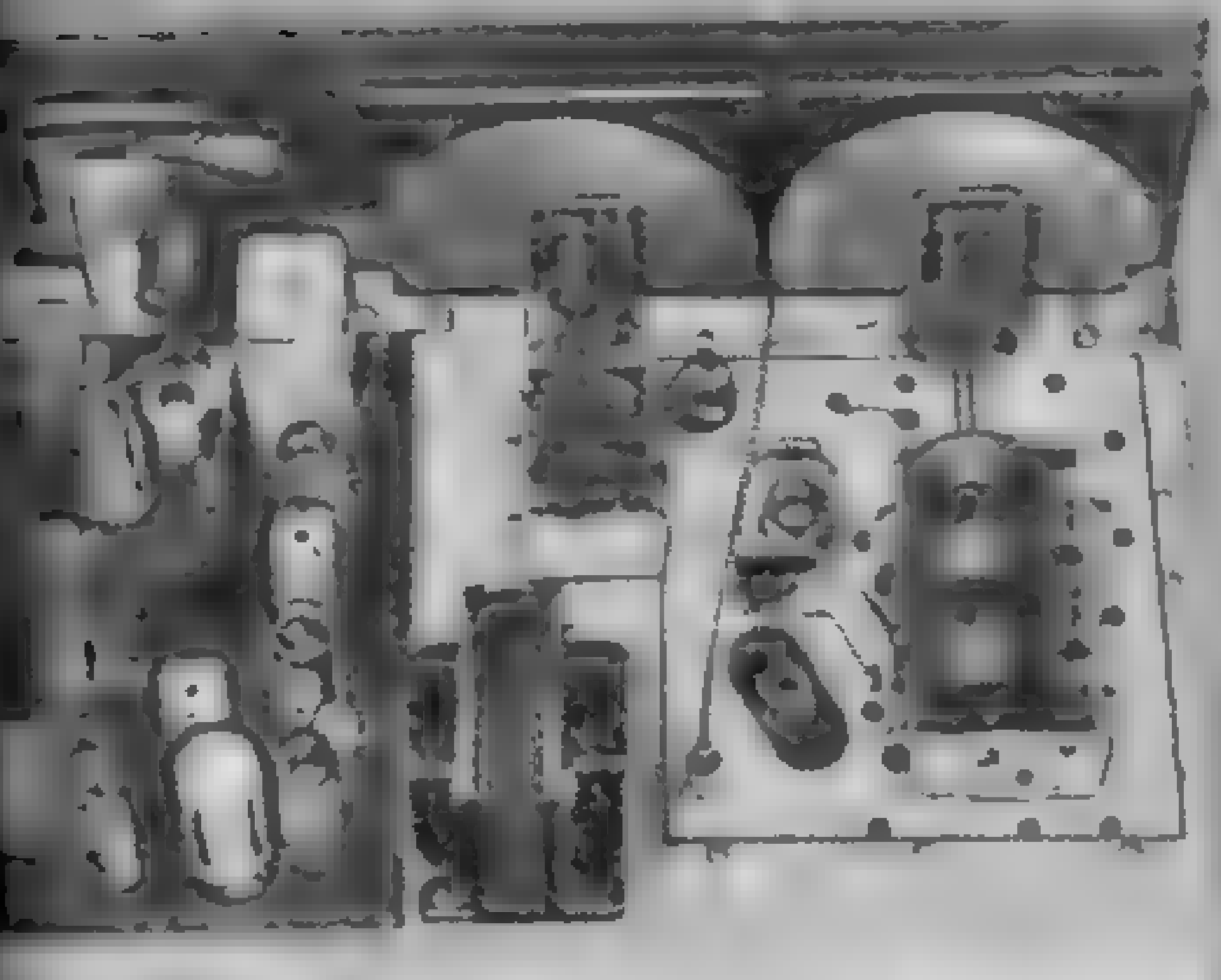
M-5 S-METER KIT. For the Knight-Kit Communicat Receiver Kit, above. Calibrated in nine "S" units approximately 6 db each so that each step is double signal strength of the preceding one. The last two ca brations read +10 db and +20 db over S9. With parts, wire and solder. Shpg. wt., 12 oz.
83 Y 727. ONLY..........................12.

See Crystal Calibrator Accessory at Right

Build This Exciting Professional-Type Receiver

This outstanding receiver kit corporates the most up-to-date advances of modern receiver engineering. was designed by engineers, who are emselves licensed Amateur operators, o meet the highest standards of Amateur performance. As a result, ey have produced an exceponally capable receiver that s truly worthy of the advanced Ham—it's easily comparable to actory-built units costing far more.





SPECIFICATIONS

Frequency Range: Continuous coverage from 540 kilocycles to 30 megacycles in 4 ranges.

Sensitivity: Better than 1.5 µv for 10 db s/n ratio; 4 µv on BC band.

Variable Selectivity: Q-multiplier, in Peak position, provides continuously adjustable IF bandpass from 300 cps to 4.5 kc at 6 db down; provides 60 db notch in Null position for rejection of interference.

Q Multiplier: Choice of peak or null across IF bandpass.

Intermediate Frequency: 455 kc.

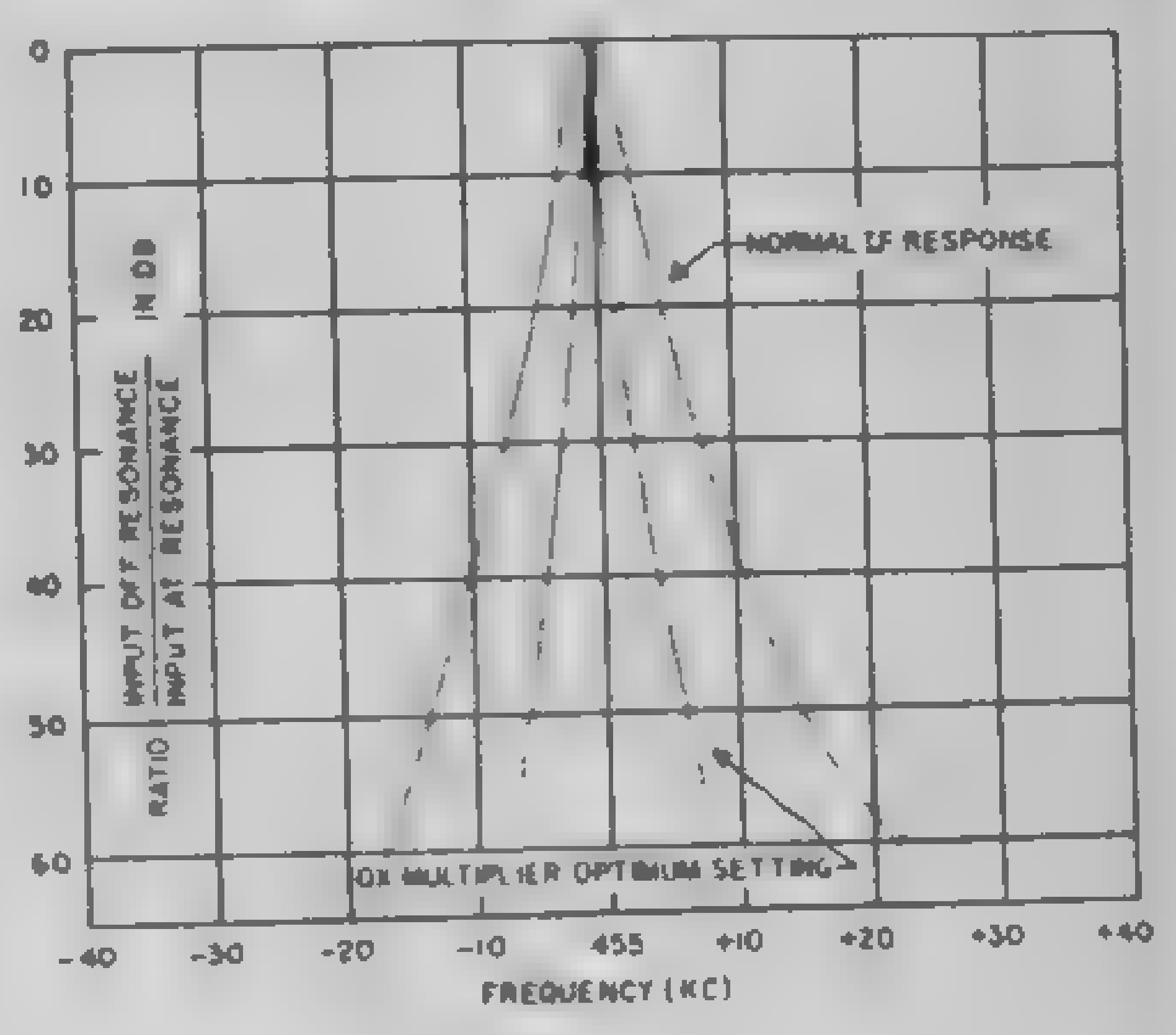
Image Rejection: 540-1650 kc—80 db on low end, 40 db on high; 1.6-4.6 mc—68 db on low end, 40 db on high; 4.4-12.4 mc—30 db on low end, 25 db on high; 12-30 mc—40 db on low end, 20 db on high end.

Tube Complement: 6BZ6 RF Amplifier, 6BH6 Mixer and HFO, 6AZ8 1st IF Amplifier, 6AZ8 2nd IF and 1st Audio, 6BC7 Detector-AVC-ANL, 6AW8A BFO and Power Amplifier, ECC83/12AX7 Q Multiplier; 6X4 Full-Wave Rectifier and 0B2 Voltage Regulator.

Audio Output Impedance: 8 ohms. For PM speaker.

PROOF OF OUTSTANDING SELECTIVITY

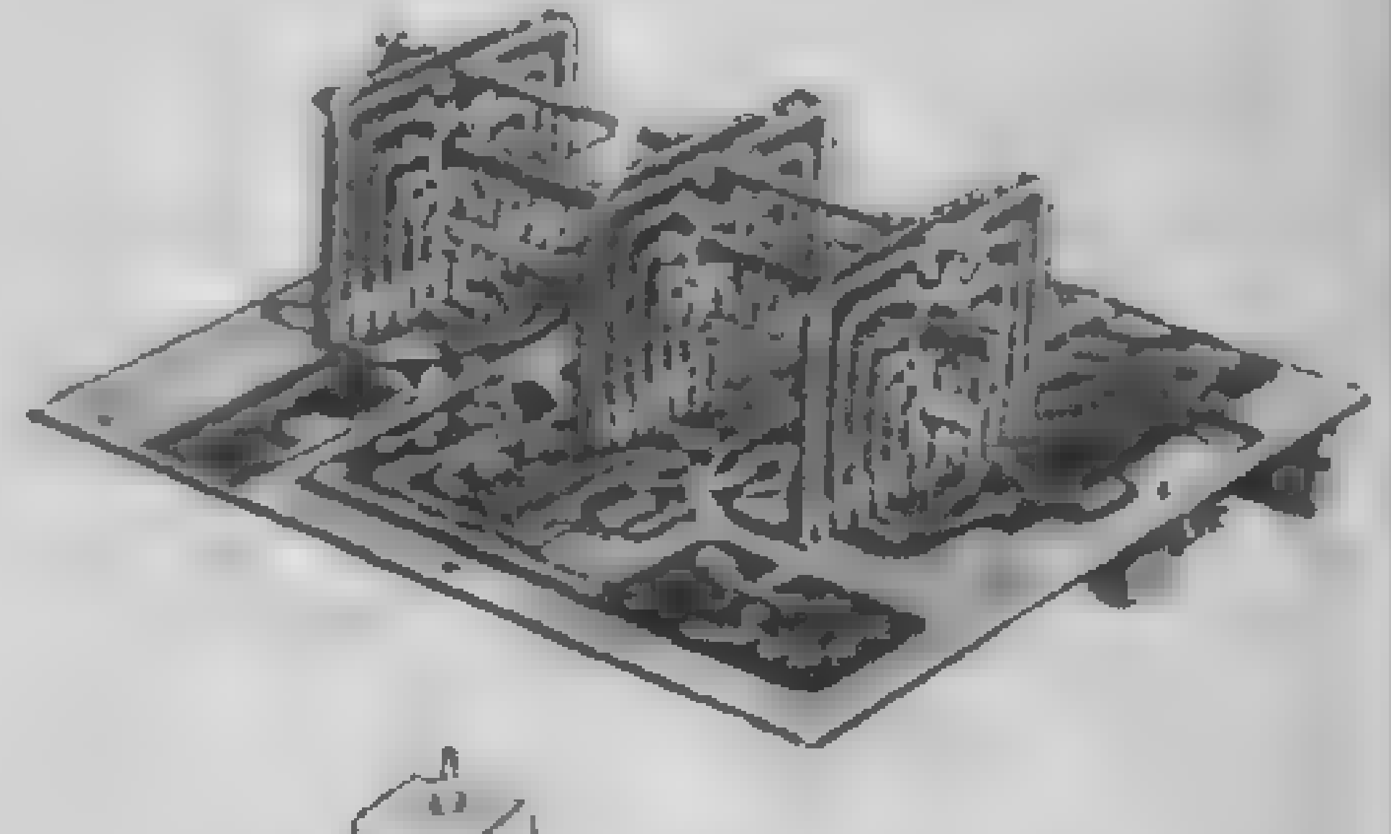
The Knight-Kit receiver offers excellent selectivity characteristics. Note the selectivity curves shown at right: 1) Normal selectivity curve with the "Q" multiplier in the off position. 2) "Q" multiplier in the Peak position provides single-signal CW reception—makes stations "pop out" of the interference; "Q" multiplier Tune control lets you slide the "peak" across IF bandpass.

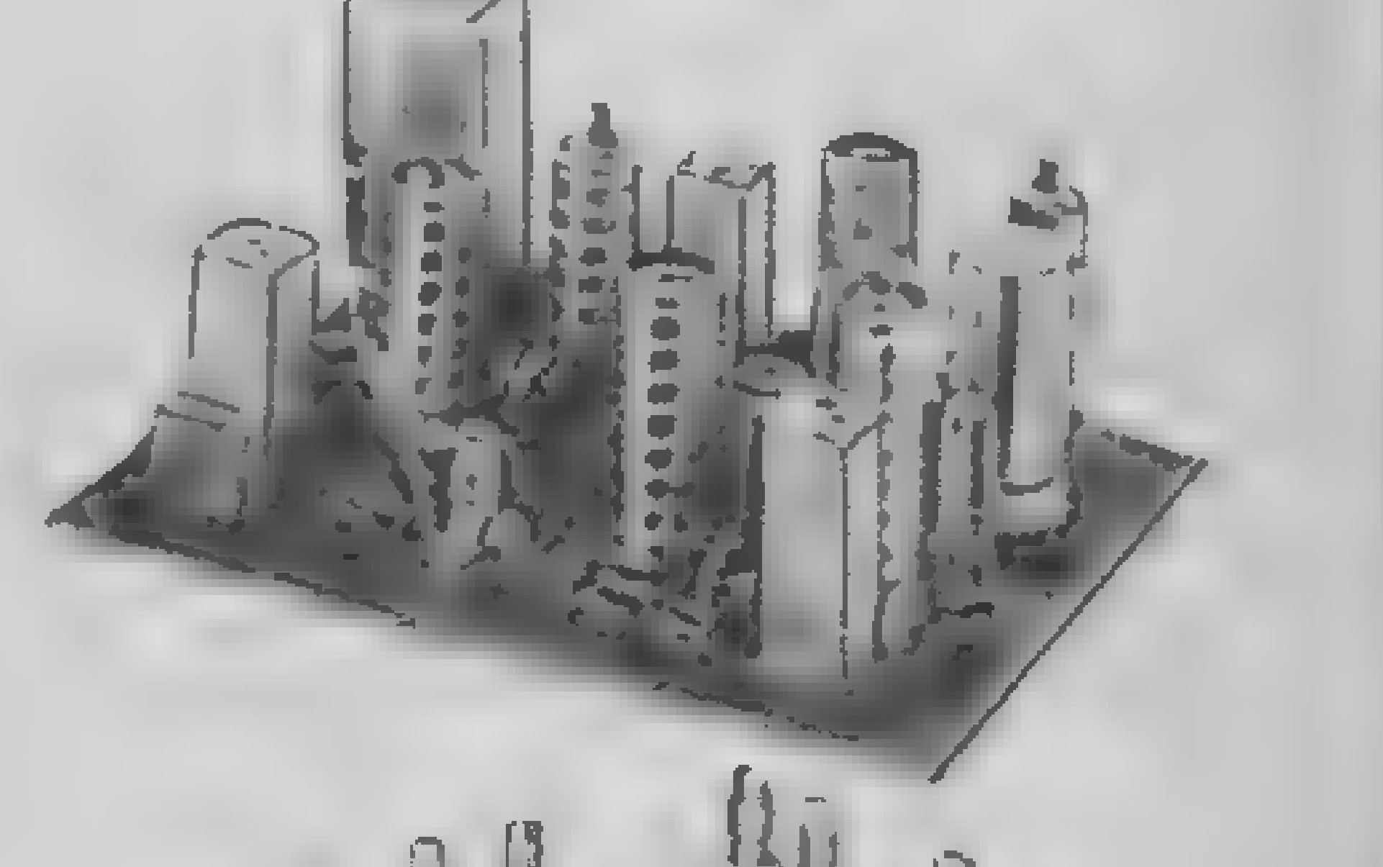


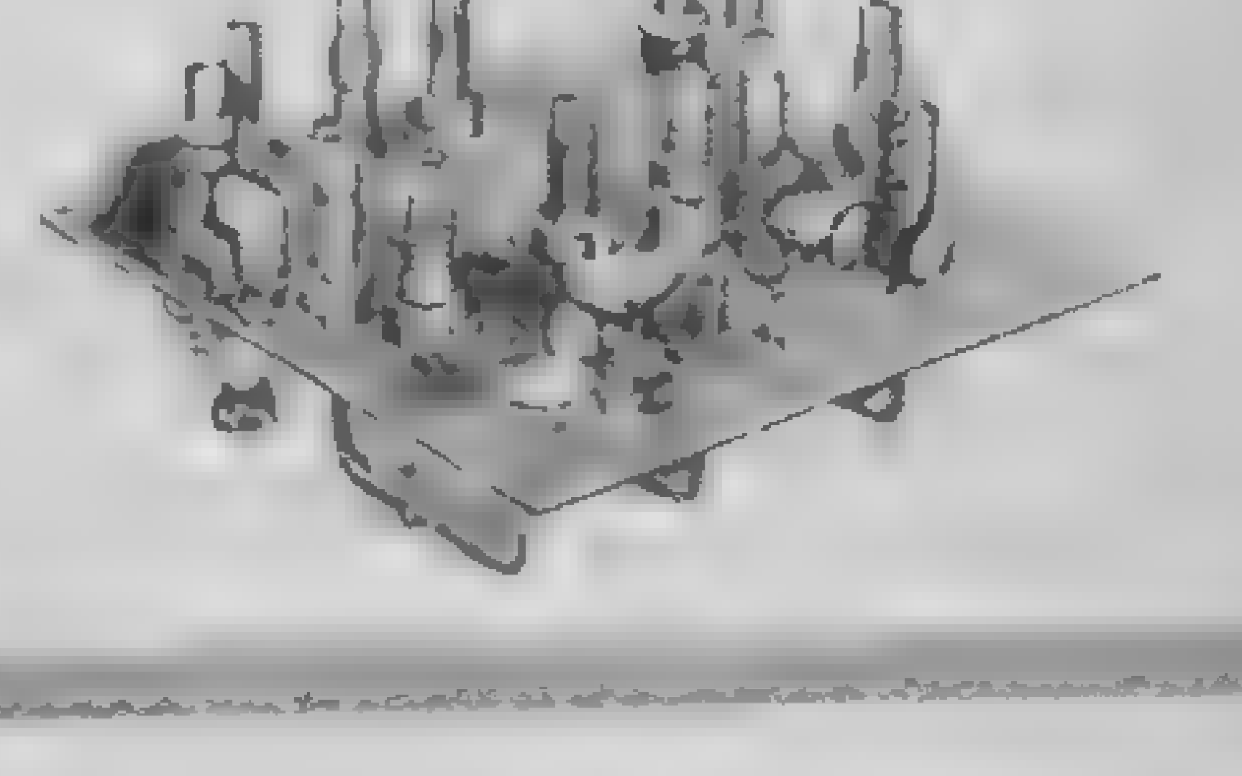
UNSURPASSED DESIGN FEATURES

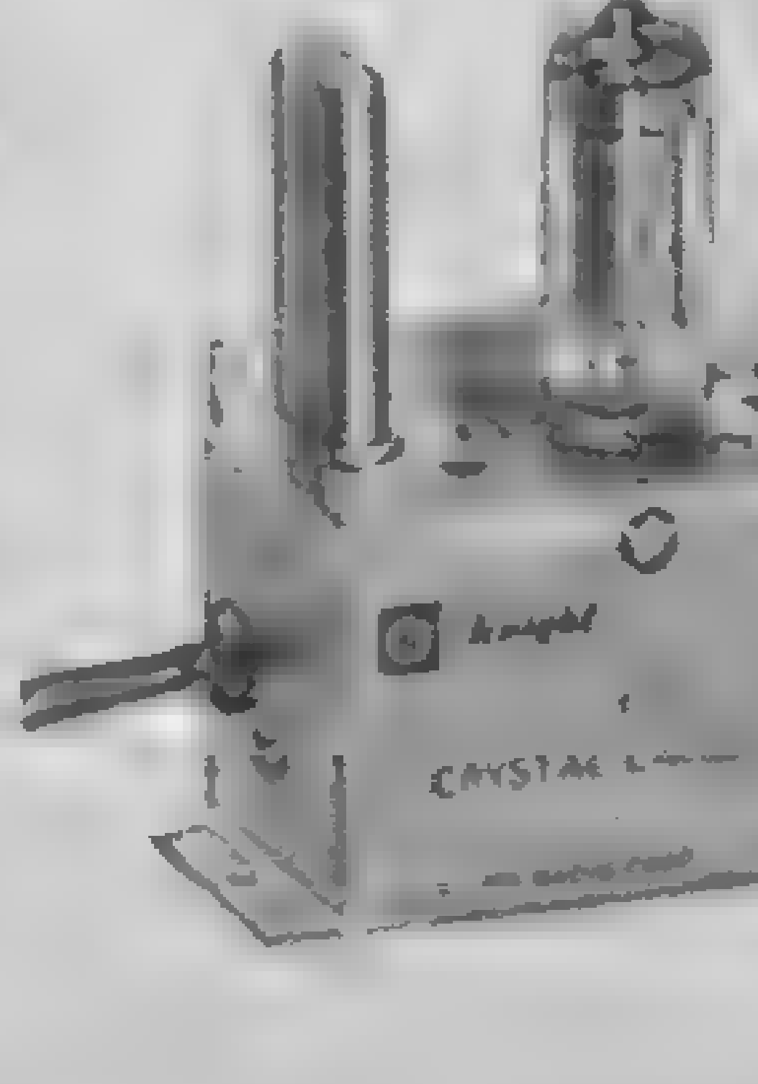
Unique Printed Circuit Bandswitch. A Knight-Kit innovation—reduces assembly time to a minimum. Simply plug the bandswitch into the RF printed circuit board—makes 32 error-free connections simultaneously! Eliminates critical lead dress—you can't go wrong.

Two Printed Circuit Boards. Virtually all circuitry (RF, oscillator, converter, voltage regulator, IF, audio, BFO and rectifier stages) is on two printed circuit boards. Greatly simplifies construction, and makes an extremely important contribution to stability and overall performance.









Low-Cost 100-kc Crystal Calibrator Kit

Low-cost frequency standard for Knight-Kit or other receiver. Gives marker every 100 kc up to 54 mc. May be powered by R-100 receiver or any source of 6.3 v. at 0.15 amp and 150-300 v. DC at 3-6 ma. Trimmer for zero-beating with WWV; on-off switch. 3½x2½x1½". Complete with wire and solder. Shpg. wt., 12 oz.
83 Y 256. ONLY.................... 10.95

knight-kit
AMATEUR GEAR

Illustrated Complete with SSB and Scope Accessories

ONLY
$495.00
$10
DOWN

T-400 Amateur 400-Watt Transmitter Kit

OVER 3 TIMES THE POWER OF MOST FACTORY-WIRED TRANSMITTERS IN THIS PRICE RANGE

The greatest transmitter value ever offered! Unique modular design, a tremendous array of advanced features, high power, and professional styling put the outstanding T-400 in a class all by itself—no other transmitter can give you so much for your money!

The basic unit consists of a complete 400-watt CW transmitter which provides excellent coverage of the 80, 40, 20, 15 and 10-meter bands. In addition, the basic unit has provision for the inclusion of easy-to-build AM modulator, SSB generator, and speech amplifier accessory kits listed below. With these modular units installed, all three modes of operation, CW, AM, and SSB, can be used.

Built-in, low-frequency, heterodyne-type VFO, with crystal oscillator features precise dial resetability and high stability—after 15 minute initial warmup period, drift never exceeds 50 cycles. VFO has silver alloy contacts. Operates at 4.9 to 5.5 mc for 80-20-meter operation; 3.8 to 5.6 mc for 15 and 10-meter operation.

Unique keying network provides excellent shaping of CW waveform—eliminates thumps, chirps, and key clicks; provides an outstanding CW note. On AM, adjustable speech compression maintains high modulation level. Gated-screen, controlled-carrier modulation system approaches plate modulation in its efficiency; maintains full carrier power only during moments when speech is directed into mike; other times carrier remains at a low output level—results in less QRM to other stations, longer life for the 7034/4X150A output tube, and less power usage. For SSB operation, phasing type SSB generator provides 50 db carrier suppression; 35 db unwanted sideband suppression.

Silicon rectifier power supply provides cooler performance and better regulation. Tap in rear of unit provides −70 volts DC whenever transmitter is operating; when connected to receiver's AVC circuit permits fast break-in operation. Wide-range, adjustable p network output matches 40-600 ohm transmission lines

Front panel meter reads final grid, screen and plate current; also indicates RF output. Edge-lit, slide-rule type VFO dial on front panel is 14" long and 4" wide—permits highly accurate frequency settings. Attractive steel cabinet, with heavy steel panel and rugged cast aluminum frame, is perforated on top and sides for adequate ventilation; has provision for panel mounting an optional 3" modulation monitoring scope (see below

Size, 12x24x20". Ready for CW—includes VFO with heterodyne crystals for all bands. Less SSB and AM accessories (see listings below). For 115 or 220 volts 50-60 cycle AC. Shpg. wt., 140 lbs.
83 YZ 716. *$10 Down*. ONLY................495.0

SSB GENERATOR. Shpg. wt., 25 lbs.
83 YX 717. ONLY..........................79.9

AM MODULATOR. Shpg. wt., 10 lbs.
83 Y 709. ONLY...........................29.5

LOW-LEVEL SPEECH AMPLIFIER. Required with either SSB or AM modules above. When both are installe only a single amplifier is necessary. Has 300-3000 audio bandpass filter. Shpg. wt., 3½ lbs.
83 Y 791. ONLY...........................14.9

MODULATION MONITOR SCOPE. With 3" CRT. 10
83 Y 718. ONLY...........................37.9

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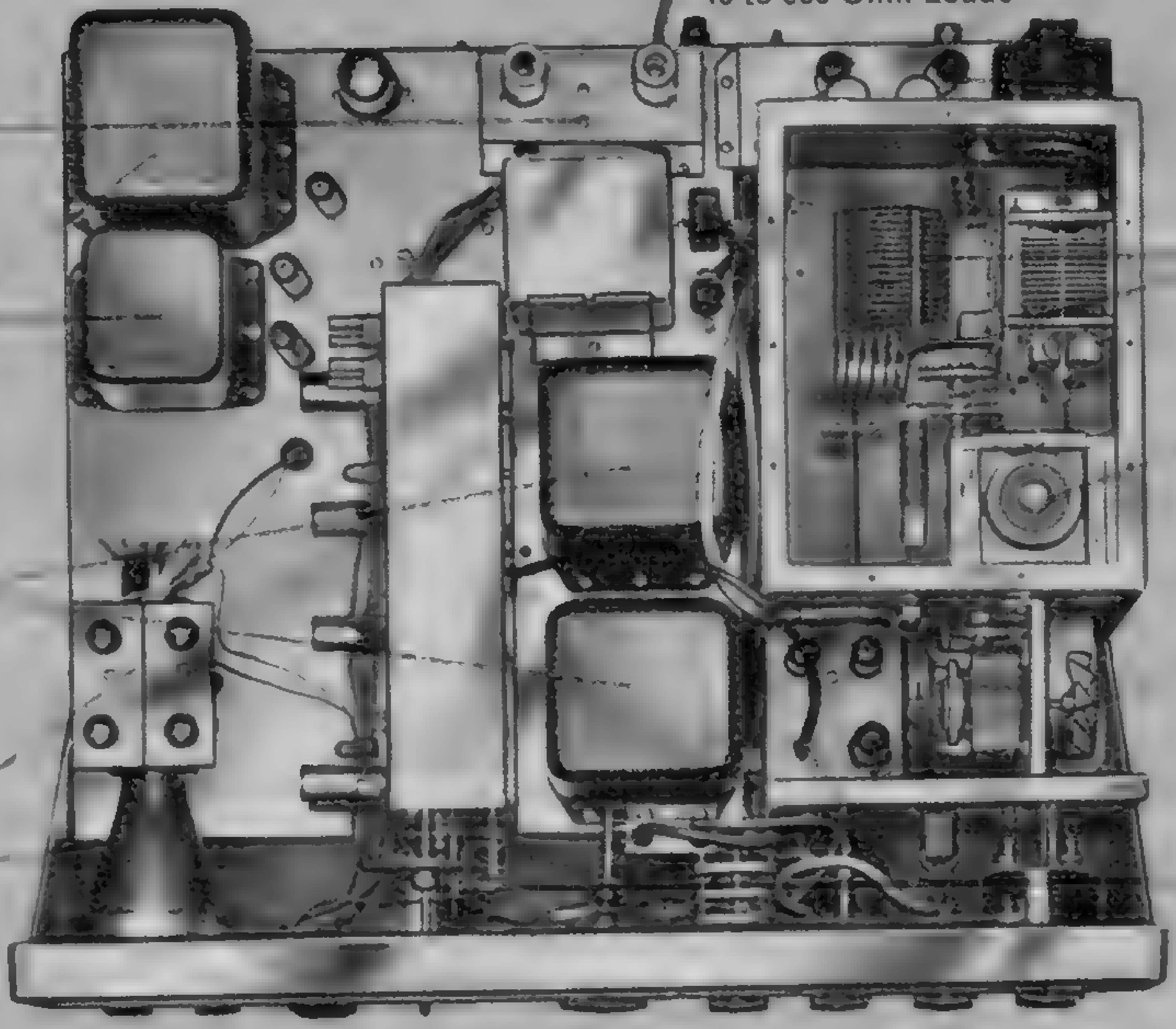
This Sensational Transmitter Offers A Choice of CW, SSB, or AM



Pi-Coupler Output Matches 40 to 600 Ohm Loads

Efficient Speech Amplifier Provides Adjustable Speech Compression

Husky, Conservatively Rated, Low Voltage Power Supply

High Voltage Power Supply with Cool-Operating Silicon Diode Rectifiers

Optional Modulation Monitor Scope—SSB Generator Module Fits Underneath

Gated-Screen Controlled-Carrier Modulator Provides Efficient Modulation at Low Cost

All Coils—Final Plate, Drivers, VFO, are Silver-Plated

7034 Output Tube Operates Conservatively for Prolonged Life

High Efficiency Air Blower Forces Powerful Airstream Through the 7034 Cooling Fins

Velvet Smooth VFO Tuning with No Backlash, Obtained Thru Use of Planetary Control and Stainless Steel Chain Drive

UNIQUE MODULAR DESIGN of the Knight-Kit 400-watt transmitter allows you to have any combination of three operating modes: CW, AM or SSB. Addition of AM and SSB modes to the basic CW unit is easily accomplished by assembling and installing the required modules. Start with the basic CW unit and enjoy the dependable, far-reaching type of operation that this mode provides. Then, whenever you are ready, install the AM modulator module and/or the SSB generator module and enjoy clear, high-power phone communication.

MORE FEATURES THAN YOU'LL FIND IN ANY OTHER TRANSMITTER

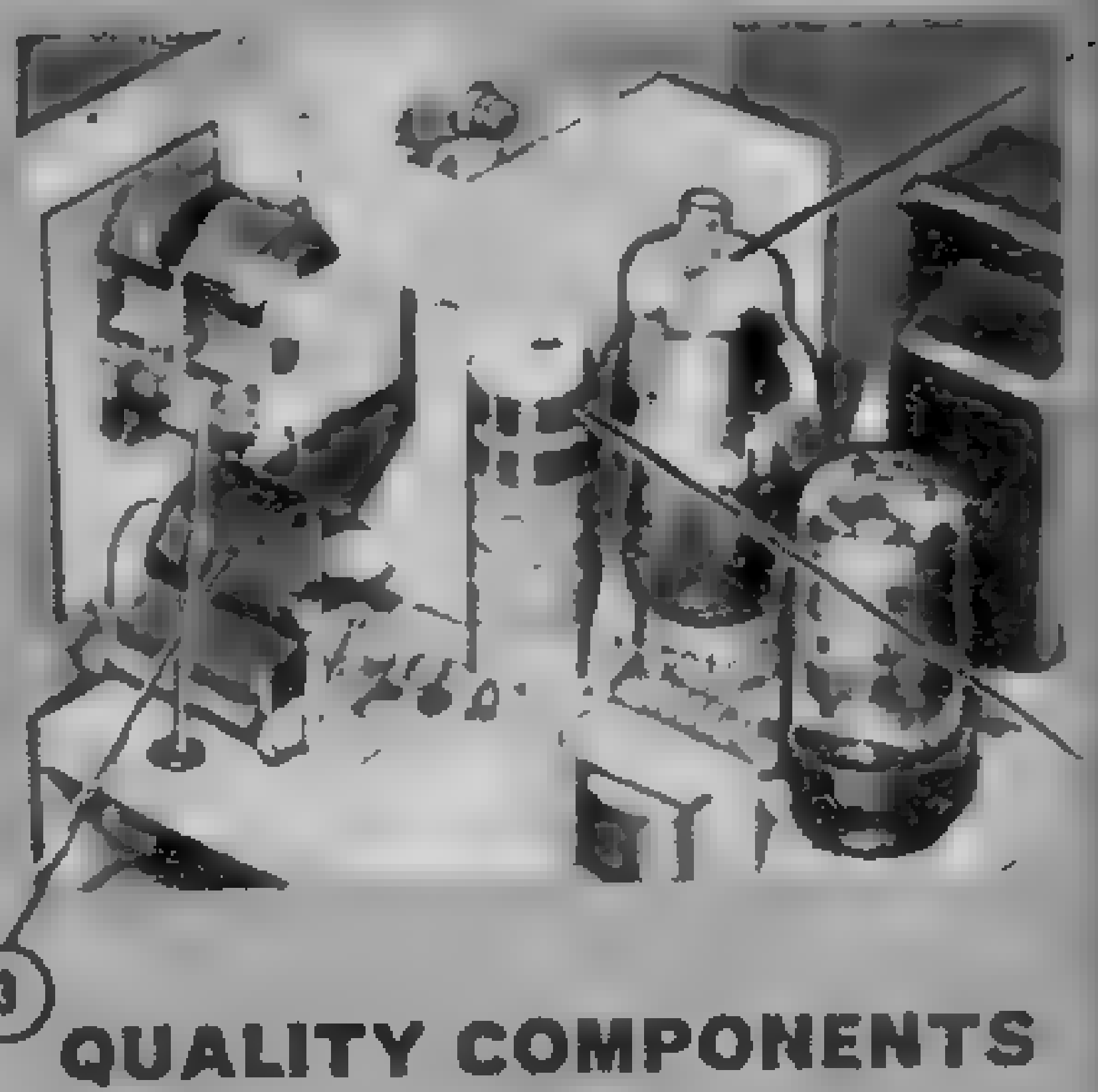
- Provides Outstanding SSB, AM, & CW Operation on the 80 Through 10-Meter Amateur Bands
- Operates at 400 Watts Input Power on AM and CW; 600 Watts P.E.P. on SSB
- Has Low Operating Frequency, Highly Stable, Heterodyne VFO with Large 14" Slide-Rule Dial
- "Zeroing" Position of Standby Switch Allows VFO to Operate While Final Amplifier is Off—Permits Zeroing VFO to Receiver
- Screen-Clamp Keying on CW; VFO is Keyed for Break-in
- Speech Amplifier has Adjustable Speech Compression for Maintaining High Modulation Levels; Has 300-3000 cps Speech Filter for Crisp, Clear Voice Communication
- AM Modulator Provides High-Efficiency, Gated-Screen, Controlled-Carrier Modulation—Assures Less QRM to Other Stations, Longer Life for Final Amplifier Tube
- Controlled-Carrier Modulation is Fully Adjustable from Low Carrier Level to Full Carrier Output
- Has VOX Circuits for SSB Operation—When SSB Module is Installed, VOX Can Also Be Used on AM
- All SSB Controls, Including VOX and Anti-Trip Level Adjust, are Located on Front Panel
- Terminals on Back of Unit Provide Receiver Standby Operation; Supply 110 VAC to Operate Antenna Relay; Connect Speaker to VOX Relay
- Has Front Panel Switch for Operating Transmitter at Low Power Input During Tune-up
- Copper-Plated VFO & Final Amplifier Chassis, as well as RF By-Passes, Protect Against TVI
- Ceramic Coil Forms Throughout, Except Final Which is Airwound—All RF Tube Sockets are Ceramic and Other High-Frequency Types

IT'S EASY TO OWN THIS GREAT T-400 TRANSMITTER

Big Trade-Ins. Allied's liberal trade-in policy makes it easy for you to own the outstanding T-400 transmitter shown above. We are prepared to give you a giant trade-in allowance on your present Ham gear. Write today—describe your trade-in—you'll get a terrific deal from Allied.

Easiest Terms. Allied's Easy Pay Plan lets you own the exciting new T-400 transmitter, shown above, for only $10.00 down. Enjoy the use of this fine unit now—extended terms allow you to take up to 24 months to pay the balance. See back section of this catalog for details.

The Ideal Transmitter for the Novice



QUALITY COMPONENTS

1 Popular, Time-Proven 807 Transmitting Tube

2 Low-Loss Ceramic Coil for High Mechanical Stability

3 Transmitter-Type Variable Capacitor in Final Amplifier

ONLY
$42⁹⁵
$2
DOWN

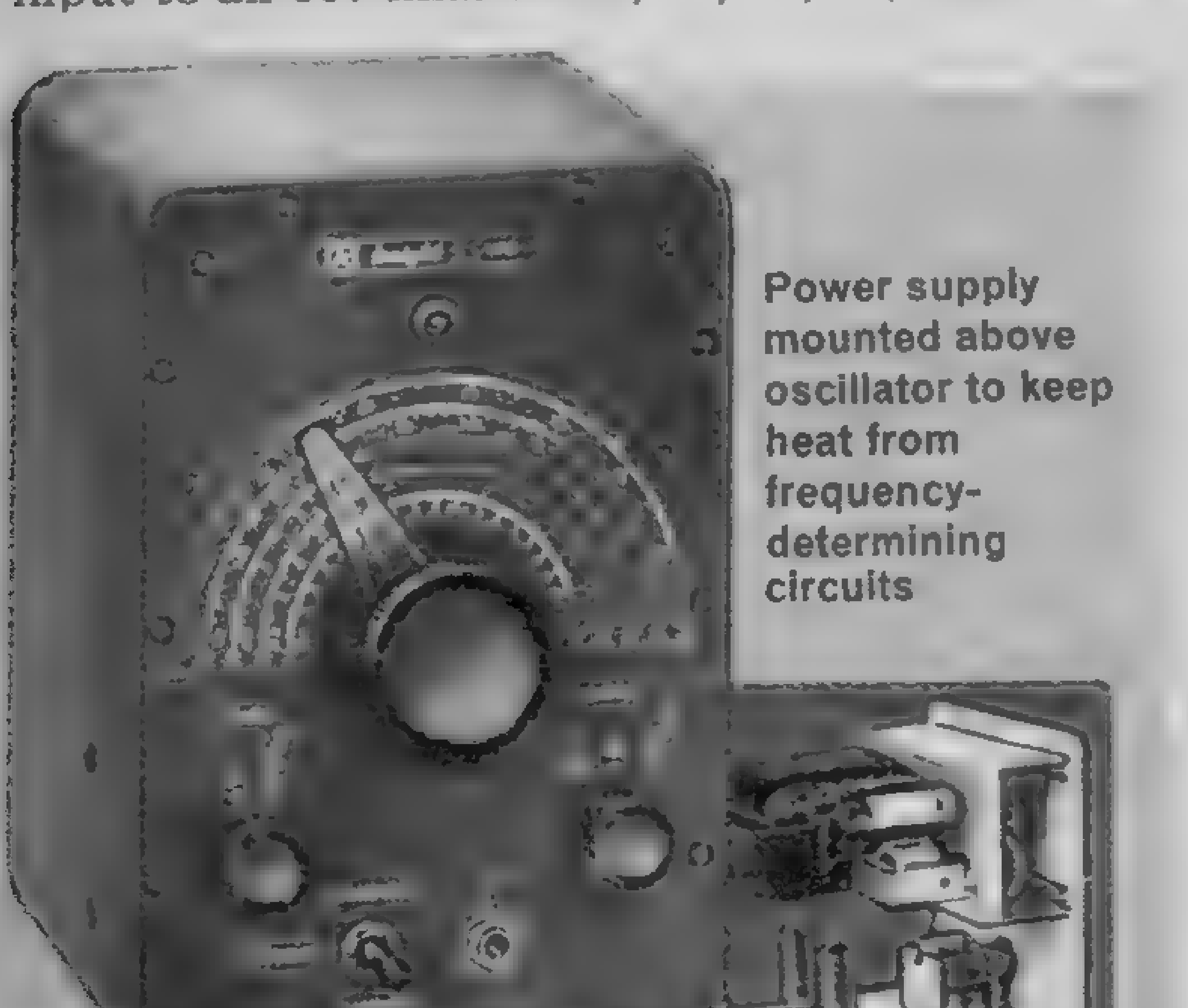
Model T-50 50-Watt CW Transmitter Kit

AN EASY-TO-BUILD "FIRST RIG" . . . LOW IN COST . . . COMPLETE BANDSWITCHING

Effective TVI Suppression **Convenient Bandswitching** **Full 50-Watts Input to Final** **Pi-Network Antenna Coupler**

No finer value than this complete bandswitching CW transmitter kit—perfect for Novices and an excellent choice as a dependable, low-power rig for the advanced Ham. Employs 807 tube in final, ceramic coil forms and double-spaced tank capacitor. Important TVI suppression features include: heavy copper-finish chassis; firm metal-to-metal seals at all junctions; rugged metal cabinet; filtering and bypassing of AC, meter, keying and heater circuits. Can be operated crystal-controlled, or with VFO, such as the highly stable Knight-Kit Model V-44 Self-Powered VFO kit, below. Features a 6AG7 as a modified-Pierce tuned-plate oscillator-multiplier when crystals are used; as a buffer-multiplier when used with a VFO. Delivers 50 watts input to an 807 final on 80, 40, 20, 15, and 10 meters. Complete with built-in, pi-section output circuit for matching antenna impedances from 50-2000 ohms—may be used directly with a wide variety of antennas without any need for using an external antenna tuner. Has bandswitching on all bands; cathode keying of oscillator and final; metering of final plate and grid circuits; provisions for easy connection of an external AM modulator; power socket for supplying 6.3 v. AC and B+ to accessories. Controls: Oscillator Tuning; Amplifier Tuning; Antenna Loading; Grid-Plate Meter switch; Off-On switch. Key jack, VFO and crystal sockets. Complete with wire and solder. Supplied less crystal and key. 8½x11¼x8½". For operation from 105-125 volts, 60 cycle AC. Shpg. wt., 18 lbs.

83 YX 255. *$2 Down.* ONLY..................42.95



Power supply mounted above oscillator to keep heat from frequency-determining circuits

Calibrated 80-10 meter Ham bands—output on 80 and 40

Model V-44 Self-Powered VFO Kit

ONLY
$29⁹⁵
$2
DOWN

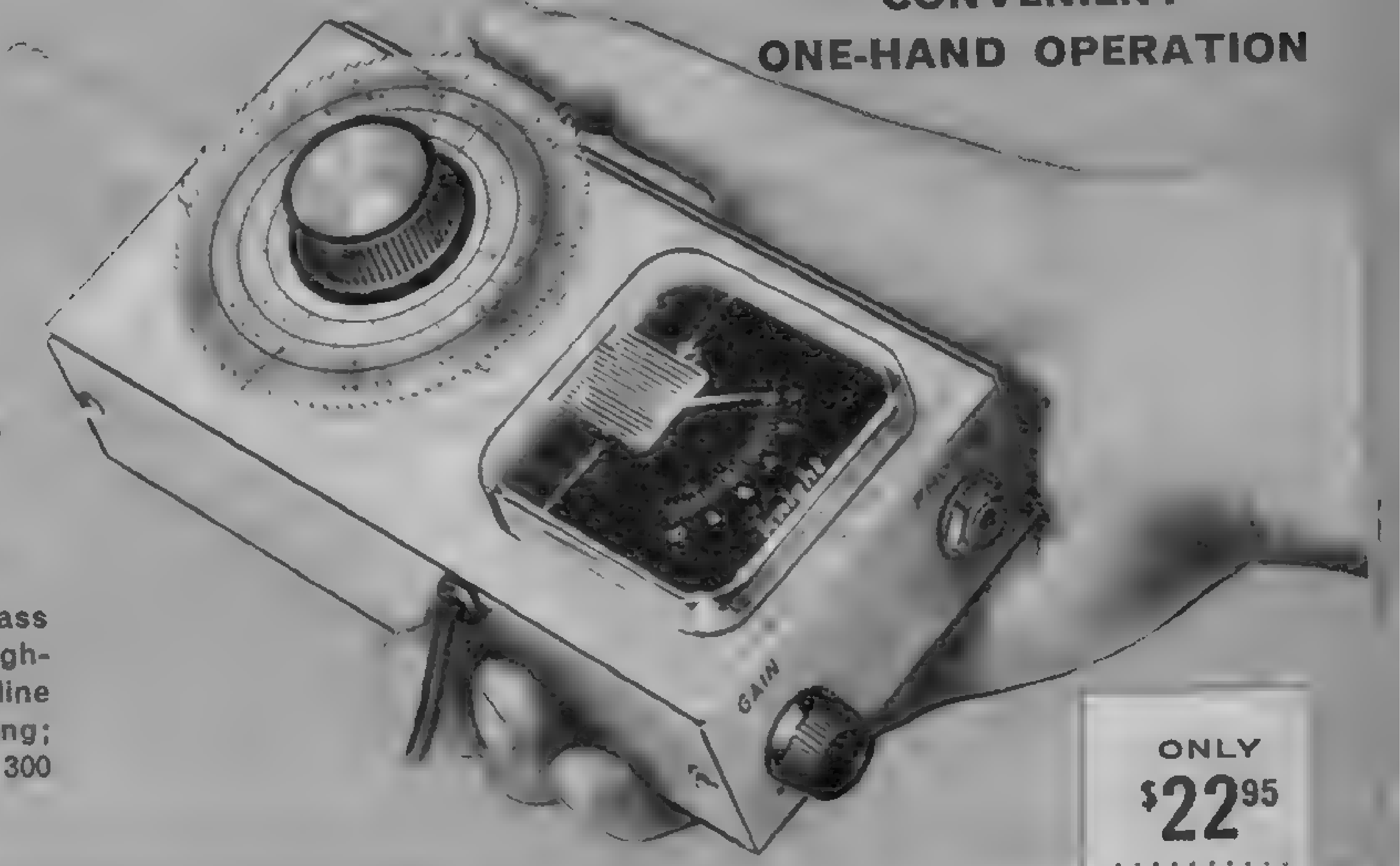
Function Switch Has "Calibrate" Position for Zeroing VFO to Receiver **The VFO with an Established Reputation for Stability!**

A deluxe, high-quality VFO kit at an incomparably low price. Calibrated for 80, 40, 20, 15 and 10 meters; output on 80 and 40 meters 40-volt output on 80 meters and 20-volt output on 40 meters is more than adequate to excite oscillator stage of any transmitter. An ideal companion to the Knight-Kit T-50 50-watt transmitter described above. Drift-free, series-tuned Clapp oscillator uses 1% silver mica capacitors. Oscillator tank coil is wound on heavy ceramic form; air dielectric padders. Has vernier planetary drive mechanism—key jack on front panel. Frequency stability is achieved by careful design and rigid mechanical construction—permits direct keying for "break-in" operation. Tubes: 6BH6, 6AK6; 6X4 rectifier, 0A2 VR. Complete with wire and solder. 8¾x6⅛x 5⅜". For 105-125 v.,60 cycle Shpg. wt., 9½ lbs.

83 Y 725. *$2 Down.* ONLY.........................29.95

Finest Grid Dip Meter In Its Price Class

Color-Coded Coils Match Dial Ranges



CONVENIENT ONE-HAND OPERATION

PACKED WITH FEATURES

No other grid dip meter in this price class has all these superlative features—high-grade, molded coil socket; variable hairline cursor; best system of coil color-coding; high stability across each band; range to 300 megacycles.

ONLY $22.95

$2 DOWN

World-Famous Model G-30 Grid Dip Meter Kit

MEASURES RF RESONANCE—SERVES AS SIGNAL GENERATOR, WAVEMETER, ETC.

Lightweight and Compact · Covers 1.5 to 300 Mc · Movable Hairline Cursor · Complete With Set of Coils

You'll find hundreds of uses for this invaluable instrument in and around your Amateur station. It not only serves as a grid dip oscillator to determine the frequency of resonant circuits, but as an oscillating detector, signal generator, and absorption wavemeter. Covers 1.5-300 mc in 6 overlapping ranges. The finely calibrated dial, with its movable hairline cursor, allows extremely precise setting and highly accurate readings on any segment of its frequency range. You'll wonder how you ever got along without it! Use it for receiver alignment, determining the exact length of transmitting and receiving antennas, adjustment of wave traps, determining inductance and capacitance, finding parasitic oscillations, adjusting antenna matching stubs, etc.

Ranges are color-coded to match coils. Has undamped meter movement for quick response and variable sensitivity control for optimum grid current adjustment. Stable oscillation—entire band may be tuned with one adjustment of regeneration control. It's small—it's light—it's the handiest grid dip meter available!

High-grade molded socket withstands rugged use—holds plug-in coils securely. Phone jack permits use as modulation monitor and regenerative detector. 6AF4A oscillator; selenium rectifier. Size, 6⅜x3¼x1⅝". Includes plastic case with 6 coils, all parts, etc. For 110-120 v., 50-60 cycle AC only. Wt., 2 lbs.

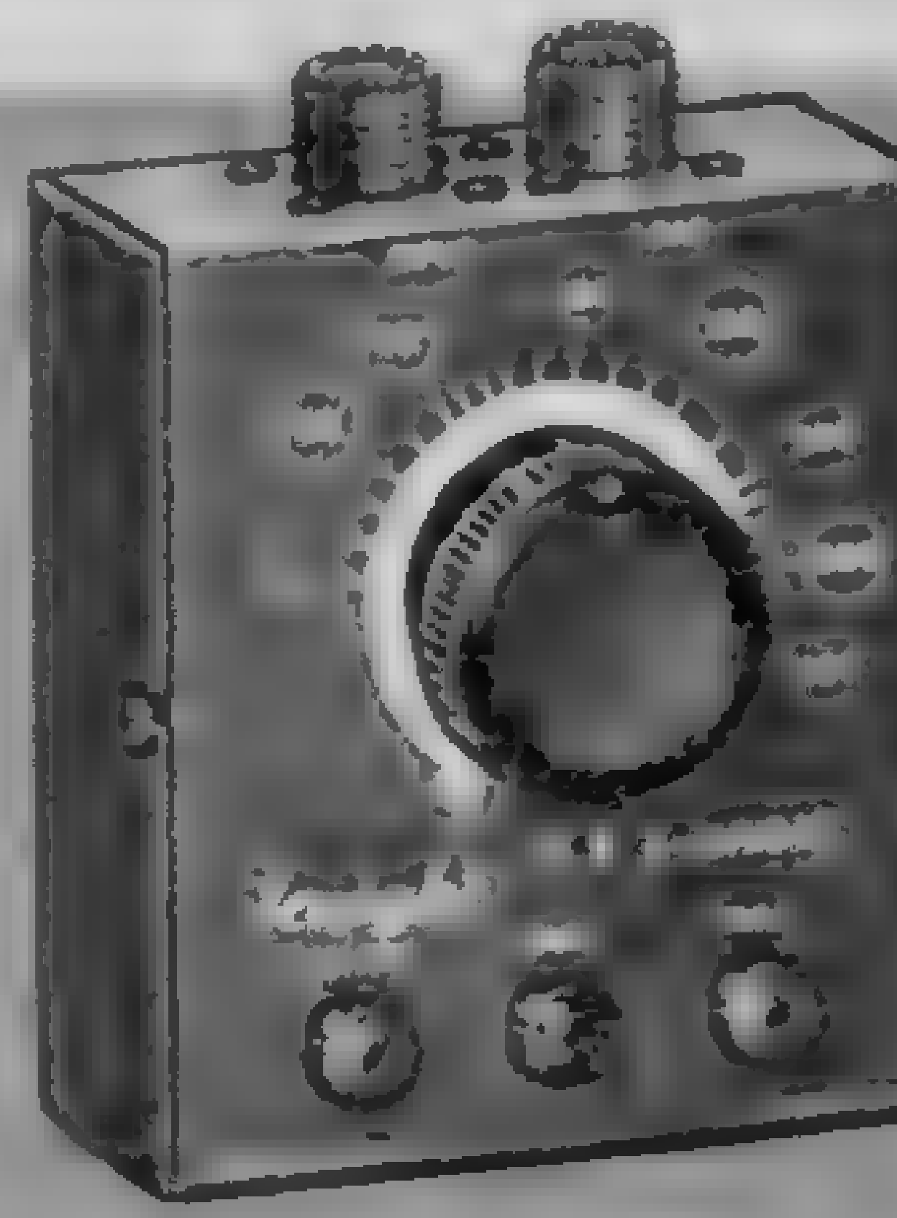
83 Y 721. *$2 Down.* **ONLY**.................22.95

Model Z-52 SWR and Z-Bridge Kit

ONLY $5.85

For achieving peak antenna efficiency. Measures SWR from 1 to 150 mc. Also measures impedance on frequencies up to 100 mc. Use your own VOM as a null indicator. Has coaxial connectors. Can be used with 20 to 400-ohm lines. Accurate dial gives direct impedance reading. 1% precision resistor for calibration use. 2½x3½x4". With chart for converting meter readings to SWR, wire and solder. Less meter. 1¼ lbs.

83 Y 253. ONLY.................5.85



Transistorized Code Practice Kit

ONLY $3.95

Advanced-design code practice oscillator at unusually low cost. Uses transistor circuit—powered by a single penlight cell! Amazingly low current consumption—one battery operates unit for months. 500 cps tone. Has output jacks for standard headphone tips; screw type terminals for key. Housed in bakelite case with aluminum panel. With all parts, battery. Less phones and key, below. Size, 2⅜x3¾x1½". Shpg. wt., 1 lb.

83 Y 239. ONLY.................3.95

59 Y 112. 1000-Ohm Headphone. Shpg. wt., 1¼ lbs. **NET**.................1.08

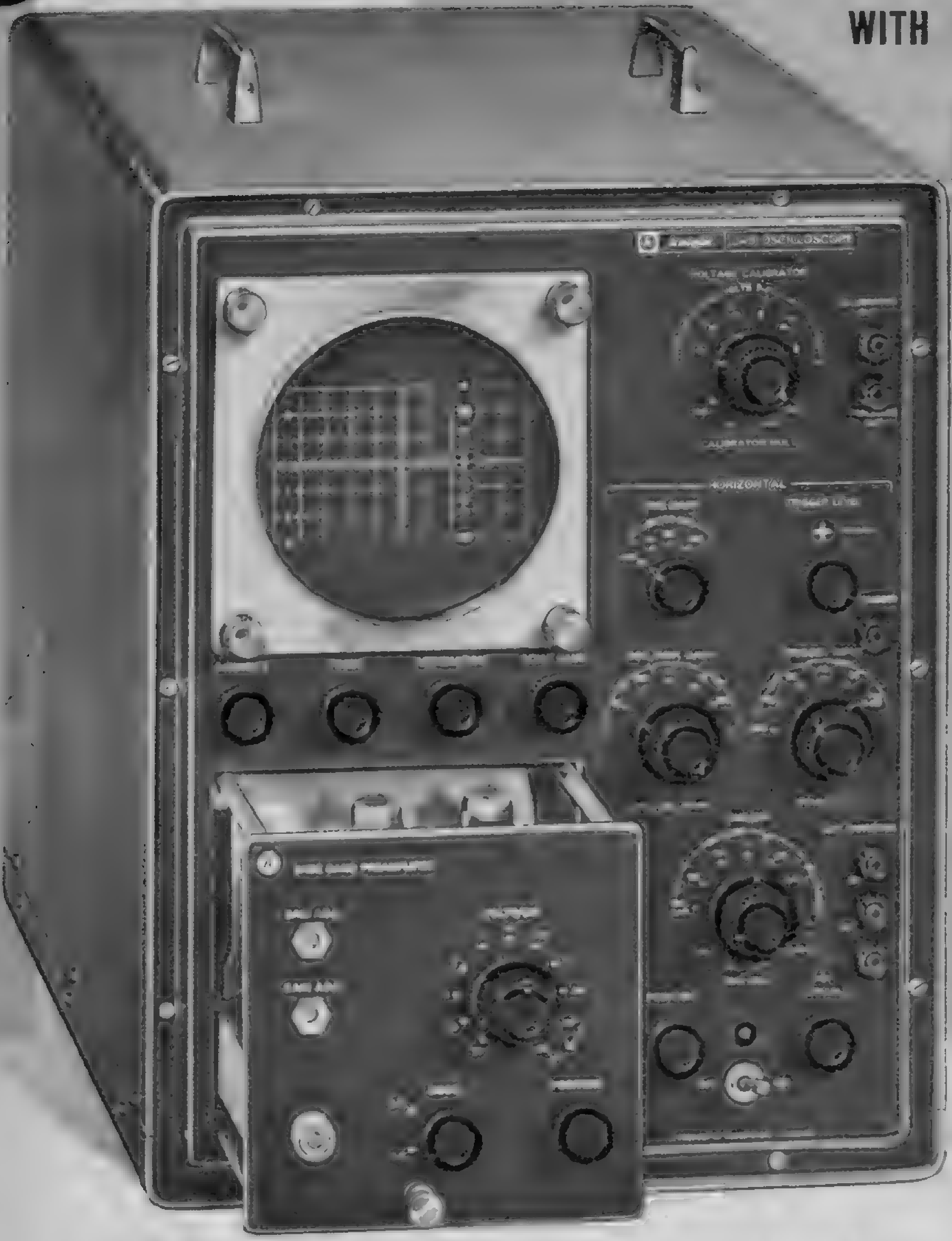
77S908 Practice Key. Shpg. wt., 8 oz. **NET**.................69c

Knight-Kits Have Easy-To-Follow Instructions

knight-kit INSTRUMENTS

World's Finest DC Scope in Kit Form

WITH PLUG-IN PREAMPS



Vertical Response from DC to 10 Megacycles

Triggered Sweep—0.5 sec/cm to 0.05 μ sec/cm

Built-In Voltage Calibrator

Crystal Controlled Markers from 10 μ sec to 1 Millisec

Accepts Wide-Band, Dual-Trace or High-Gain Plug-In Interchangeable Vertical Amplifiers

ONLY
$295.00
$10
DOWN

PACE-SETTING LAB INSTRUMENT IN MONEY-SAVING KIT FORM . . .

DC Lab Scope Kit . . . Interchangeable Vertical Amplifiers

A revolutionary product in the field of precision test equipment—a 5" DC Lab Scope in famous Knight-Kit easy-to-build form! Employing highly versatile Interchangeable Vertical Amplifiers—previously used only in the most costly laboratory equipment—it offers unlimited flexibility. "IVA" sections slip in and out in seconds—match scope to any application.

Check this brilliant array of features: crystal-controlled timing markers—externally available for other uses; DC vertical and horizontal amplifiers; DC-coupled triggered sweep; electronically regulated power supply; extremely linear sweep—within 3% on all ranges; sweep timing accuracy adjustable to 1% with built-in markers; externally available voltage calibrator from 0.0001 to 50 volts peak-to-peak; two ranges of sweep expansion to allow observation of the smallest waveform detail; graph screen with high-legibility, edge-illuminated markings; provision for camera mounting; printed circuitry in critical stages; exclusive printed circuit switches; many others.

A unique new cathode ray tube, built exclusively to rigid Knight-Kit specifications, is also incorporated. Both horizontal and vertical plate connections are brought out through the glass to achieve maximum band pass. All circuits are frequency-compensated—may be adjusted with the built-in voltage calibrator. A VTVM or 20,000 ohms/volt VOM is all you need to align the "IVA" scope for precision performance.

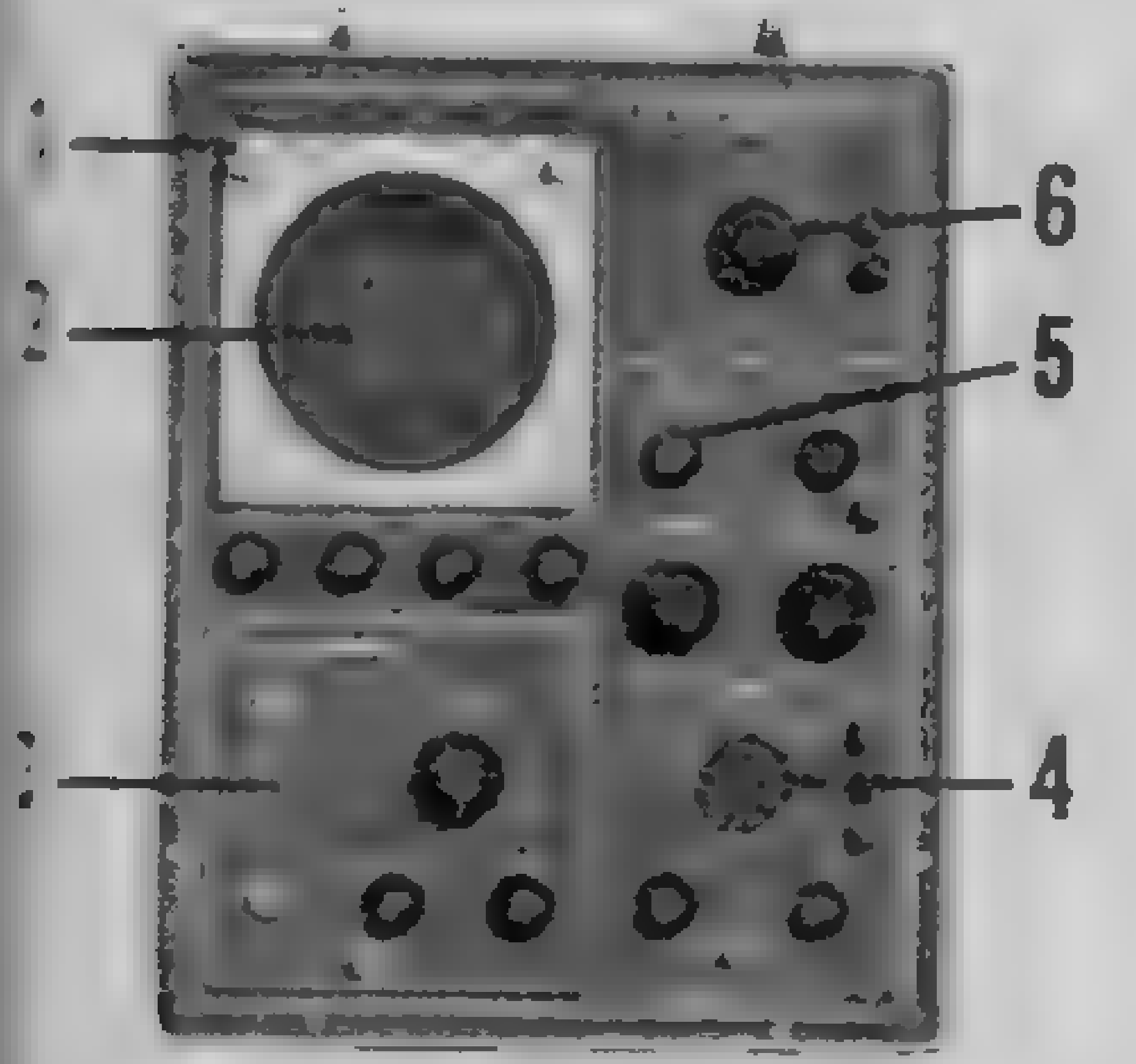
Extremely wide sweep range—0.5 sec/cm to 0.05 μsec/cm—provides an almost unlimited range of application for this unit. Three plug-in vertical amplifiers (available separately, see opposite page) cover virtually all laboratory scope applications. In addition, a blank plug-in chassis is available, into which the user can install any special-application preamp he may devise. Complete with wire and solder, and easy-to-follow instructions. 16x12⅜x19½". Less vertical amplifiers. For operation from 110-120 volts 50-60 cycle AC. Shpg. wt., 50 lbs.

83 YU 611. *$10 Down.* ONLY **295.00**

Genuine Laboratory Quality at Remarkably Low Cost

YEARS AHEAD IN QUALITY AND VERSATILE DESIGN

TRUE LAB-QUALITY FEATURES



Convenient camera mounting studs accept standard camera mounts.

Special application of P-2 phosphor coating on CRT provides sharp trace even on fast displays.

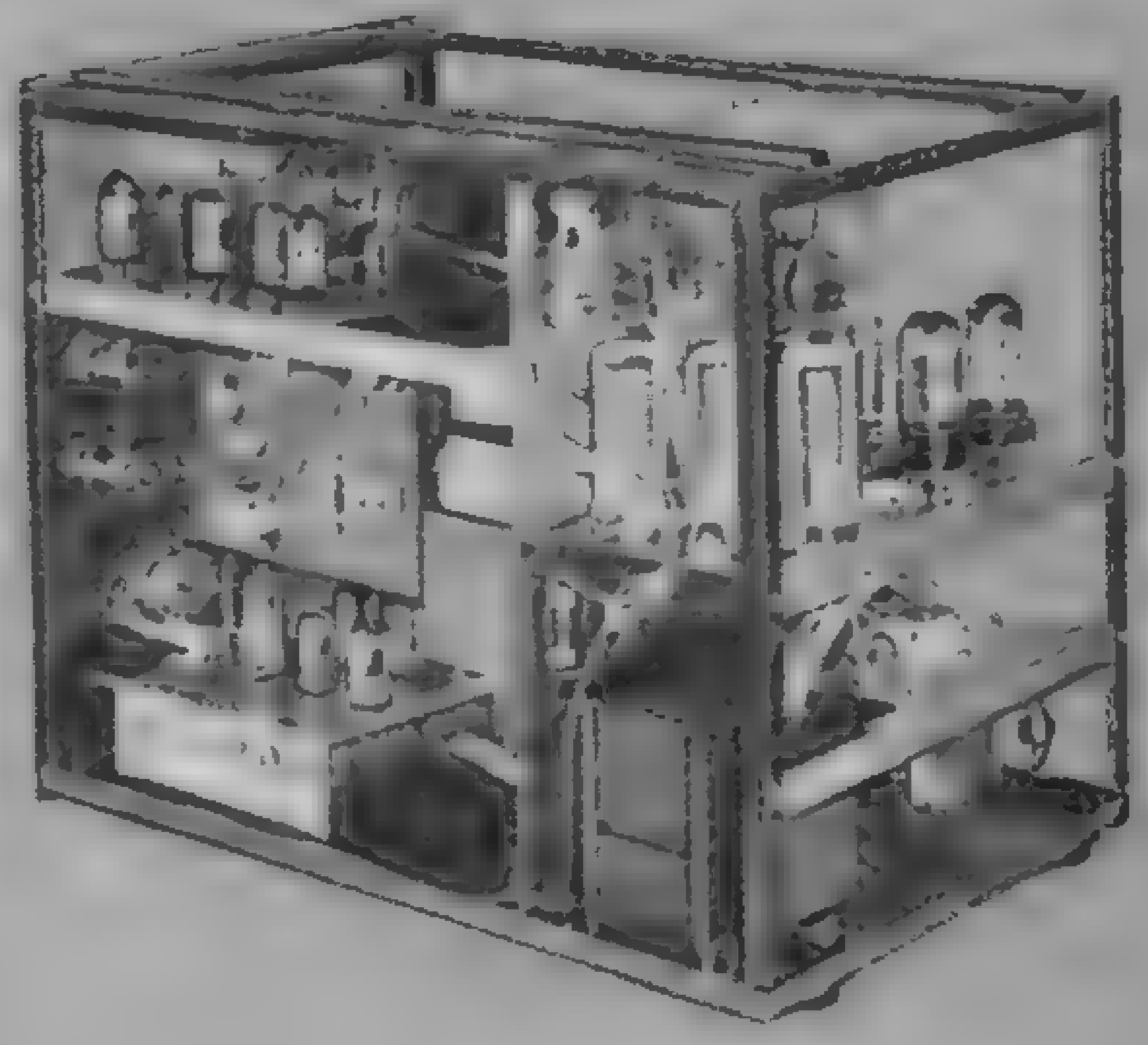
Plug-in vertical preamps for highest versatility and convenience.

Calibrated triggered sweep from 5 sec/cm to 0.05 μsec/cm.

Crystal-controlled oscillator provides markers from every 10 microseconds to every millisecond.

Voltage regulated p-p calibrator—reference voltages, 100 μv to 50 v.

More than two years of expert engineering stand behind every detail of the Knight-Kit DC Lab Scope. Its heavy steel cabinet and rigid girder frame construction—its highly versatile Interchangeable Vertical Amplifiers—its outstanding operational flexibility and highest quality components—place it in a class with top-quality, factory-wired lab instruments costing far more. No other DC scope kit offers you so much for so little!



SPECIFICATIONS

SWEEP GENERATOR

Sweep Range: 0.5 sec/cm to 1 μsec/cm (without expansion); 0.025 sec/cm to 0.05 μsec/cm (with x20 expansion).

Sweep Expansion: x5 and x20.

Sweep Linearity: Within 3% on all ranges.

Sweep Timing Accuracy: Within 5% overall (can be adjusted to 1% by use of built-in markers).

HORIZONTAL AMPLIFIER

Sensitivity: 1 v. p-p/cm

Frequency Response: DC to 750 kc (3 db down).

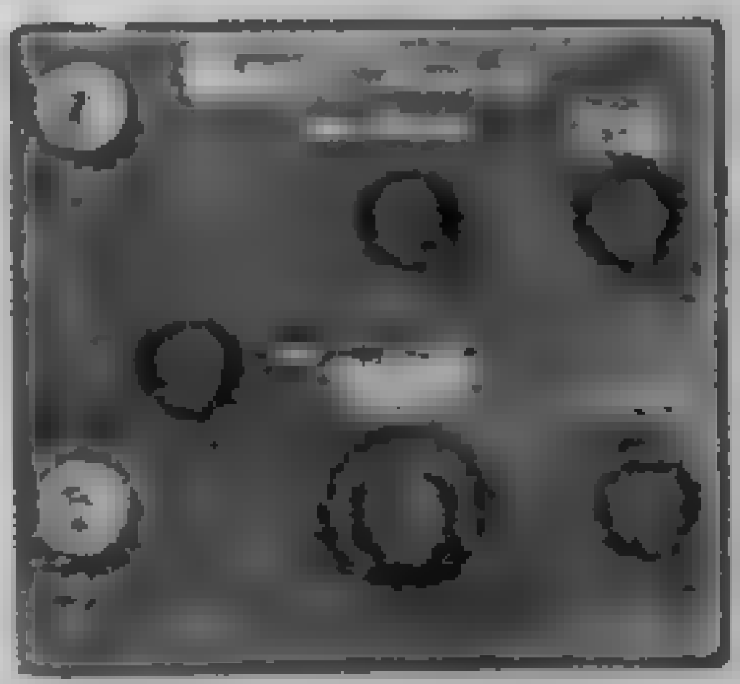
GENERAL

Time Markers: 10, 100, 1000 μsec. intervals, accurate to 1%. (Marker output available at front panel provides highly stable, crystal-controlled frequency source for other applications.)

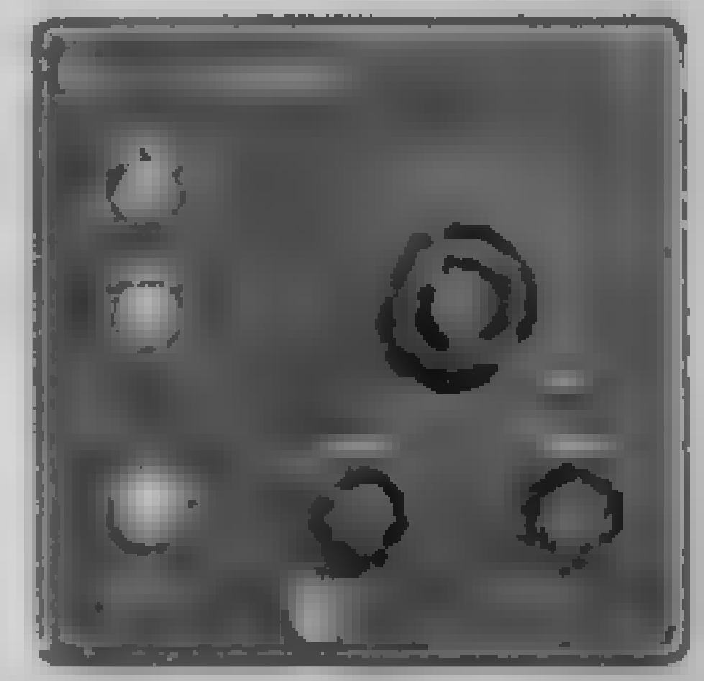
Voltage Calibrator: 0.0001 volt to 50 volts peak-to-peak.

Tube Complement: 30 tubes; 2—5642 HV rectifiers; 7 silicon diode rectifiers; 5CXP2 CRT.

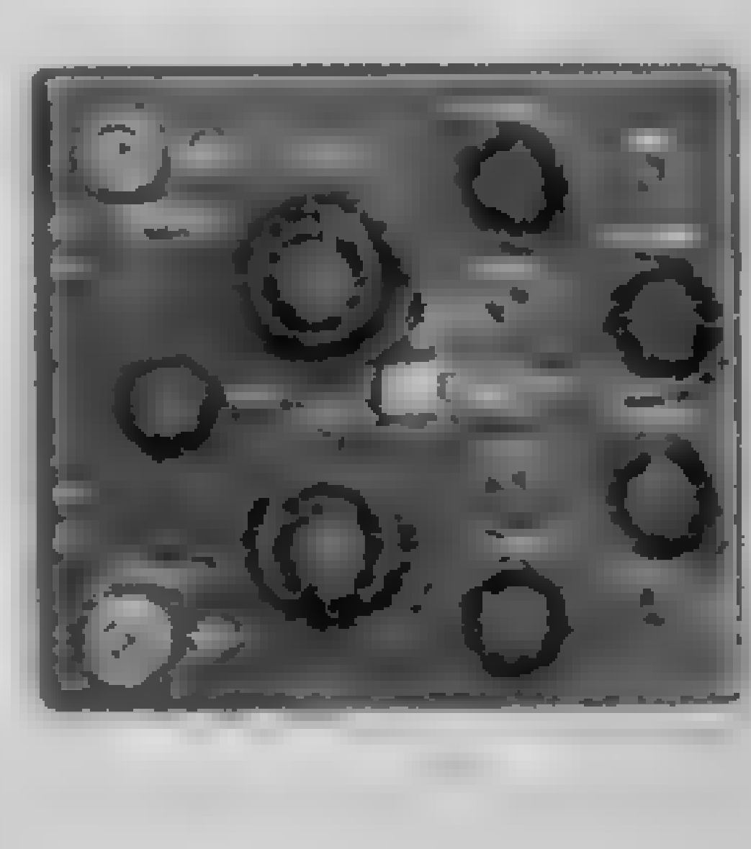
Interchangeable Vertical Amplifiers



HIGH-GAIN PREAMPLIFIER. Differential-type high-gain preamplifier incorporating two separate input facilities. Permits accurate scope readings of the difference between two signals, cancelling DC from signals in order to read AC ripple, etc. *Sensitivity:* 0.001 v. p-p/cm. Response: DC to 100kc within 3 db down. *Differential Ratio:* 5000:1. *Input Impedance:* 1 meg shunted by 40 mmf. Shpg. wt.. 5 lbs.
83 Y 612. *$2 Down.* ONLY........35.95



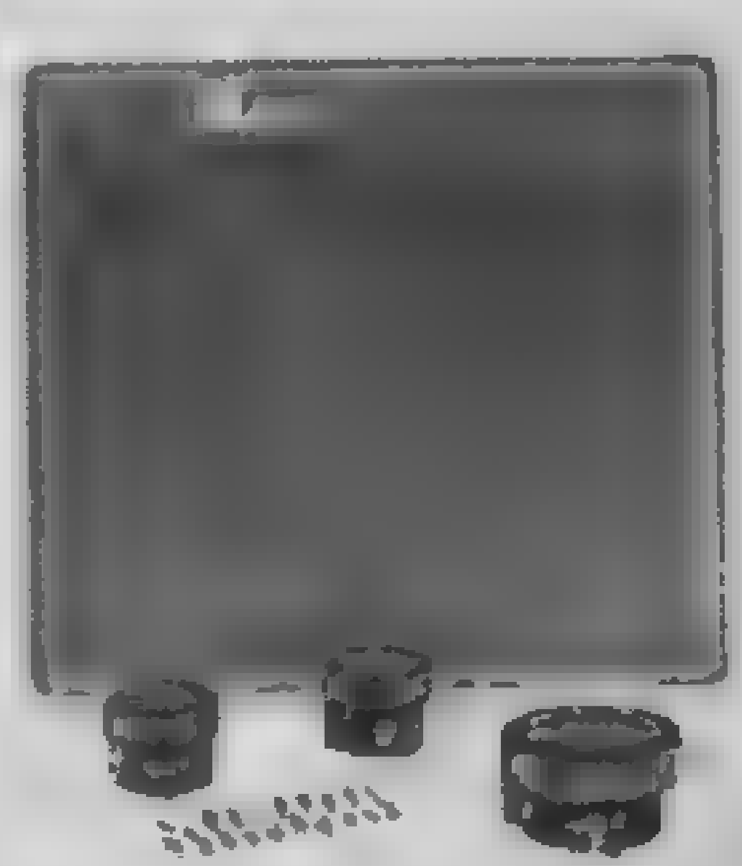
WIDE-BAND PREAMP: Precision preamp for high-frequency use of the Lab Scope. Excellent for high-frequency applications including color TV, etc. *Frequency Response:* DC to 10 megacycles within 3db down. *Sensitivity:* 0.01 v. p-p/cm. *Rise Time:* Approximately 0.04 micro-seconds. *Input Impedance:* 1 megohm shunted by 40 mmf in all positions of the attenuator. Shpg. wt., 5 lbs.
83 Y 613. *$2 Down.* ONLY........24.95



DUAL-TRACE PREAMPLIFIER. Designed for comparing of two separate signals. Rapid electronic switching permits both signals to be viewed simultaneously. *Sensitivity:* 0.05 v. p-p/cm. *Frequency Response:* DC to 10 megacycles within 3 db down. *Switching Rate:* Choice of 10 kc or alternate sweeps. *Input Impedance:* 1 megohm shunted by 40 mmf. Shpg. wt., 5 lbs.
83 Y 614. *$2 Down.* ONLY........48.95

Low-Capacity Probe Kit

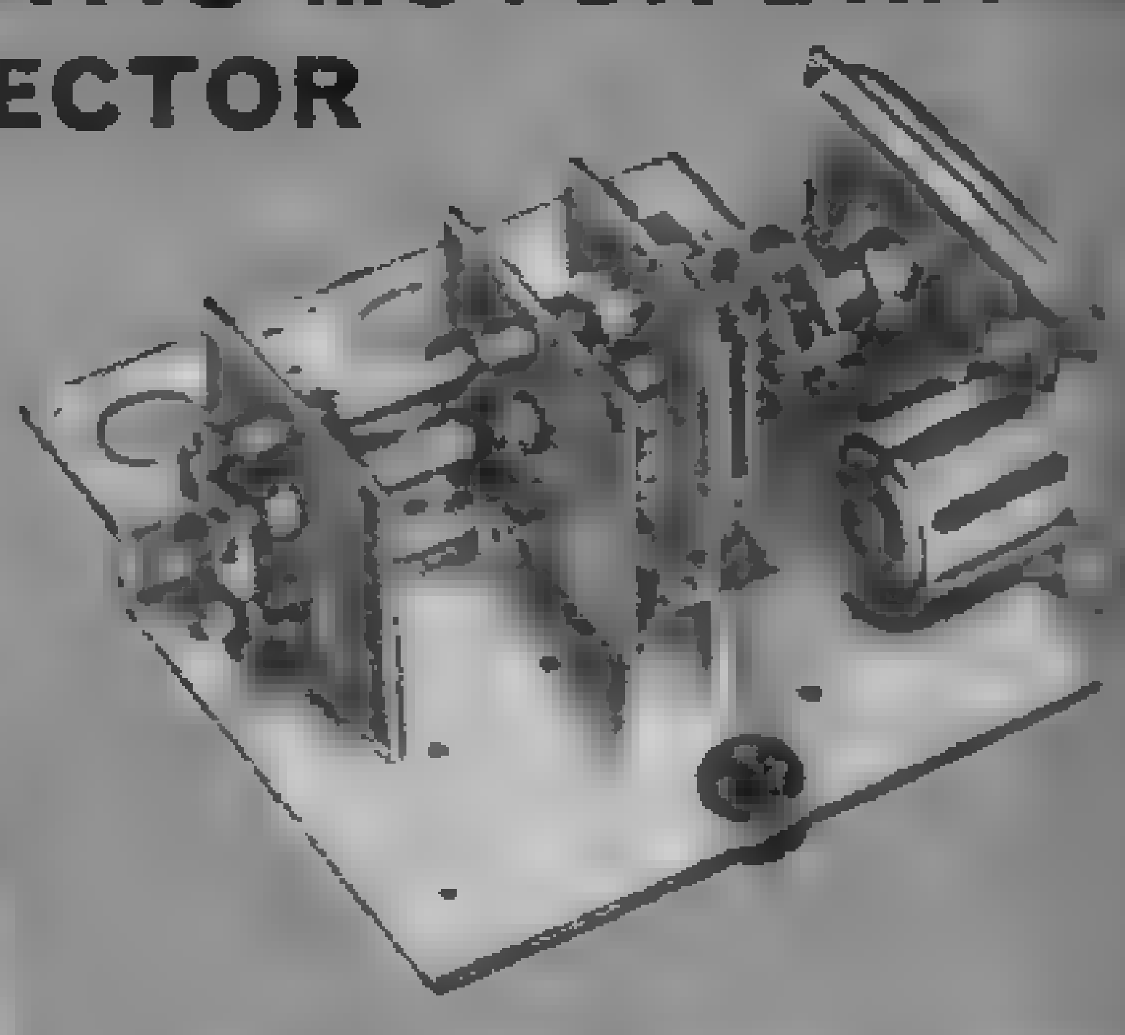
A low-capacity accessory probe for use with the Knight-Kit 5" DC Lab Scope. Its use permits observation of signals without overload and distortion. 10:1 attenuation; variable capacitor. Input impedance, 10 megohms; input capacity, 12-15 mmf. 2 lbs.
83 Y 616. ONLY..................5.95



83 Y 615. Blank Preamp Chassis. With knobs. Wt. 2½ lbs.
ONLY........5.95

knight-kit INSTRUMENTS

REVOLUTIONARY AUTOMATIC MOTOR-DRIVE RANGE SELECTOR



Unique "self-seeking" me- anism automatically sel proper range the instant touch probes to circuit.

PILOT LAMP RANGE INDICATOR

Panel lights instantly s scale range in use.

LEAVES HANDS FRE

No manual range-switch the ultimate in operating c venience. Saves time!

IDEAL FOR SCOPE US

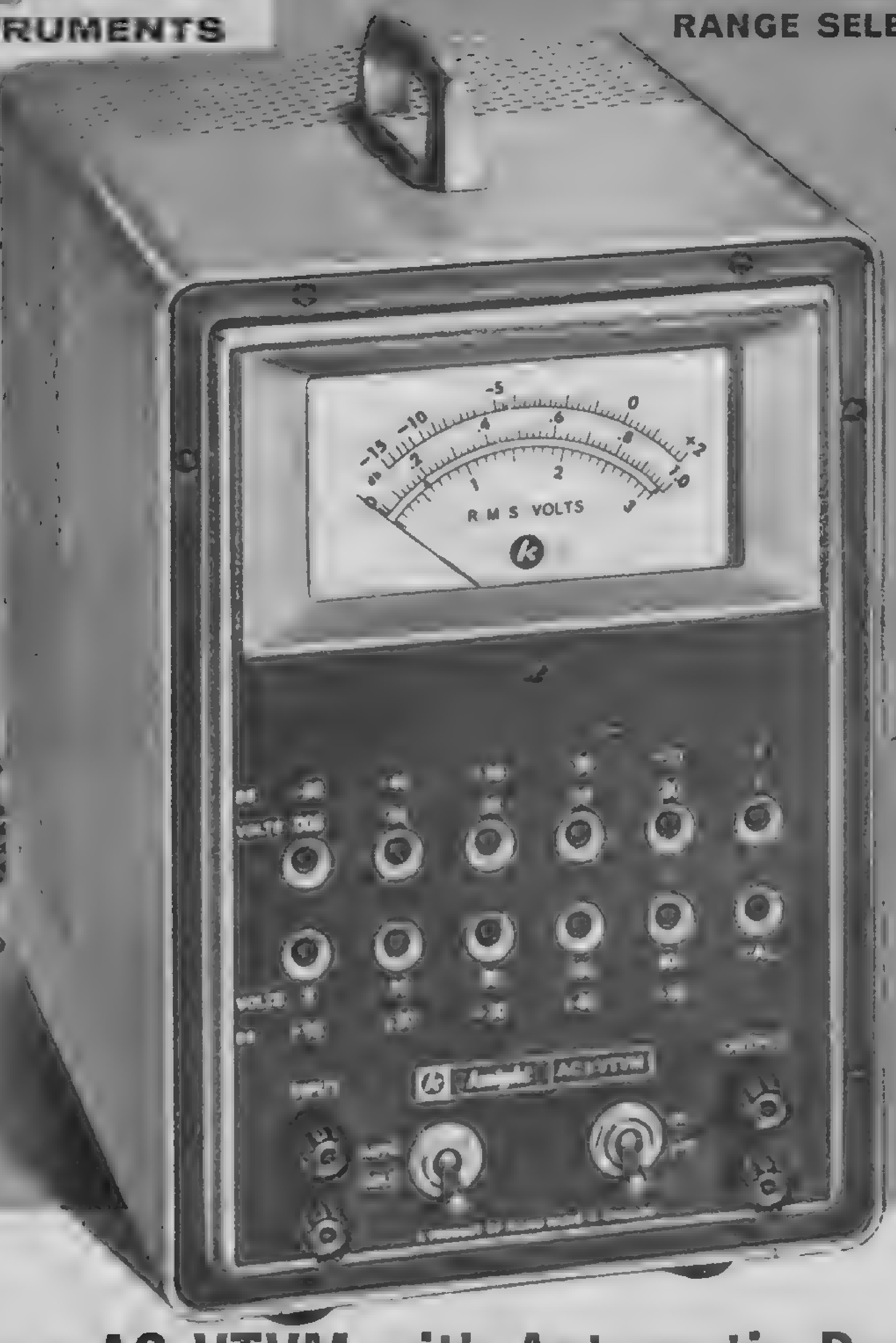
Has output for simultan scope pattern observatio

3-MILLIVOLT SENSITIVITY

—READS AS LOW AS 200 μV

RESPONSE TO 2.5 MC.

OVERALL ACCURACY 3% OF FULL SCALE



ONLY
119^{50}

$5 DOWN

Laboratory AC VTVM with Automatic Range Selection

THE ONLY AC VTVM WITH REVOLUTIONARY SELF-SEEKING RANGE SELECTOR

Setting new standards in performance, speed, and economy, the revolutionary Knight-Kit AC VTVM represents a major breakthrough in test equipment design. This remarkable unit features Automatic Range Selection—an exclusive Knight-Kit innovation. The instant you touch the probe to the circuit, an electronically-actuated motor-driven selector "seeks out" the correct range automatically. This unique mechanism races through all 11 ranges in less than 2½ seconds—reversible motor provides average access time of only 1 second! Easy-to-read panel lamp indicators show range in use at a glance—operate at lower-than-rated voltage for long life. Special output terminals permit simultaneous scope observation of wave shape while measuring voltages. In addition, the range selector and built-in wide band amplifier may be used separately as an automatic vertical attenuator for scopes, etc. The AC VTVM is ideal, too, for use as a null indicator in AC bridge circuits, and countless other applications.

Incorporates printed circuitry to insure easy assembly and precision performance. Has precise trigger circuits for positive switching; Auto/Manual switch for holding on any range; 100-μa meter movement; finest coin-silver switch contacts; double shock-mounted components to prevent microphonics; regulated, adjustable power supply. Highly stable 3-stage amplifier has cathode-follower output. Jacks are G.R.-type with ¾" spacing. Easily calibrated with parts supplied—a DC VM is all you need. With rugged, vinyl-covered steel cabinet; 4-ft. coax cable with probe and standard G.R.-type ¾" spaced plug; all parts; instructions. 10x7x11$^3/_{16}$". For 105-125 v., 60 cycle AC. Shpg. wt. 22 lbs.
83 YU 608. *$5 Down.* ONLY....................................119.50

SPECIFICATIONS

Ranges (Full Scale): .003, .010, 0.1, 0.3, 1, 3, 10, 30, 100 and 300

Scale Readings: 0-1 v. (with divisions) and 0-3 v. (with .1-v. sions); also −15 to +2 db.

Decibel Range: −65 to +52 in ranges.

Response: ±1 db, 20 cps to 2.5 absolutely flat, 50 cps to 500 kc.

Accuracy: ±3% of full scale with line voltage variation up to

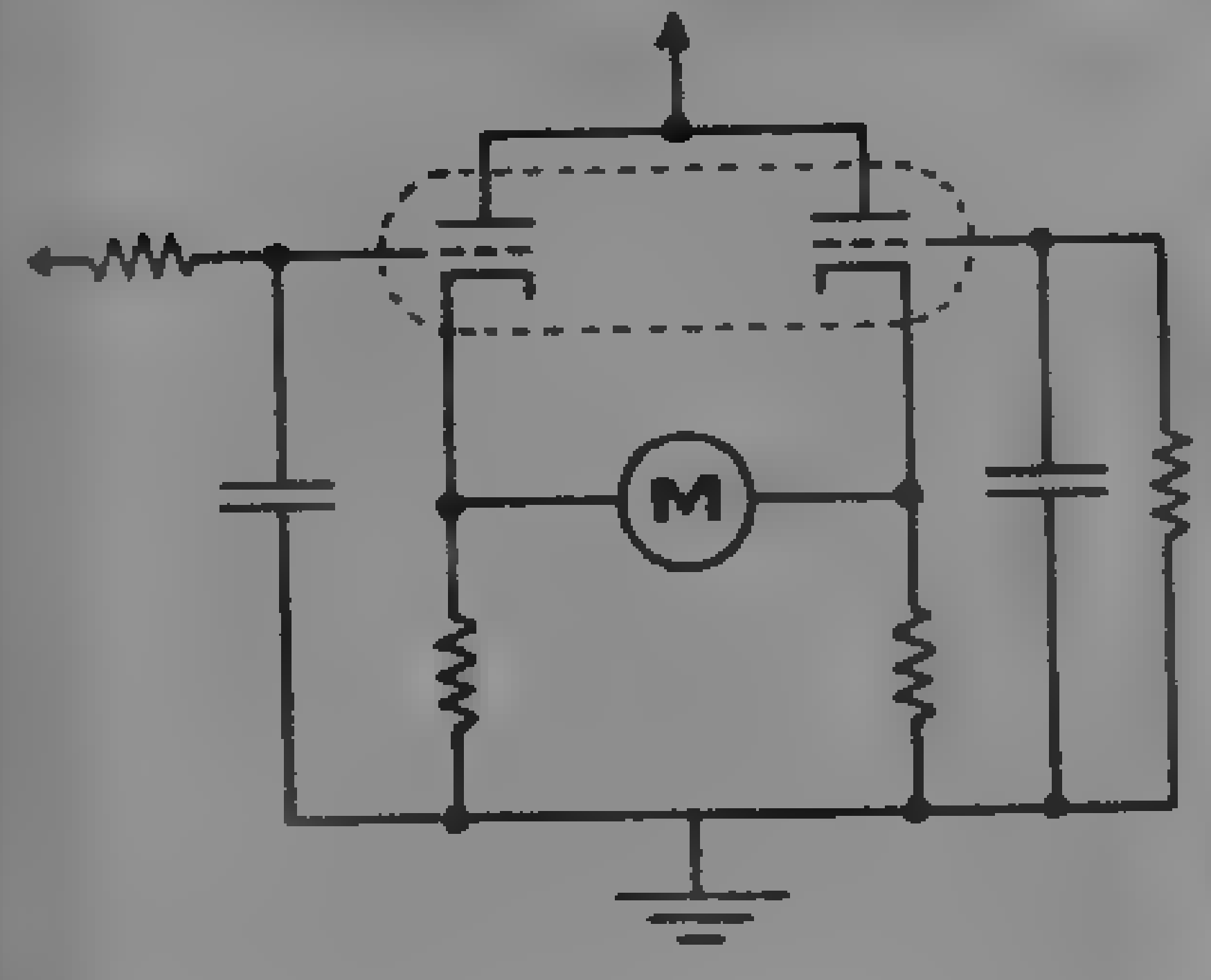
Impedance: 10 meg shunted mmfd, 3-300 volts; 25 mmfd, 1.0 volt.

Amplifier Section: Cathode f er output. Available output, (34 db gain). Response: ±1 cps-1.5 mc; flat, 30 cps to 300 kc

Tubes: 3—6DK6, 6AW8, 2—12 12AX7, 2—6DR7, 5651; EZ90 rec

Write for Free Detailed Specification Sheet and Schematic on Knight-Kit AC VTVM

FEATURE-FOR-FEATURE THE FINEST IN ITS CLASS!



corporatestime-proven, push-ll balanced-bridge circuit. sed in the most costly VTVM's, s circuit assures maximum curacy and automatic meter rnout protection.

arge 4½" Two-Color Meter—0-Microamp Movement

eatures Low Range on AC d DC of Only 1.5 Volts

-Megohm Input Resistance nimizes Loading Down of rcuit Being Tested

easures AC and DC Voltages, esistance, Decibels—Plus AC eak-to-Peak

Here's the number one instrument choice of the hobbyist, service man, and lab technician alike—an accurate, high-impedance VTVM in easy-to-build kit form. Has sturdy steel case and panel, special easy-grip knobs, and genuine leather carrying strap.

Amphenol connector on DC input—insures effective shielding and dependable, positive contact.

ONLY
$25.75

$2
DOWN

Famous-For-Quality Electronic VTVM Kit

ACCURATE AND DEPENDABLE FOR SERVICE, LABORATORY AND EXPERIMENTAL USES

SPECIFICATIONS

DC Voltmeter

anges: 1.5-5-15-50-150-500-1500 volts l scale.
put Resistance: 11 megohms (1 egohm in probe) all ranges.
ccuracy: ±3% of full scale.

AC Voltmeter

MS Ranges: 1.5-5-15-50-150-500-00 volts full scale.
eak-to-Peak Ranges: 4-14-40-140-0-1400-4000 volts.
ecibels: —10 to +65 (7 ranges).
esponse: 30 cps to 3 mc.
ccuracy: ±5% of full scale.

Ohmmeter

anges: 0-1000-10,000-100,000 ohms; 1-10-100-1000 megohms (center ales at 10, 100, 1000, 10,000, 100,000 ms; 1, 10 megohms).

ubes: 12AU7 twin-triode meter idge; 6AL5 twin-diode full-wave rect.

Here's the kind of VTVM performance demanded by the quality-conscious technician, serviceman, and experimenter. You save too, because you do the easy assembly yourself. Ideally suited for use in a wide range of service applications—as well as in the construction of original equipment—the Knight-Kit VTVM offers an array of features usually found only on much costlier factory-built units. In addition to measuring AC rms and DC voltages to 1500 volts, resistance to 1000 megohms, and decibels from −10 to +65, it provides true peak-to-peak AC readings up to 4000 volts. Its response to frequencies from 30 cps to 3 mc make it an ideal unit for use in resting amplifiers, preamps, and other audio units for frequency response.

High input resistance—11 megohms—prevents loading down the circuit during test. Also features film-type 1% precision resistors, polarity reversing switch to save time during trouble shooting, printed circuitry for ease of assembly, etc. With 3 test leads (see illustration), battery, wire and solder, and easy-to-follow instructions. 7⅝x5⅜x4¼". For 105-125 v., 60 cycle. AC. Shpg. wt., 7 lbs.
83 Y 125. *$2 Down.* ONLY..25.75

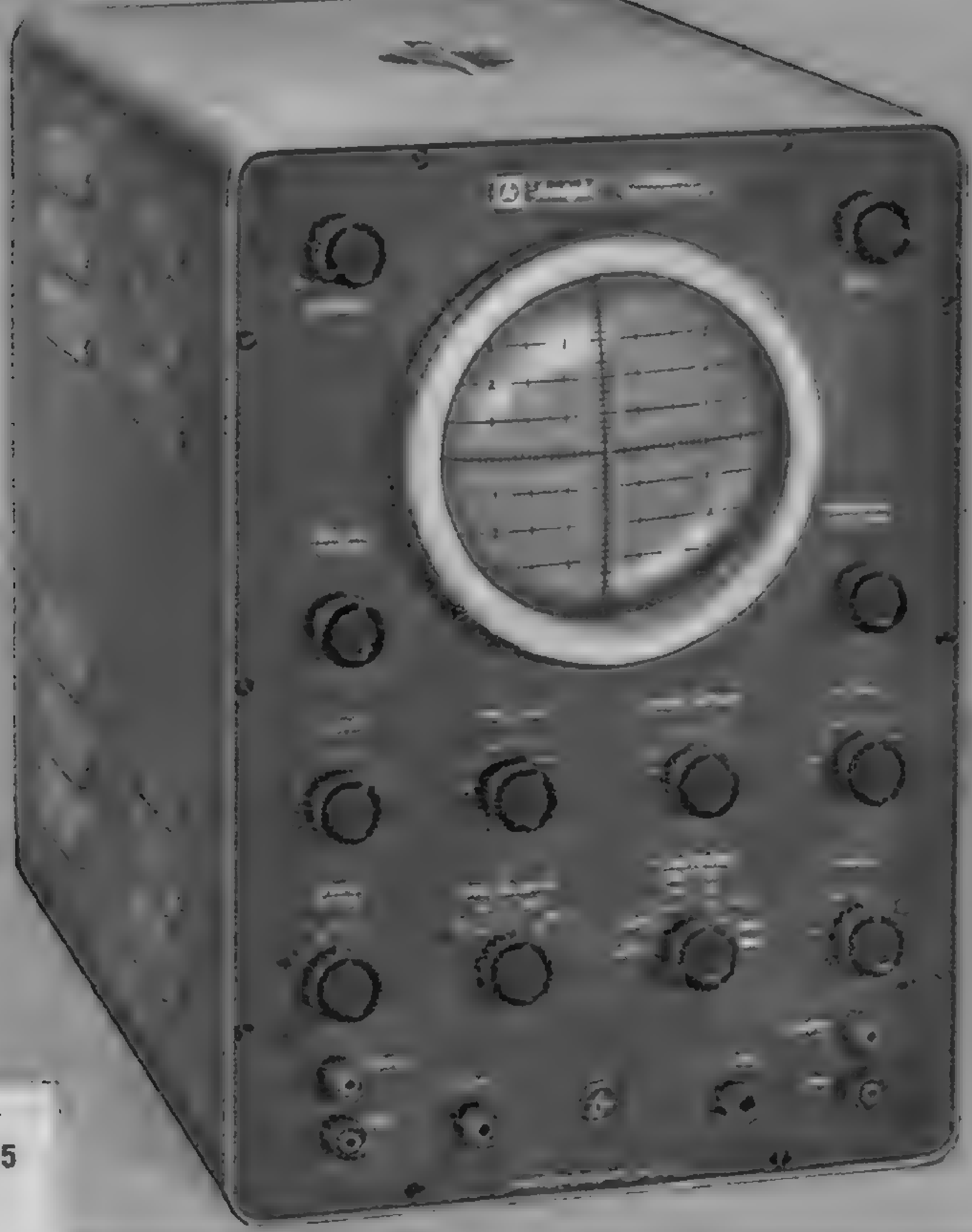
ACCESSORY PROBES FOR VTVM

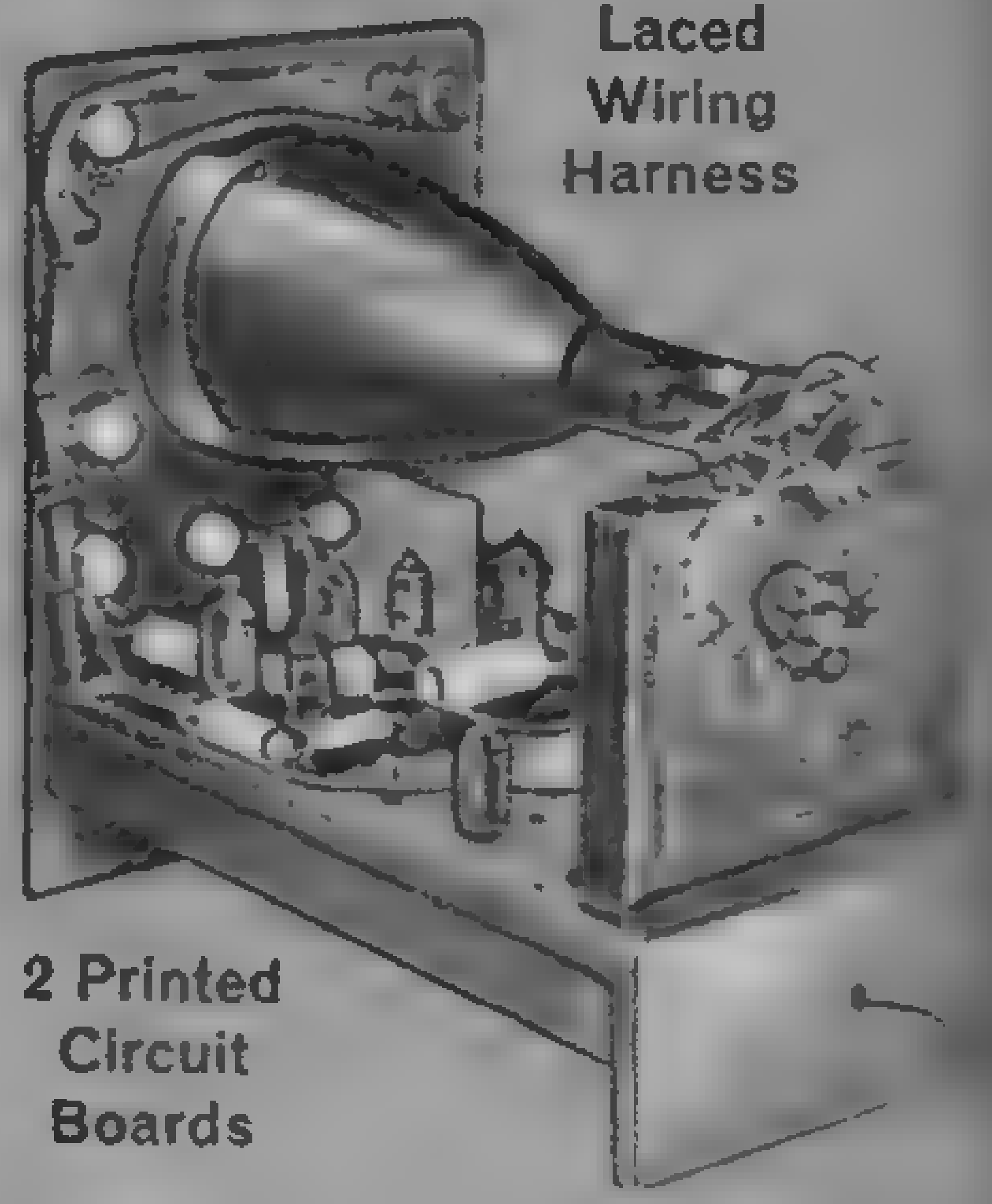
HIGH-FREQUENCY PROBE KIT. Extends AC range to 250 mc. 1½ lbs.
83Y127. ONLY 3.75

HIGH-VOLTAGE PROBE KIT. Extends DC range to 50,000 v. 1½ lbs.
83Y126. ONLY 4.75

Depend on Knight-Kits for Years-Ahead Features—Today

BUILD YOUR OWN SCOPE AND SAVE!





Two up-to-the-minute printed c cuit boards for quick, easy, er free assembly; laced wiring harn further reduces assembly time.

High-frequency vertical response matched by high-speed sweep. Can even make RF stand still.

Lab-quality design: cathode-follower input; direct coupling to CRT deflection plates.

Excellent for color TV servicing and hundreds of other high-frequency applications.

ONLY
65^{75}

$5
DOWN

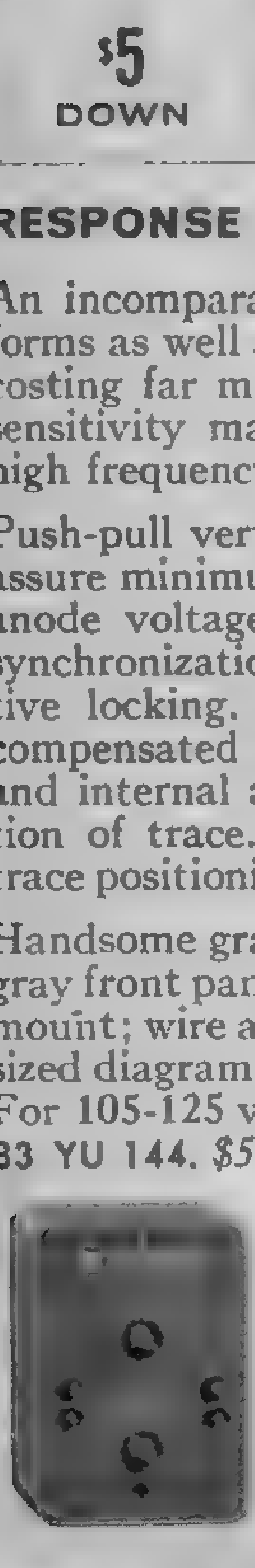
High-Sensitivity 5" Wide-Band Oscilloscope Ki

RESPONSE ± 3 DB, 5 CPS to 5 MC . . . IDEAL FOR LAB OR SHOP

An incomparable value at an attractive low price, this oscilloscope performs as well as or better than many commercially wired wide-band scopes costing far more. Extremely wide sweep range, broad response and high sensitivity make it ideal for color TV servicing and hundreds of other high frequency applications in laboratories, shops and factories.

Push-pull vertical and horizontal amplifiers with cathode-follower inputs assure minimum circuit loading and almost zero wave-form distortion. 2nd anode voltage of 1400 volts provides a high-intensity trace. Excellent synchronization on complex waveforms is achieved by positive and negative locking. Gives faithful square wave response. Includes frequency-compensated input attenuator, one-volt peak-to-peak calibrating voltage and internal astigmatism control. Z-axis input permits intensity modulation of trace. Directly coupled positioning controls allow overshoot-free trace positioning. Retrace lines are effectively eliminated by blanking circuit.

Handsome gray steel case, 14¼x10⅛x15½", has highly attractive charcoal gray front panel. Complete with: test leads; 5UP1 CRT with molded rubber mount; wire and solder; step-by-step instructions and easy-to-follow, giant-sized diagrams. Optional special-purpose probes are listed on opposite page. For 105-125 volts, 60 cycle AC. Shpg. wt., 28 lbs.
83 YU 144. *$5 Down.* ONLY.................................65.75



VOLTAGE CALIBRATOR KIT. Makes any scope a precision AC voltmeter. Puts .01-100 v. square wave on screen. Switch position for comparing external signal. 7⅛x5⅜x4¼". For 105-125 v., 60 cycle AC. Shpg. wt., 4¾ lbs.
83 Y 136. ONLY.................................12.95

SPECIFICATIONS

Vertical Amplifier

Sensitivity: 0.025 volts (rms) pe inch.

Response: ±3 db, 5 cps to 5 mc only 1 db down at 3.58-mc colo burst frequency.

Input Impedance: With x1 sensitivity—2.9 megohms and 21 mm x0.1 and x0.01 sensitivity—3.4 meg ohms and 12 mmf.

Horizontal Amplifier

Sensitivity: 0.6 volts (rms)/inch

Response: Down only 3 db at 60 kc; 4 db at 1 mc. Locks in as high a 9 megacycles.

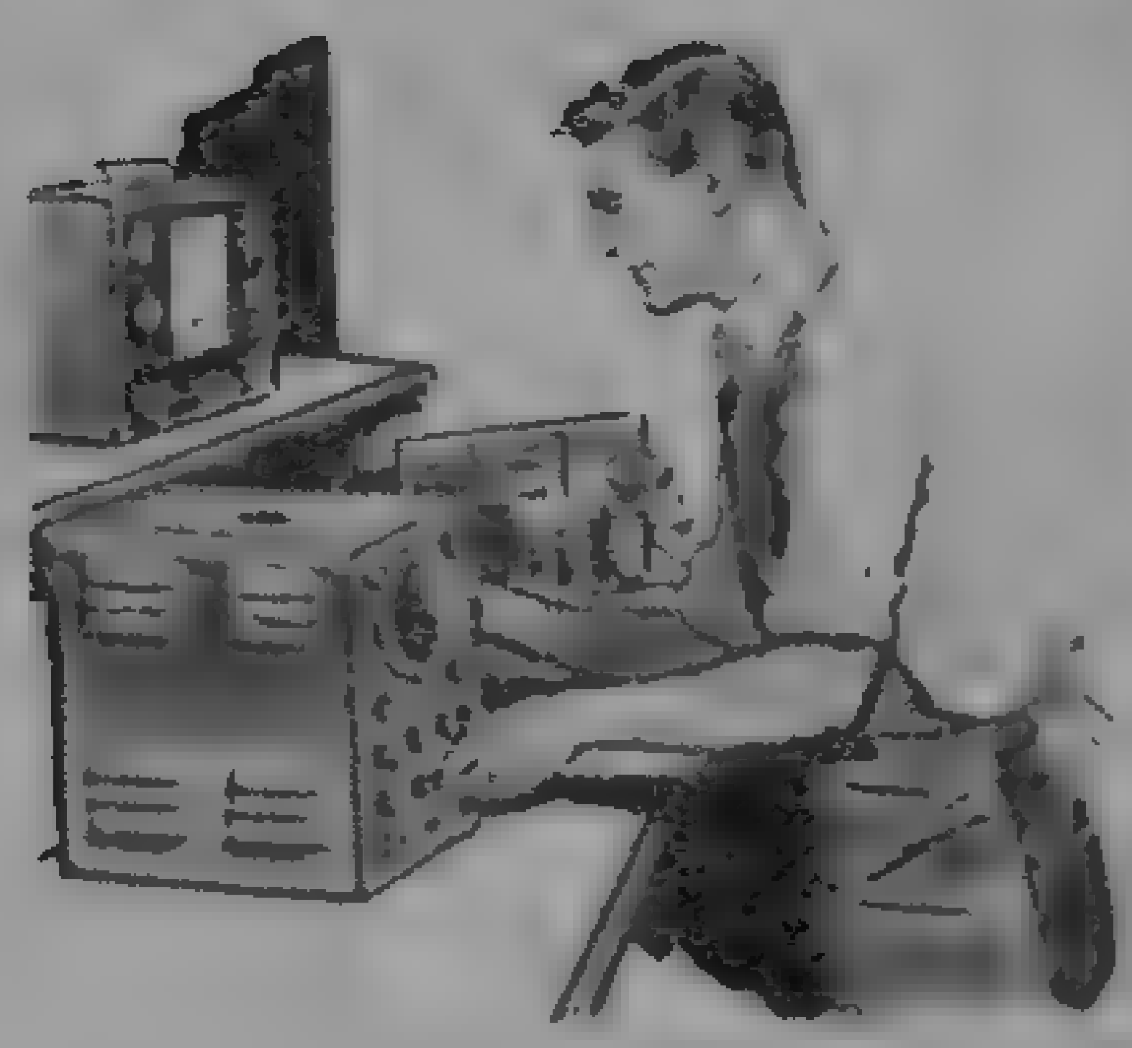
Sweep Generator

Range: 15 to 600,000 cps.

Synchronization: Internal Pos tive, Internal Negative, External an Line Frequency.

Power Supplies: Low-voltage su ply has 6X4 full-wave rectifier w 6C4 voltage regulator. High-voltag supply 1V2 half-wave rectifier su plies approximately 1400 volts to C tube for high-intensity trace.

HIGHEST GAIN 5" SCOPE AT THIS LOW PRICE

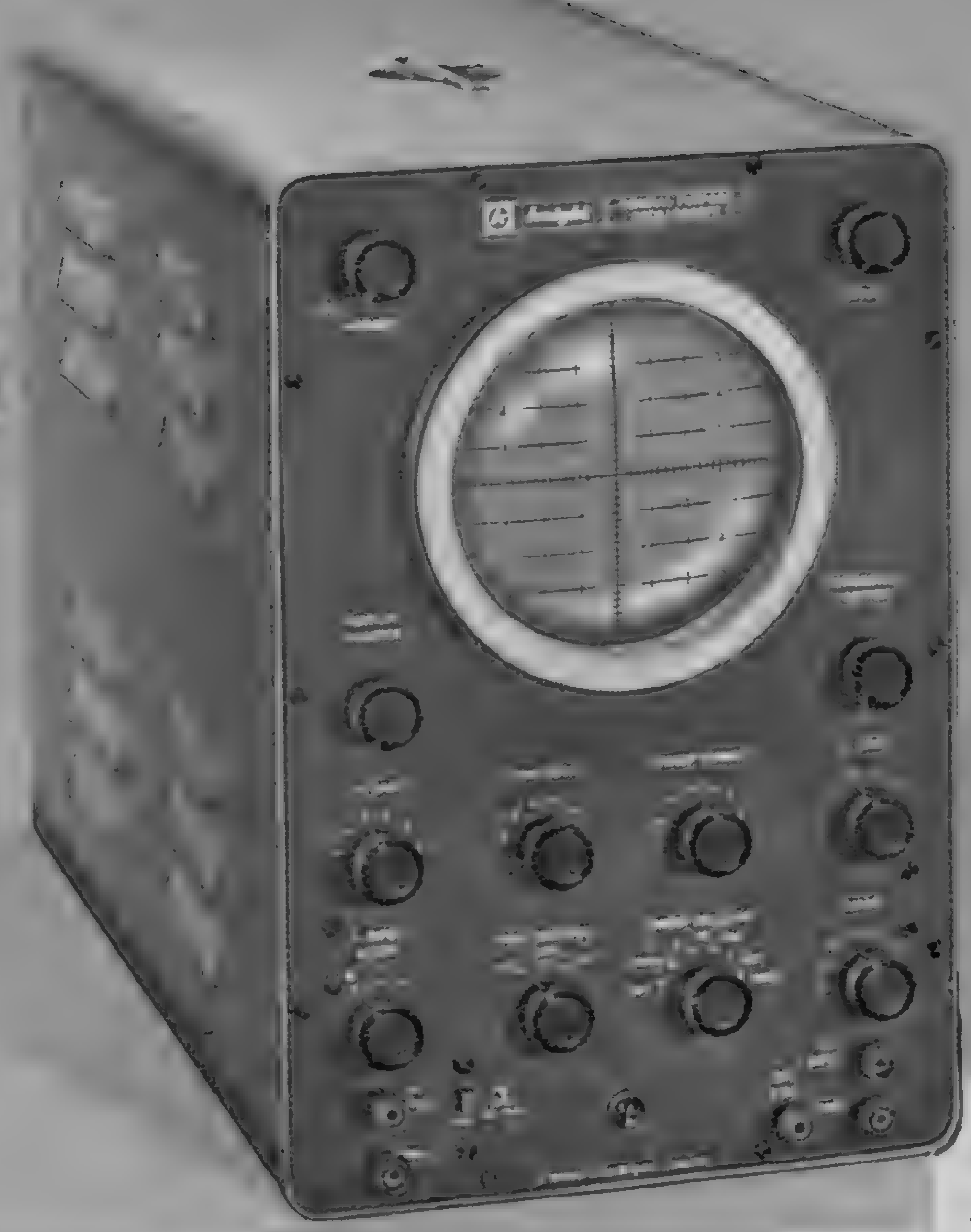


The ideal scope for 90% of applications involving waveform observation. Perfect for all audio work, for TV and FM sweep alignment, and any general-purpose work.

Scope employs modified phantastron sweep circuit, for high sweep linearity.

Easy to build with clear, simple step-by-step instructions anyone can follow.

This economy scope has 3 times the vertical sensitivity of similarly priced units.



ONLY
$\$44^{95}$

$\$2$
DOWN

Top Value 5" General-Purpose Oscilloscope Kit

SPECIFICATIONS

Vertical Amplifier

Sensitivity: .025 volts (rms)/inch.

Response: ±3 db, 3 cps to 1.5 mc; ±6 db, 3 cps to 2.5 mc.

Input Impedance: 3.3 megohms shunted by 45 mmfd, constant at all attenuator positions.

Calibrating Voltage: 1 volt peak-to-peak square wave; regulated. Internally injected with spring-return slide switch on front panel.

Horizontal Amplifier

Sensitivity: .07 volts (rms)/inch.

Response: ±3 db, 3 cps to 500 kc; ±5 db, 3 cps to 700 kc.

Input Impedance: 2.2 megohms shunted by 30 mmfd.

Sweep Generator

Range: 15 to 150,000 cps in 4 ranges; high-linearity phantastron-type circuit.

Blanking: Retrace blanking on all ranges.

Power Supply. Fused. Has copper-banded transformer to eliminate AC hum.

HIGH VERTICAL SENSITIVITY . . . 25 MILLIVOLTS PER INCH

An unexcelled oscilloscope value at this low price—this instrument is excellent for general-purpose radio-TV servicing, audio work, and hundreds of other test uses. Featuring versatility and dependable performance normally found only in factory-wired units costing far more, this high-gain 5-inch scope meets at least 90% of all oscilloscope requirements.

Circuit features include: vertical and horizontal picture-centering controls DC-coupled to CRT deflection plates—the proper centering adjustment is immediate, with no overshoot; blanking circuit to eliminate retrace lines on all ranges; frequency-compensated vertical input attenuator; internal and external, positive and negative synchronization; phantastron-type sweep generator; and high second-anode voltage for high-intensity trace.

Printed circuit board and laced wiring harness assure minimum building time—and maximum performance. Easy-to-follow instructions and picture diagrams guide your every move. Rugged gray steel case has disappearing handle; charcoal gray panel. Size, 13⅝x9¼x17⅞". Complete with test leads, 5" CRT with rubber gasket, wire and solder. Optional special-purpose probes are listed below. For 105-125 v., 60 cycle AC. Shpg. wt., 27 lbs.
83 YU 146. *$2 Down.* **ONLY**..44.95

[A] **250-MC. RF DEMODULATOR PROBE KIT.** Shpg. wt., 8 oz.
83 Y 148. ONLY..............3.95

[B] **12-MMF LOW-CAPACITY PROBE KIT.** Shpg. wt., 10 oz.
83 Y 147. ONLY..............3.95

Build Knight-Kit Test Equipment and Save

ONLY $19.75

$2 DOWN

EASY TO ASSEMBLE

ONLY $44.95

$2 DOWN

RF Signal Generator Kit

160 KC—112 MC OUTPUT ON FUNDAMENTALS

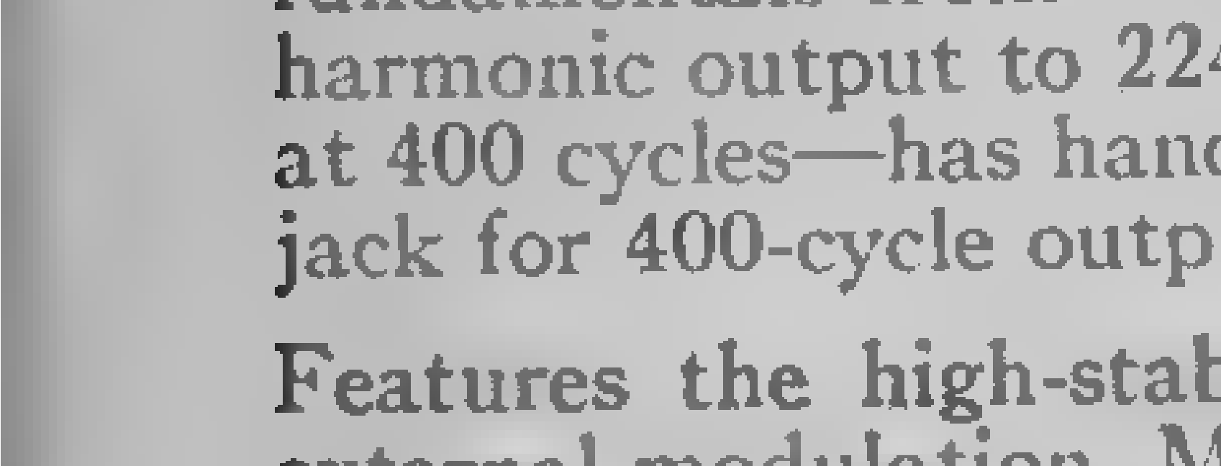
Employs Precision-Wound Coils—Needs No Calibration

Provides Modulated, Unmodulated and 400-Cycle Output

Build this wide-range, extremely stable RF signal generator and pocket big dollar savings over the cost of comparable factory-wired instruments. You'll find assembly fun and easy, too—thanks to step-by-step Knight-Kit instructions and detailed, wall-size picture diagrams. This top-performing signal generator's wide fundamental output range is divided into five separate bands—has large, clearly calibrated semi-circular dial, planetary drive, and easy-to-grip knob to permit high accuracy in the setting of individual frequencies.

Also serves as a TV marker generator when used with your sweep generator—excellent for use with unit listed at right. In addition to providing output on fundamentals from 160 kc to 112 mc, it has a useful harmonic output to 224 mc. Output can be modulated at 400 cycles—has handy, built-in audio oscillator with jack for 400-cycle output.

Features the high-stability Colpitts circuit. Jack for external modulation. Maximum audio output, 10 volts. RF output, over 0.1 volt on all ranges. Step and continuous-type attenuator controls permit precise adjustment of output. Ready to use the instant you assemble it—no calibration needed. With all parts, tubes, wire, solder and instructions. 7¼x10⅛x5¼". For 105-125 v., 60 cycle AC. Shpg. wt., 11 lbs.
83 Y 145. *$2 Down*. ONLY....................19.75



DEPENDABLE TWINS FOR ACCURATE TV AND FM ALIGNMENT

Superb combination! Simply plug the RF Signal Generator into the external marker input of the Sweep Generator—variable markers will be visible on your scope for accurate TV and FM alignment.

Sweep Generator Kit

HIGH-LINEARITY TV-FM SWEEP AT LOW COST

Special Circuit Provides Extreme Sweep Linearity

Fundamental Output to 250 Mc—Flat Within 1 Db

An outstanding, low-cost instrument for TV and F alignment—provides sweep linearity on a par with cost laboratory instruments. Continuous frequency coverag from 300 kc to 250 mc in 4 bands—all on fundamental Additional top features include: an exclusive Knigh Kit sweep system designed for exceptionally eas assembly and adjustment, plus high accuracy an linearity; electronic retrace blanking; and automat gain control circuit which keeps output level consta over the swept range—*flat within 1 db on all band* RF output is in excess of 0.15 volts.

Selectivity curve of TV or FM sets appears as true wav form on a scope—alignment of the set is more precis Sweep width is continuously variable from 0 to 13 m Has built-in crystal-type marker oscillator with du crystal socket and convenient switch for selecting eith of two marker crystals (not included). Crystal and e ternal markers can be mixed. Phase control provid blanking shift from 0-180°. Step-type and continuo output controls, plus marker amplitude control. Filter power transformer prevents RF leakage.

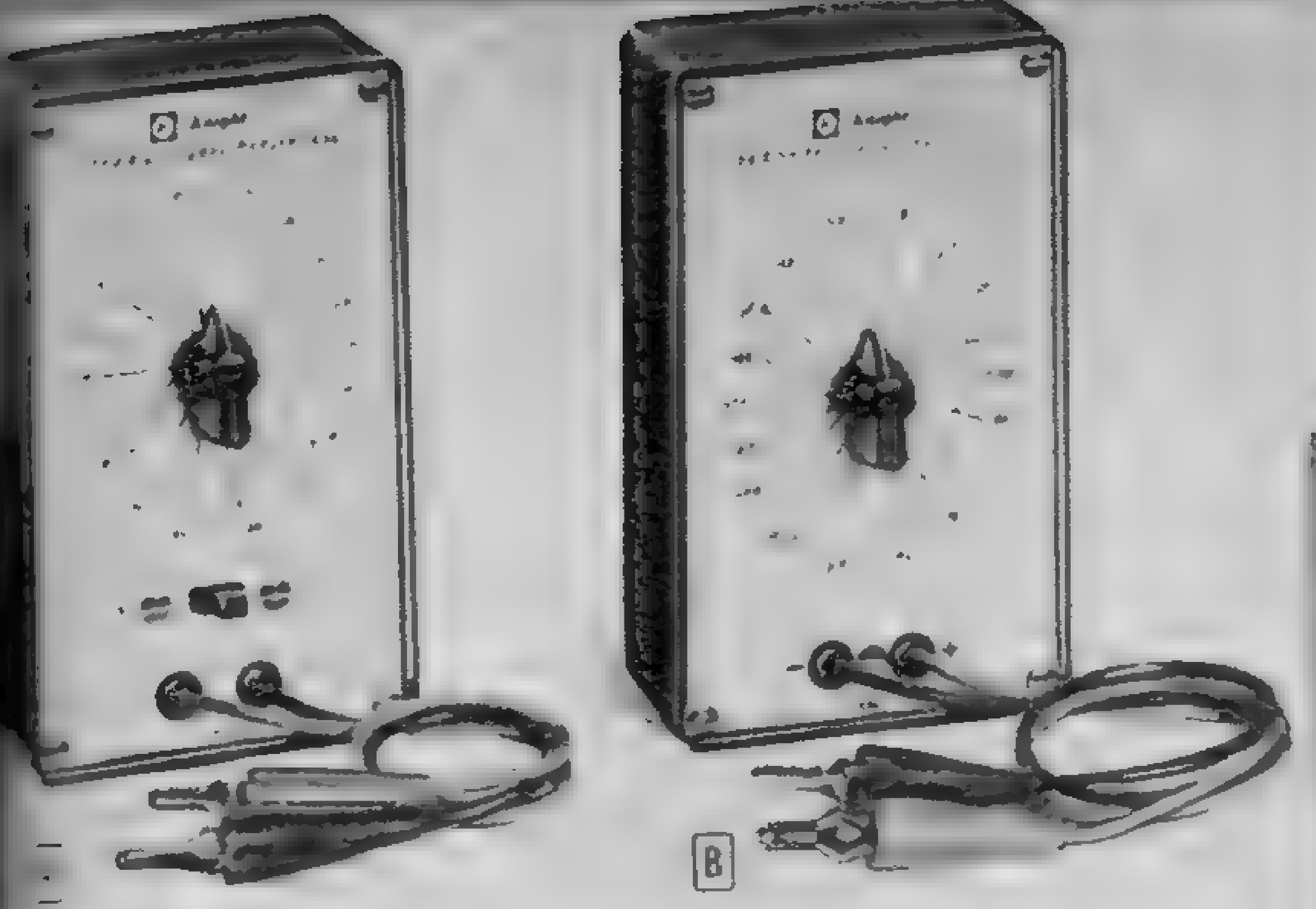
Output filter connected to 0-50 mc range output jac provides 20-db attenuation of undesirable harmon above 50 mc. 5 volt rms, 60 cycle sine-wave horizon sweep voltage (for scope) available from front pan With all parts, wire and solder. Gray steel ca charcoal gray panel. 8⅝x12⅛x7". For 105-125 60 cycle AC. Shpg. wt., 15 lbs.
83 YX 123. *$2 Down*. ONLY....................44.9

4.5-MC MARKER CRYSTAL. ±.005%. Shpg. wt. 3 oz.
99 Y 286. ONLY..............................4.

5.0-MC MARKER CRYSTAL. ±.02%. Shpg. wt., 3 oz.
99 Y 143. ONLY..............................

10.7-MC MARKER CRYSTAL. ±.02%. Shpg. wt., 3 oz.
99 Y 145. ONLY..............................3.

You Can Depend on Knight-Kits for Accuracy



Substitution Box Kits

ONLY $5.95

RESISTANCE SUBSTITUTION KIT

A Find the correct resistance value required in a circuit—in seconds—with this convenient resistance substitution box. Saves valuable time in radio and TV servicing as well as in equipment design. Provides 36 values in 2 ranges. Low range: 15-10,000 ohms; high range, 15,000 ohms to 10 megohms. Slide switch selects either range. Accuracy within ±10%. 18-position rotary switch for rapid setting. Compact, bakelite case; aluminum panel 6¼x3¾x2". Complete with 18" leads, alligator clips, wire and solder. Shpg. wt., 1¾ lbs.
83 Y 139. ONLY........................5.95

ONLY $5.95

CAPACITANCE SUBSTITUTION BOX

B Cuts time and effort in finding correct values for replacement of badly damaged, illegible capacitors. Substitutes a wide range of EIA (RETMA) values. Has 18 standard values from .0001 mfd to .22 mfd. Accuracy ±20%. All values are 600 volts, except .15 and .22 mfd. which are 400 volts. An 18-position switch permits fast selection. In sturdy bakelite case with anodized aluminum panel. 6¼x3¾x2". Kit is supplied complete with all parts, 18" leads, insulated alligator clips, wire and solder. Shpg. wt., 1¾ lbs.
83 Y 138. ONLY........................5.95

Transistor & Diode Checker Kit

ONLY $8.50

Only Low-Cost Checker with Adjustable Forward Gain—Includes 22½-V. Battery

The only low-cost transistor checker with adjustable Forward Current control—permits precise matching of transistor pairs. Checks leakage-to-gain ratio and noise level of all types of junction, point-contact and barrier transistors. Can also check germanium and silicon diodes, forward and reverse-current conduction of selenium rectifiers. Makes continuity and short checks. Features: spring-return Leakage-Gain switch, calibration control, and separate sockets for PNP and NPN transistors. Has rugged, bakelite-cased, easy-to-read meter. The noise level test makes it possible to select low-noise transistors for use in high-gain stages. May be used in conjunction with signal tracer or headphones, if desired. 6¼x3¾x2¼". With all parts and battery. Shpg. wt., 1¾ lbs.
83 Y 149. ONLY........................8.50

Sine Wave Audio Generator

ONLY $35.95

$2 DOWN

Audio Generator Kit

BRIDGED-T R/C OSCILLATOR FOR HI-FI USE

Less Than 0.25% Distortion for Dependable Testing

Frequency Range: from 20 cps to 1 mc in 5 Ranges

A highly dependable audio generator kit featuring an up-to-date circuit developed by the U.S. Bureau of Standards. Its excellent specifications and low cost make it ideal for precise testing of high-fidelity amplifiers, tone control circuits and speakers, or for other applications requiring calibrated, continuously variable audio signals. Performance equals or surpasses far costlier factory-built units. Operates into high-impedance or 600-ohm line.

Uses 6CB6 Bridged-T R-C oscillator. *Frequency Range:* 20 cps to 1 mc; continuously variable in 5 ranges. *High-Impedance Output Voltage:* 10 v., ±1 db to 1 mc. *Output Impedance:* as low as 600 ohms. *Distortion:* less than 0.25% from 100 cps through the audible range into high impedance; less than 0.5% when driving 600-ohm load at 2-v. output. Both a step-attenuated output voltage control and a continuously variable level control are provided in the output stage. Optimum isolation between oscillator and load is provided by means of a second cathode-follower stage, resulting in exceptional stability. *Tubes:* 6CB6, 2—6CL6; 5Y3GT rectifier.

Gray steel case, 7¼x10⅛x8½", with charcoal gray front panel. Supplied complete with all parts, pre-cut wire, solder and step-by-step instructions plus pictorial and schematic diagrams. For operation from 105-125 v., 60 cycle AC. Shpg. wt., 15 lbs.
83 YX 137. *$2 Down.* ONLY..................35.95

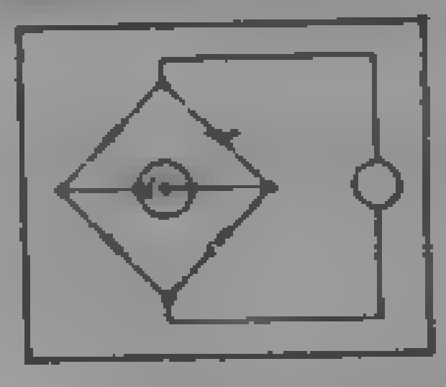
YOU BE THE JUDGE!

FREE Inspection Privileges

Order the kit of your choice and check it in detail. Inspect its components, the circuitry, the assembly and operating manual. If you are not completely satisfied in every way, return the kit for full refund.

knight-kit INSTRUMENTS

Tests Capacitors at Rated Voltage —Measures Resistance to 5 Megohms— Has "Magic Eye" Bridge Null Indicator



Balanced Bridge Circuit

Resistor-Capacitor Tester Kit

ONLY $19.95 · $2 DOWN

DEPENDABLE BRIDGE-TYPE UNIT

An extremely useful instrument—skillfully engineered for top-notch performance in the service shop and laboratory. Measures resistance and capacitance by the highly dependable bridge method; checks for opens and shorts in paper, mica and ceramic capacitors; and indicates the power factor of electrolytics. Its large, easy-to-read dial, used in conjunction with the "magic eye" null indicator, shows resistance and capacitance at a glance. The "magic eye" is also used in testing for opens shorts, intermittents, and in checking power factor Capacitors are tested at actual working voltages.

SPECIFICATIONS. *Test Voltages:* 50, 150, 250, 350 and 450 volts. *Capacity Ranges;* 10 mmf to .005 mfd, .001 to 0.5 mfd, 1 to 50 mfd, and 20 to 1000 mfd. *Resistance Ranges:* 100 to 50,000 ohms and 10,000 ohms to 5 megohms *Accuracy:* ±10%. *Power Factor Range:* 0-50%. Uses 6E5 "magic eye"; 6X4 rectifier. Gray steel case; charcoal gray panel. 7¼x10⅛x5¼". Complete with wire and solder, and test leads. For 110-125 v., 60 cycle AC. Shpg. wt. 9¼ lbs.

83 Y 124. *$2 Down.* ONLY........................19.95

No Unsoldering of Capacitors —Checks Them "In-Circuit"

"Magic-Eye" Indicator Shows Shorts & Opens

Checks Filter, By-Pass, Blocking and Coupling Capacitors

Checks Capacitors from 20 Mmf to 2000 Mfd

"In-Circuit" Capacitor Checker Kit

ONLY $12.95

CHECKS WITHOUT UNSOLDERING!

The Knight-Kit "in-circuit" capacitor checker actually permits testing capacitors while they are wired in the circuit! This valuable time-saving feature is a real boon to servicemen, technicians, hobbyists who maintain electronic equipment. No need to unsolder connections—saves a tremendous amount of time and bother in testing the many capacitors found in TV sets, radios, hi-fi components, etc

Just press a button, and the "magic eye" indicator shows opens and shorts (not leakage). Checks by-pass, blocking coupling and filter capacitors. The test for opens and shorts can be made on any capacitor of 20 mmf or greater capacity, even if the capacitor is in parallel with a resistance as low as 50 ohms. The test for shorts can be made on any capacitor up to 2000 mfd, even when shunted by as low as 20 ohms. Gives accurate readings at a glance Sturdy steel case is finished in attractive gray—front panel in contrasting charcoal gray. Size, 7¾x5⅜x5". Extremely easy to assemble, the unit comes complete with all parts pre-cut wire, solder, test leads, and step-by-step instructions which include giant, wall-size picture diagrams. For 110-120 v., 60 cycle AC. Shpg. wt., 5½ lbs.

83 Y 119. ONLY........................12.95

Checks Horizontal Output Transformers—Deflection Yokes—Linearity and Width Coils for Shorted Turns

Checks Continuity of Circuits from 0 to .5 Megohms

Checks Inductance Quality by "Q" Measurement Method

Low-Cost Flyback Checker Kit

ONLY $19.95 · $2 DOWN

Race through TV deflection circuit repairs—for bigger-than-ever servicing profits—with the Knight-Kit Flyback and Yoke Checker Checks all types of horizontal output transformers, deflection yokes, and linearity and width coils. Indicates shorted turns in any coil with a "Q" greater than 1, and inductance from .00[illegible] to 2 henries. Determines continuity of circuits with 0 to .5 megohms resistance. Checks a wider range of inductance than any other similar unit! 4½" meter has 400-μa movement. Uses 6S4A tube in pulsed oscillator arrangement. Power supply is isolation transformer type. 7¾x5⅜x5". With all parts, test leads, wire and solder, and instructions For 110-125 v., 60 cycle AC. Shpg. wt., 5¾ lbs.

83 Y 118. *$2 Down.* ONLY........................19.95

Outfit Your Service Bench with Knight-Kits

High-Gain Signal Tracer Kit

HIGHEST GAIN AT THIS PRICE

ONLY
$\$26^{50}$
$2
DOWN

For speedier servicing and bigger profits, equip your shop's service bench with the Knight-Kit High-Gain Signal Tracer. Highly versatile, this instrument features special binding posts attached to the internal componentry for "substitution servicing." The internal speaker, output transformer, and B+ supply may be connected to unit being serviced, when these items are suspect, and diagnosis made by substitution.

Permits fast, accurate servicing of radios, TV sets and amplifiers—checks RF, IF, video and audio circuits. Employs pentode front-end for remarkably high amplification—has gain of 91,000—*the highest in its price class.*

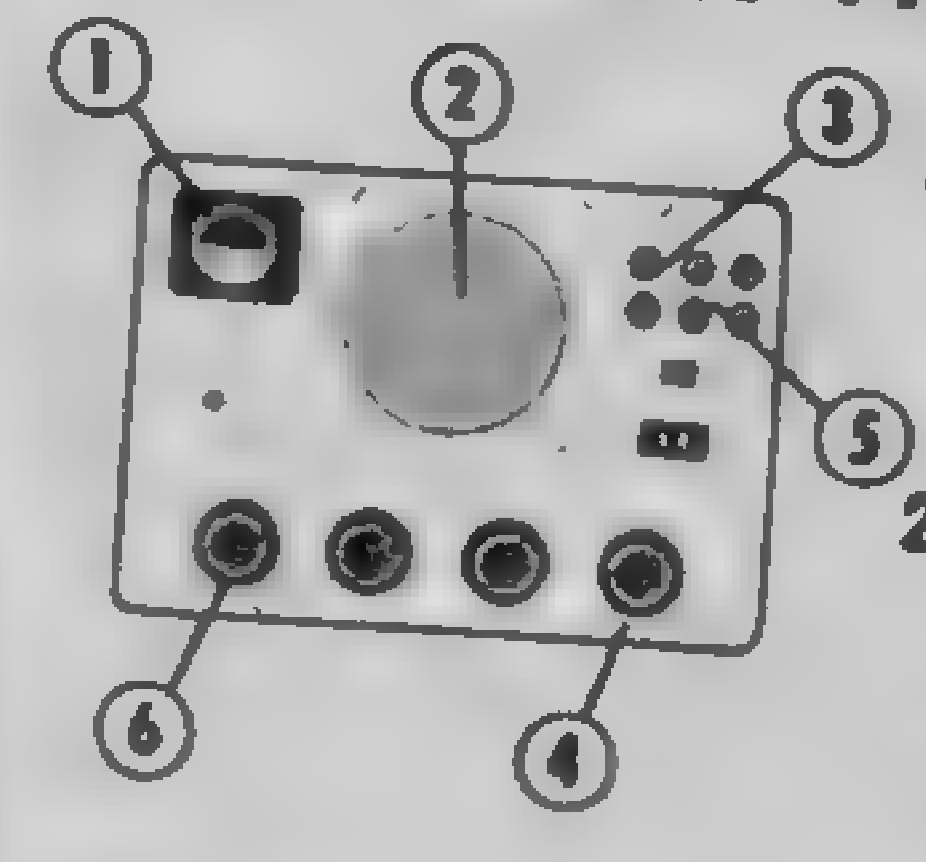
"Magic Eye" tube with calibrated attenuators clearly indicates signal presence and permits stage-by stage gain measurements all the way from the antenna to the speaker. Only 6 mmf input capacitance. In addition to "Magic Eye" indicator, tracer has 4" speaker to permit audible signal tracing or use as a general-purpose audio amplifier. 2-position RF-AF probe supplied affords complete testing versatility; one position of probe is for checking RF, IF and video stages; other position is for checking audio-frequency stages.

Noise test—applies DC to volume controls for amplification of noise characteristic. Built-in wattmeter is calibrated from 25 to 1000 watts—*wider range than any other kit.* Has provision for external oscilloscope or VTVM.

Binding posts provide 280 v. B+ for external uses; permit easy output transformer or speaker check in audio amplifiers. Attractively finished gray steel case and charcoal-gray panel. Size, 7⅛x10⅛x5¼". With disappearing carrying handle. The Knight-Kit High-Gain Signal Tracer Kit is supplied complete with all parts, tubes, probe, pre-cut wire and solder, easy-to-follow, step-by-step instructions, pictorial and schematic diagrams. Tubes: 6AU6 high-gain amplifier, 6AV6 amplifier and wattmeter rectifier, 6V6GT power amplifier; 6E5 "magic eye"; 6X4 rectifier. For 110-125 v., 60 cycle AC. Shpg. wt. 11¾ lbs.

83 Y 135. *$2 Down.* **ONLY**.................... **26.50**

CHECK THESE FEATURES:



1 "Magic-Eye" indicator opens and closes to indicate relative signal strength.

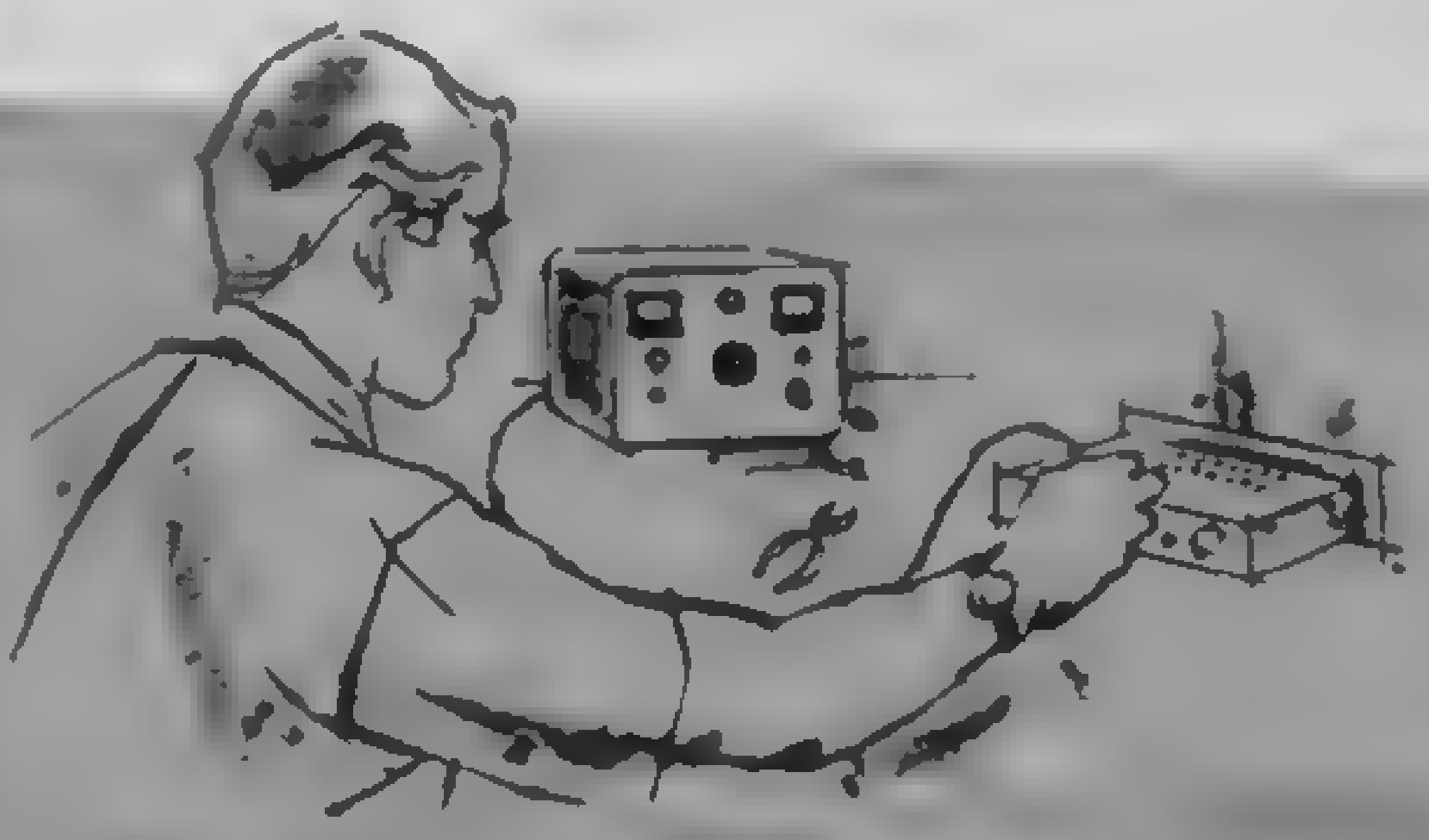
2 4" speaker for aural tracing and locating noisy controls. Also serves as substitution speaker.

3 Special binding post accommodates VTVM or oscilloscope for precise alignment readings.

4 Wattmeter is calibrated from 25 to 1000 watts.

5 Binding posts connect to internal speaker, output transformer, B+ for substitution tests.

6 4-step sensitivity control establishes sensitivity of tracer. Gain control provides intermediate sensitivity settings.



6V-12V Battery Eliminator Kit

DEPENDABLE DC POWER SUPPLY

ONLY
$\$37^{95}$
$2
DOWN

This heavy-duty DC power supply is ideal for testing auto radios, as well as Amateur and commercial mobile radio equipment. Also perfect for use in the servicing of portable transistor radios and hybrid as well as full-transistor car radios. Continuously variable output from 0 to 8 or 0 to 15 volts at higher current than any similarly priced battery eliminator kit. Handles current requirements of any 6 or 12 volt radio. Efficient filter provides low-ripple output. Charges any 6 or 12-volt battery overnight.

Provides DC output of 0-8 volts or 0-15 volts. Continuous current ratings are 15 amps at 6 volts and 10 amps at 12 volts. Intermittent current ratings are 17.5 amps at 6 volts and 12.5 amps at 12 volts. Two meters provide current and voltage readings. Meter ranges are 0-15 volts DC and 0-20 amps DC. Rugged steel case has attractive gray finish—front panel is in charcoal gray. Complete with all parts, wire and solder, and step-by-step instructions. 8⅝x12x7½". For 105-125 v., 60 cycle AC. Shpg. wt., 17¼ lbs.

83 YX 129. *$2 Down.* **ONLY**.................. **37.95**

Provides Continuously Variable DC Output Voltage

Subs for 6 & 12-V Batteries—Also Serves as Charger

Delivers 15 Amps at 6 Volts—10 Amps at 12 Volts

Knight-Kits Are Best By Design

knight-kit
INSTRUMENTS

Best Buys in Quality VOM Kits

ONLY
$17⁹⁵

EASY TO ASSEMBLE—RELIABLE AND ACCURATE

ONLY
$29⁹⁵

$2
DOWN

1000 Ohms/Volt VOM

READS AC-DC VOLTS, CURRENT, RESISTANCE

400-Microamp Meter Movement

1000Ω/v Sensitivity on AC and DC

Complete with Test Leads & Battery

Another outstanding value in an easy-to-build Knight-Kit test instrument. Versatile and accurate, this first-rate 1000 ohms-per-volt VOM features a big 4½" meter with large, easy-to-read scale calibrations. Use of a 400-microamp basic meter movement provides 1000 ohm/volt sensitivity—even on AC! All multipliers used are precision, 1% film-type resistors that maintain extremely high stability.

Other top features include: separate jacks for use when taking readings with 1-amp and 5-kv scales; color-coded jacks for easy identification; convenient db conversion table printed on meter face; large, easy-to-read two-color meter scale; ohms adjustment control; rugged, genuine leather carrying strap; etc.

Unusually easy to put together, this economy-priced VOM can be assembled and ready for use in a matter of a few hours. Step-by-step instruction manual is clearly written and illustrated to guide your every move. In addition, a "How to Use" section in the manual helps you take advantage of all the capabilities of this versatile test instrument.

SPECIFICATIONS. Ranges: AC, DC and output volts, 0-1-5-10-50-100-500-5000; resistance, 0-1000-100,000 ohms and 0-1 megohm (center scale at 60, 150, and 1500 ohms); current, AC or DC, 0-1-10-100 ma and 0-1 amp; decibels, −20 to +69 in 6 ranges. Black bakelite case; with carrying strap. 6¾x5¼x2¾". With battery, test leads, wire and solder. Shpg. wt., 3 lbs.

83 Y 128. ONLY..............................17.95

20,000 Ohms/Volt VOM

REDUCES LOADING FOR ACCURATE CHECKS

4½", 50-μa Meter—2% Accuracy

One-Knob Range-Function Switch

Uses 1% Precision Multiplier Resistors

You'll get the most for your money—and you'll get outstanding quality and performance with this carefully engineered, highly sensitive Knight-Kit VOM. Its 50-microamp meter sensitivity provides 20,000 ohms-per-volt input resistance on DC to assure accurate measurements in high-resistance circuits. This enables you to read voltages in high-resistance circuits—*with little affect on circuit operation.* For AC voltage measurements, input resistance is 5000 ohms/volt. An indispensable test instrument for the radio-TV serviceman, Amateur, laboratory technician and experimenter, it soon pays for itself in time and trouble saved.

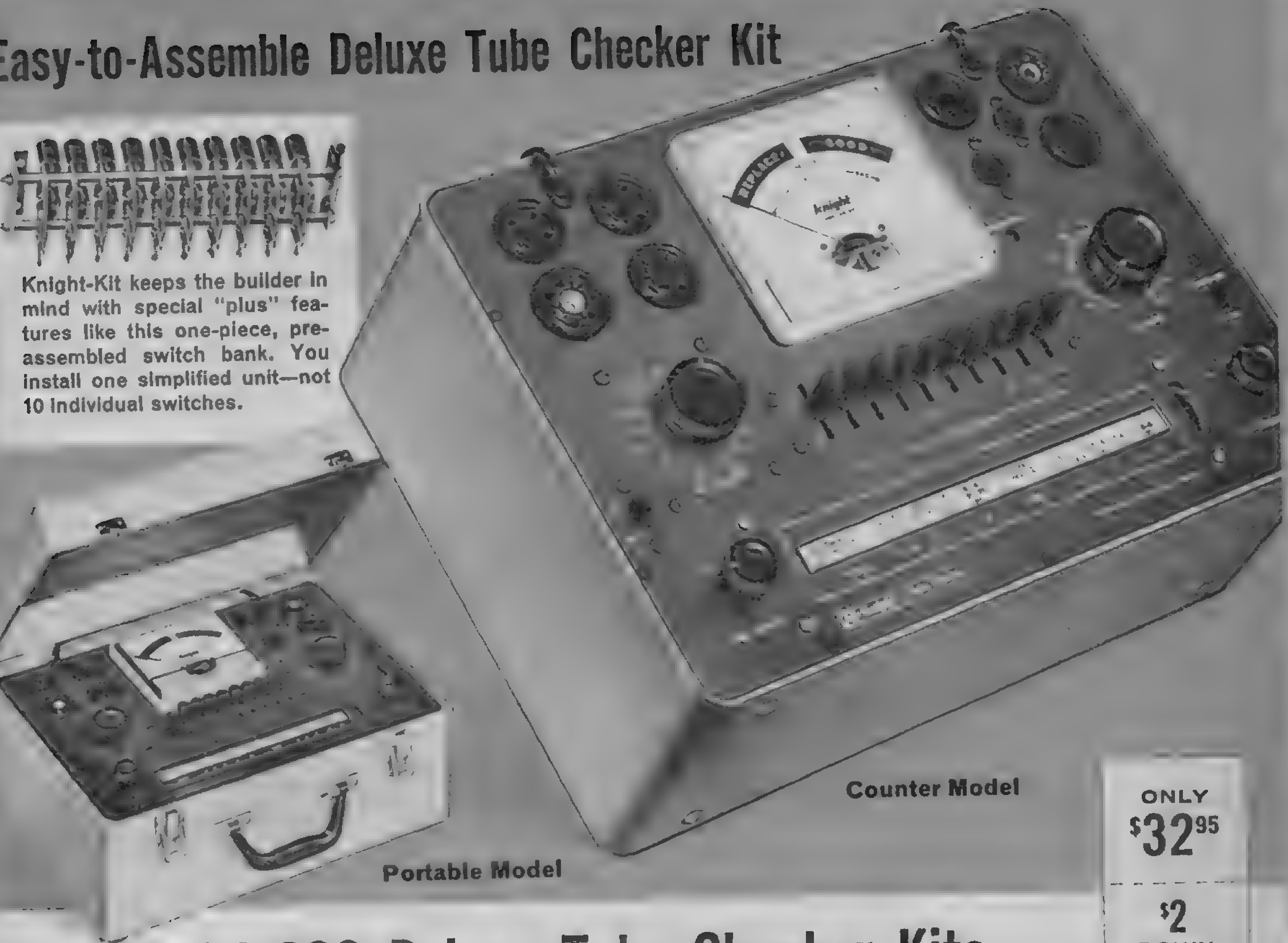
All multipliers are 1% precision resistors to assure accurate measurements. The meter is an integral part of the molded panel. Meter size is an easy-to-read 4½"; movement is accurate within 2% of full scale deflection. Has front panel "zero adjust" control; single switch for selection of function and range.

SPECIFICATIONS: Ranges: AC, DC, and output volts, 0-2.5-10-50-250-1000-5000; resistance, 0-2000-200,000 ohms and 0-20 megohms (center scale readings at 12, 1200 and 120,000 ohms); DC milliamps, 0.1-10-100; DC amps, 0-1-10; decibels, −30 to +63 in six ranges.

Building the Knight-Kit VOM is a pleasant and rewarding experience with famous Knight-Kit step-by-step instructions. Black bakelite case, with leather carrying strap. 6¾x5¼x2¾". Complete with test leads, batteries, wire and solder. Shpg. wt., 4 lbs.

83 Y 140. *$2 Down.* **ONLY**..................29.95

Easy-to-Assemble Deluxe Tube Checker Kit



Knight-Kit keeps the builder in mind with special "plus" features like this one-piece, pre-assembled switch bank. You install one simplified unit—not 10 individual switches.

Counter Model

Portable Model

ONLY
$32^95

$2
DOWN

Model 600 Deluxe Tube Checker Kits

VERSATILE . . . 16 FILAMENT VOLTAGES . . . CHECKS VIRTUALLY ALL RECEIVING & HI-FI TUBES

- Tests Emission as Well as Shorts, Open Elements, etc.
- Actually Checks Over 700 Different Tube Types
- Incorporates Built-In Line Voltage Adjustment
- Accommodates Future Tube Types—Always Up to Date

COUNTER MODEL. An accurate and highly dependable tester, this easy-to-build unit actually tests over 700 different tube types. Amazingly low in cost, it features first-rate performance plus exceptional ease of operation—making it the ideal tube tester for any radio-TV serviceman, experimenter, technician, etc. In addition to testing 4, 5, 6, and 7-pin large, regular and miniature tubes, octals, loctals, 9-pin miniatures and pilot lamps, this quality unit also tests series-string AC-DC and TV types. Checks TV picture tubes, too, when used with adapters listed below, right.

Tube performance is accurately measured by the amount of cathode emission. The large, easy-to-read 4½" meter has a three-color "GOOD-?-REPLACE" scale. Incorporates testing facilities for shorts, open elements, and cathode-to-filament leakage.

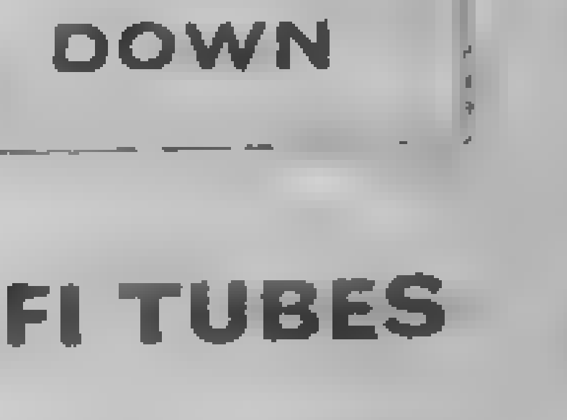
The versatile Knight-Kit tube tester also provides an easy means of running continuity checks on wiring, electrical appliances, motors, etc. Features a convenient, built-in line voltage adjustment control to compensate for any line-voltage variations—adjustable from the front panel for each tube test. The user is provided with facilities for selecting 16 different voltages from 0.63 to 117 volts—facilitates checking virtually all receiving and hi-fi tube types.

A blank panel socket is provided to accommodate future tube types. The universal-type selector switches permit setting up for any new tube-type in the future—without any need for wiring changes. Illuminated roll chart spins easily for quick readability.

Your Knight-Kit counter-type Model 600 Tube Checker is supplied complete with all parts, wire and solder, and world-famous Knight-Kit easy-to-follow, step-by-step instructions with wall-size picture diagrams. Size, 5¼x14⅛x10⅛". For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt., 14½ lbs.
83 YX 143. *$2 Down.* **ONLY**.................. **32.95**

PORTABLE MODEL

Incorporates all of the deluxe features of the Knight-Kit counter-type Model 600 Tube Checker Kit, above, but has fabrikoid-covered portable wood case. Easily transported by handy, durable carrying handle, this unit is just the ticket for servicemen "on the go." Size, 6½x14½x10½". For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt., 13 lbs.
83 YX 142. *$2 Down.* **ONLY**.................. **36.95**



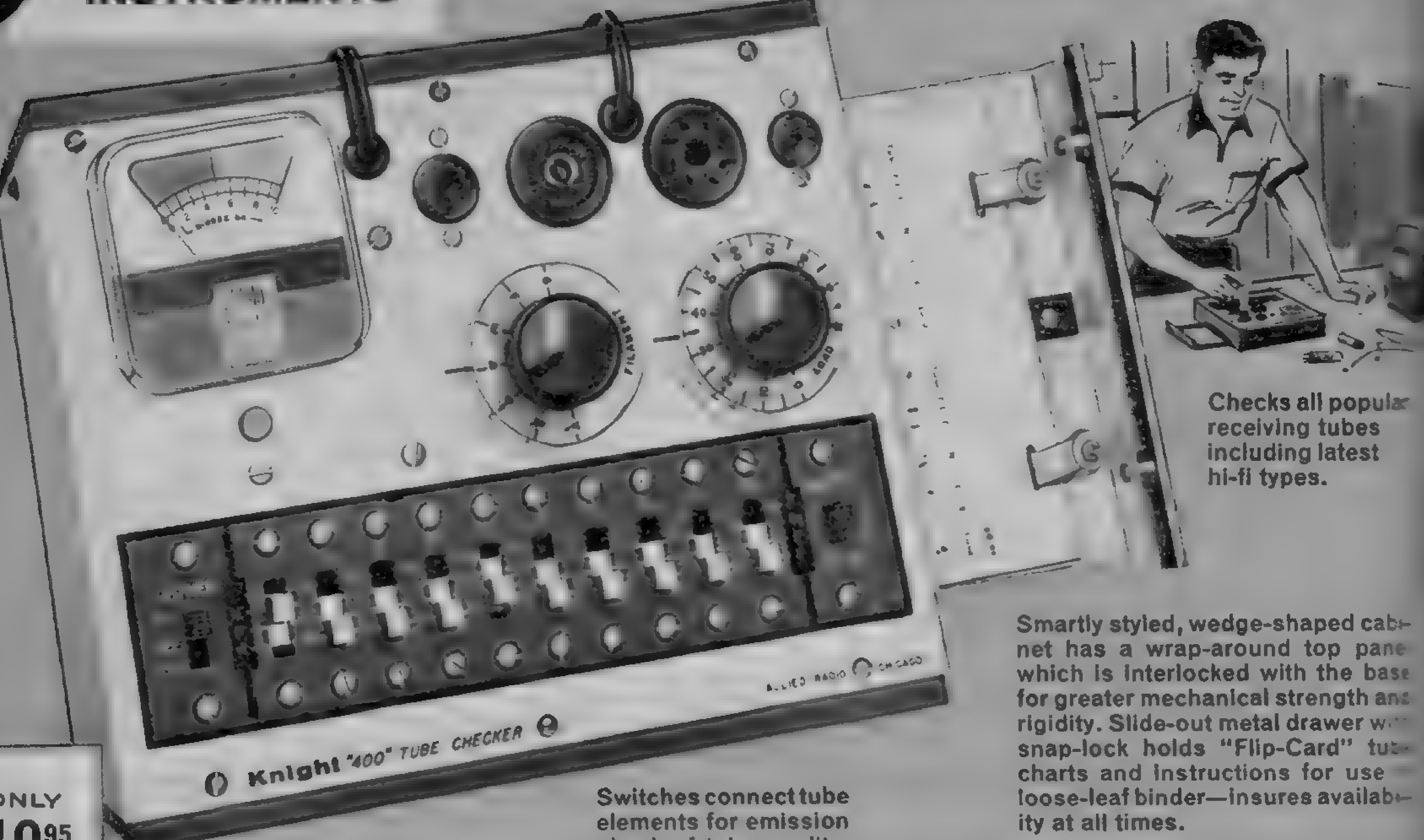
TV PICTURE TUBE HARNESS. For checking picture tubes up to 90° on tube checker kits, above. Shpg. wt., ½ lb.
83 Y 141. ONLY................ **4.25**

110° ADAPTERS. Adapt TV tube harness, above, for checking any 110° picture tube. Shpg. wt., 2 oz.
83 Y 271. Set of 2. ONLY.......... **3.04**

REPLACEMENT ROLL CHART. For use in Knight-Kit Model 600 tube checkers purchased before April 1, 1960. Lists over 700 tubes. Shpg. wt., 2 oz.
83 Y 117. ONLY............................ **1.00**

Knight-Kit INSTRUMENTS

Outstanding Tube Checker Value!



Checks all popular receiving tubes including latest hi-fi types.

Smartly styled, wedge-shaped cab-net has a wrap-around top pane which is interlocked with the base for greater mechanical strength an rigidity. Slide-out metal drawer w snap-lock holds "Flip-Card" tu charts and instructions for use loose-leaf binder—insures availab-ity at all times.

Switches connect tube elements for emission check of tube quality.

ONLY
$19.95

$2
DOWN

Model 400 Low-Cost Tube Checker Kit

CHECKS MORE THAN 400 TUBE TYPES . . . IDEAL FOR HOBBYISTS AND EXPERIMENTERS

An easy-to-build tube checker offered at a price so low that no hobbyist, part-time radio-TV serviceman, or experimenter can afford to be without one. Not a "continuity tester," the Knight-Kit "400" is a genuine emission tester of amazing versatility—permits accurate, comprehensive checking of all tube elements. Measuring only 2½" high, 9⅝" wide, and 8" deep, and having a carrying weight of only 5¼ pounds, this compact unit can easily be taken anywhere. Checks over 400 of the most commonly used radio, TV, and hi-fi tubes for cathode emission, shorted elements, as well as filament continuity. Has sockets for 7 and 9-pin miniature, octal and loctal-type tubes.

Slide-out metal drawer holds tube charts in a loose-lea binding; step-by-step operating instructions are co veniently imprinted on inside cover of tube charts Quick-setting selector slide switches with obsolescence-proof switching circuitry permit connecting any con-figuration of tube elements needed for testing emis sion. Other features include: easy-to-read meter wit red-green (replace-good) scale, plus scale for checkin diodes; control knobs with easy-to-set transparen skirts; voltage regulating switch. Gray with beige fron panel. With easy instructions, wire and solder. For 11 125 v., 50-60 cycle AC. Shpg. wt., 6½ lbs.
83 Y 707. *$2 Down.* ONLY....................19.9

Fits in the Palm of Your Hand

Low-Cost 1000 Ohm/Volt Pocket VOM Kit

ONLY
$9.95

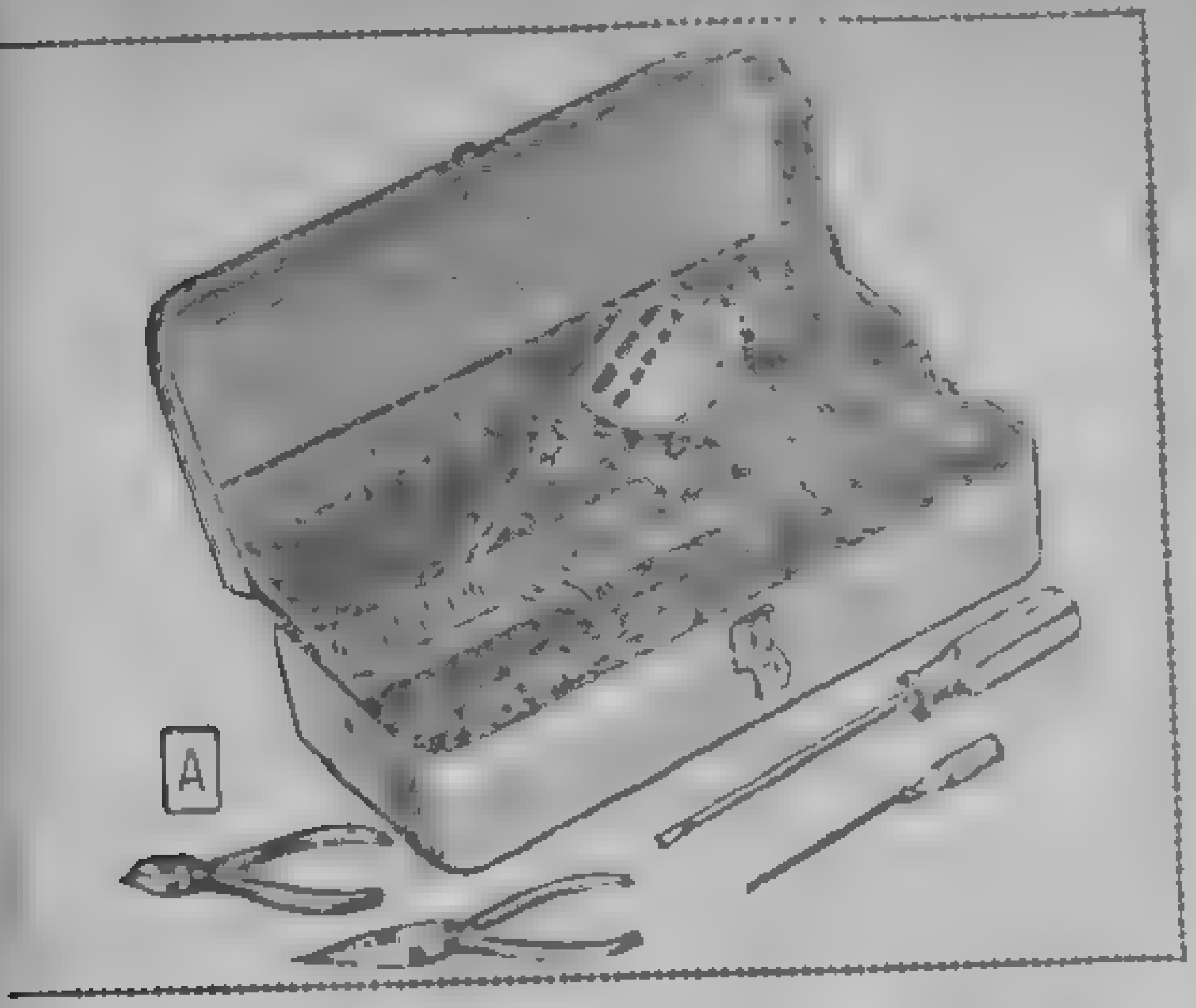
- Compact, Lightweight and Low in Cost
- 1000 Ohms-Per-Volt DC Sensitivity
- 13 Ranges—Reads Voltage, Current, Etc.

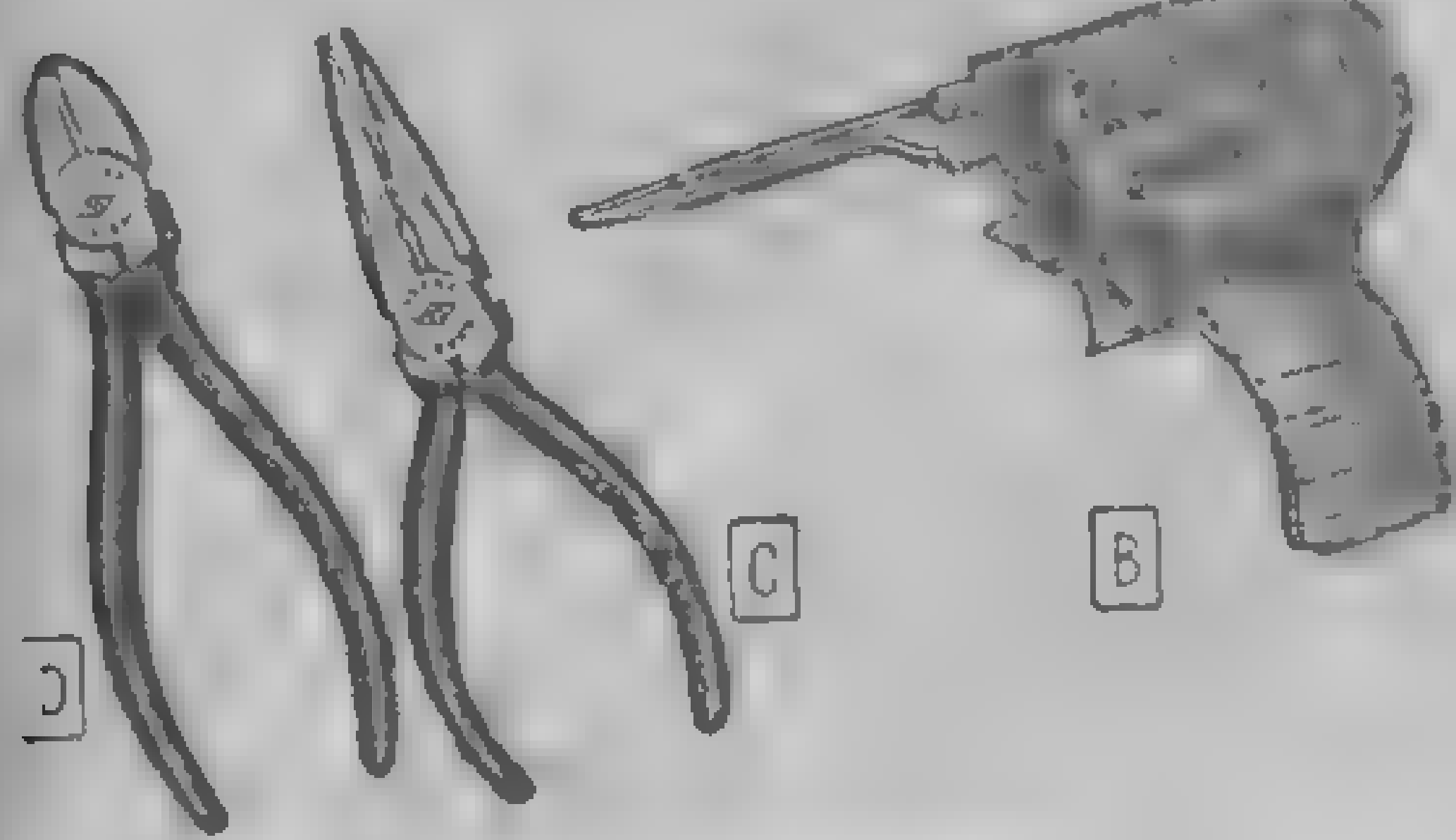
Here's an easy-to-build, pocket-sized 1000 ohm/volt VOM that's hardly larger than a package of cigarettes—and at a price that is unusually low for a VOM of this sensitivity. Unit's 1000 ohm/volt sensitivity insures only moderate loading of the circuit under test—provides more accurate readings when making measurements in high-resistance circuits. The Knight-Kit Pocket VOM is an excellent choice for home hobbyists, Hams, experimenters, students—anyone who wants to equip his workshop with a sensitive VOM at extremely low cost.

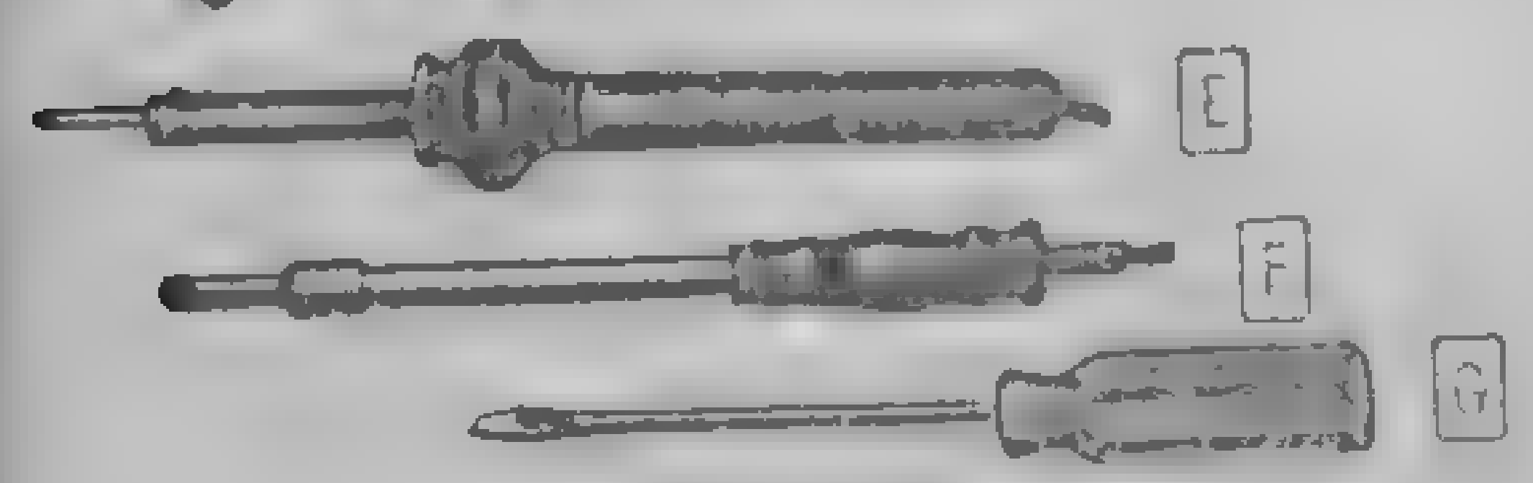
The 2½" meter has an easy-to-rea two-color scale; clear plastic windo protects meter face from accidenta damage. Compact size (only 4" hig 2⅞" wide, and 1½" deep) and rug-ged plastic case make unit high suitable for field work.

RANGES. DC Volts: 0-5-15-50-150-500. AC Volts: 0-15-50-150-500. DC Milliamperes: 0-1-10-100. Resist-ance: 0-30,000 ohms (1200 ohms mid-scale). Input Resistance: 10 ohms-per-volt on DC ranges. Ha front-panel zero-adjust. Employ 5% multipliers and shunts. Simp point-to-point wiring to input jacks which are already installed in case makes assembly quick and eas With test leads, 1½-v. battery, et Shpg. wt., 1 lb.
83 Y 708. ONLY..............9.9

Tools for the Kit-Builder







SPECIAL VALUE TOOLS & KITS

A **TOOL CHEST KIT—INCLUDING SOLDER GUN.** 6-piece tool set. Includes these most-often-used tools: Weller Model 8100 100-watt solder gun; Knight 6" long-nose side-cutting pliers; Knight 5" diagonal cutters; Xcelite 6" screwdriver; Xcelite 4" narrow-blade screwdriver; metal chest. Wt., 9 lbs.
50 N 276. ONLY..............9.95

A **TOOL CHEST KIT—INCLUDING SOLDER IRON.** As above, but with the Wall 14T 40-125 watt pencil-type iron. Wt., 8½ lbs.
50 N 277. ONLY..............9.95

B **WEN MODEL 199 SOLDER GUN.** Instant heat, 130-watt gun. Shpg. wt., 2¼ lbs.
46 N 358. NET................5.83

C **KNIGHT 6" PLIERS.** Long-nose, side-cutting pliers. 10 oz.
50 N 132. NET................2.10

D **KNIGHT 5" DIAGONAL CUTTERS.** High-quality carbon steel. Shpg. wt., 10 oz.
50 N 133. NET................1.84

E **WALL MODEL 14T SOLDER IRON.** Pencil-type; for close work on printed circuit boards. Thermostatic action—heating range from 40 to 125 watts. Wt. 7 oz.
46 N 852. NET................5.78

F **SHOPMATE MODEL 315 SOLDER IRON.** Lightweight, 60-watt soldering iron for general-purpose use. ⅜" pyramid tip. Wt., 12 oz.
46 N 521. NET................1.87

G **KNIGHT 6" SCREWDRIVER.** Chrome-vanadium steel. Overall length, 9⅝". Shpg. wt., 4 oz.
45 N 378. NET................64c

SEE THE ACTUAL PROOF OF

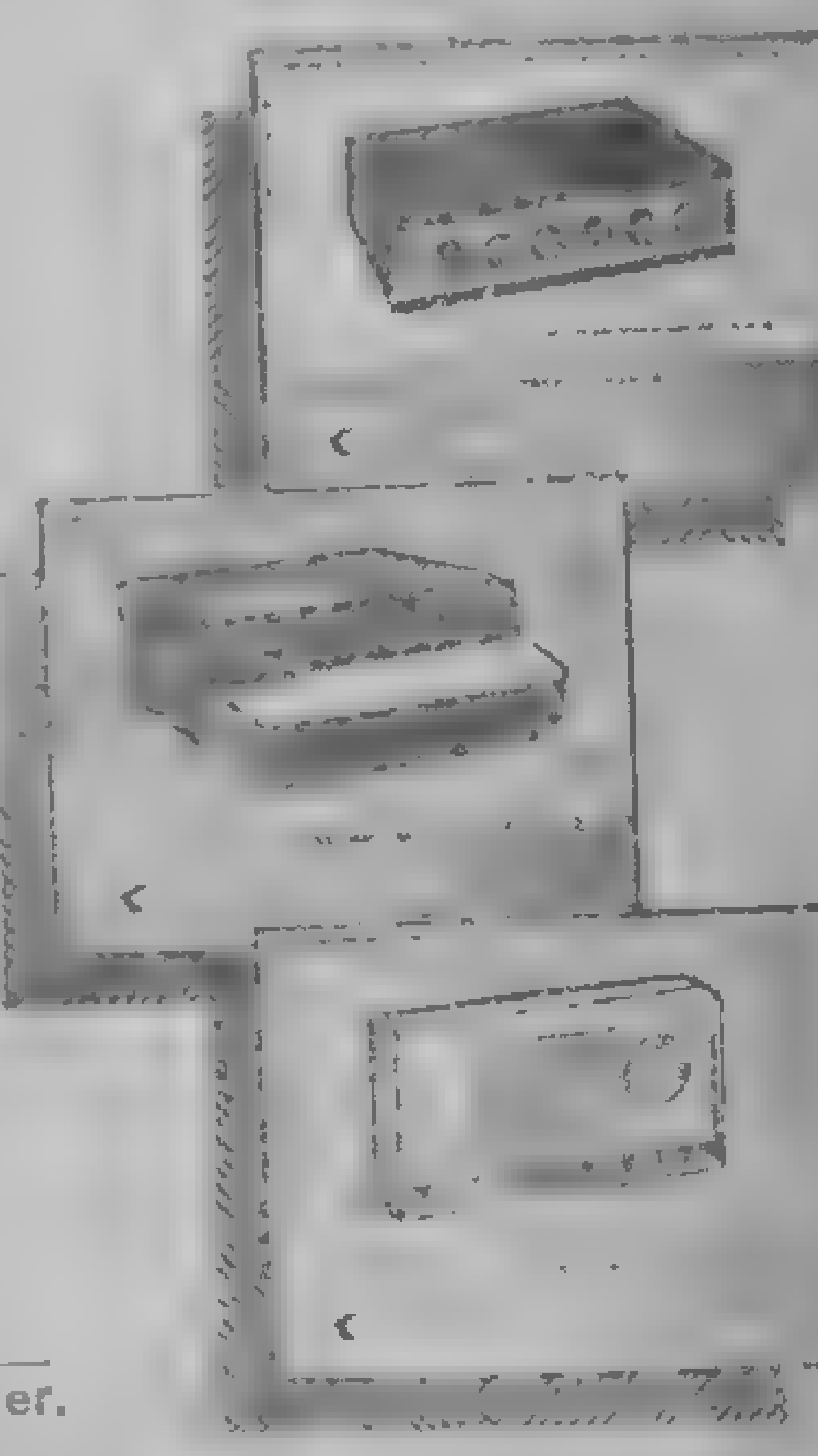
knight-kit SUPERIORITY

EXAMINE OUR COMPLETE INSTRUCTION MANUALS

check the design and quality for yourself

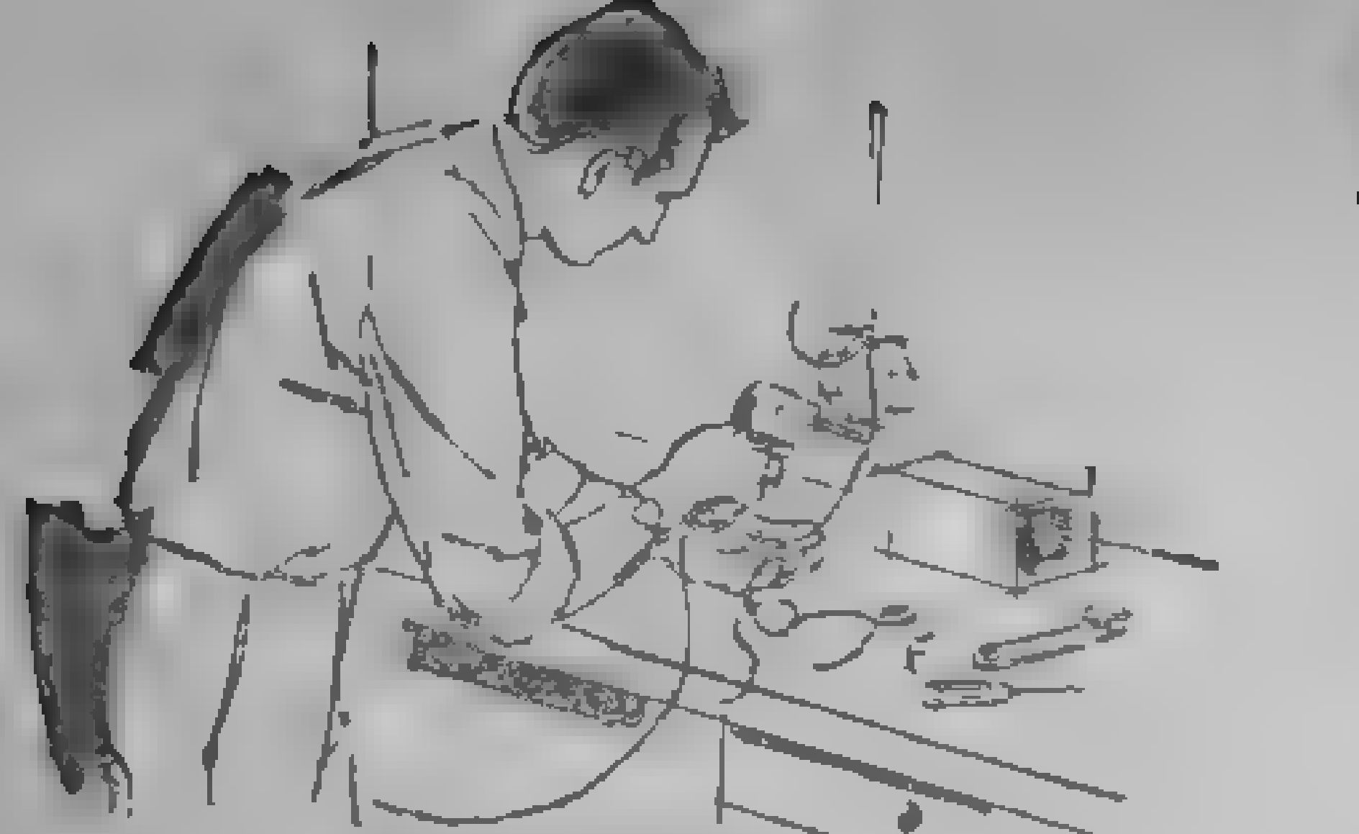
These are the same manuals that are supplied with Knight-Kit electronic kits. Including full construction details, complete specs, and all diagrams, they offer you an inexpensive preview of the outstanding features that these fine kits provide.

37 K 292. 12-Watt Hi-Fi Amplifier.
38 K 871. Stereo Control.
38 K 188. In-Circuit Capacitor Checker.
38 K 184. Resistance-Capacitance Tester.
38 K 148. Capacitance Substitution Box.
38 K 147. Resistance Substitution Box.
38 K 928. Flyback Checker.
38 K 166. RF Signal Generator.
38 K 099. Scope Voltage Calibrator.
37 K 294. Economy "400" Tube Tester.
38 K 199. Transistor and Diode Checker.
38 K 183. VOM; 1,000 ohms-per-volt.
38 K 884. Pocket-Size VOM.
38 K 050. Crystal Set.
38 K 943. "Trans-Midge" 1-Transistor Radio.
38 K 936. 2-Transistor Pocket Radio.
38 K 161. "Ocean Hopper" Receiver.
38 K 298. 4-Band "Span Master" Receiver.
38 K 187. 2-Band "Space Spanner" Receiver.
37 K 290. "Ranger III" Table Radio.
37 K 293. "Ranger" Clock Radio.
37 K 291. Printed Circuit "Ranger III" Radio.
37 K 299. "Ranger" Radio Intercom.
38 K 197. 2-Station Intercom.
38 K 297. Radio-Broadcaster/Amplifier.
38 K 934. Photoelectronic Relay.
38 K 935. Light Source.
38 K 853. Ammeter-Voltmeter for Cars and Boats.
37 K 289. 12-in-1 Electronic Lab.
38 K 295. 10-Circuit Transistor Lab.
38 K 296. 100-kc Crystal Calibrator.
38 K 198. Model Z-52 Impedance and SWR Bridge.
38 K 146. Transistor Code Practice Oscillator.
39 K 282. Power Supply for C-11 Transceiver.
39 K 093. Power Supply for C-27 Transceiver.
ANY MANUAL ABOVE. Postpaid in U.S.A. EACH........................15c



38 K 299. 18-Watt Hi-Fi Amplifier.
38 K 883. 20-Watt Stereo Amplifier.
37 K 298. 25-Watt Basic Hi-Fi Amplifier.
39 K 283. New 32-Watt Stereo Amplifier.
37 K 390. 40-Watt Stereo Amplifier.
37 K 296. 60-Watt Basic Stereo Amplifier.
39 K 286. New 70-Watt Stereo Amplifier.
37 K 295. Hi-Fi Stereo Preamplifier.
39 K 285. New Stereo Record-Playback Preamp.
38 K 126. Hi-Fi FM Tuner.
39 K 044. Deluxe Hi-Fi FM Tuner.
38 K 941. Hi-Fi FM-AM Tuner.
37 K 391. Deluxe Stereo FM-AM Tuner.
38 K 895. 5-Transistor Portable Radio.
38 K 169. Audio Generator.
38 K 196. TV-FM Sweep Generator.
38 K 097. 5" General Purpose Oscilloscope.
38 K 167. 5" Wide-Band Oscilloscope.
38 K 165. Deluxe "600" Tube Tester.
38 K 170. High-Gain Signal Tracer.
38 K 168. VOM; 20,000 ohms-per-volt.
38 K 185. Vacuum-Tube Voltmeter.
38 K 098. 6-12 Volt Battery Eliminator.
39 K 284. New Model R-55 All-Wave Superhet Receiver.
38 K 944. R-100 Amateur Communications Receiver.
38 K 095. T-50 Amateur 50-Watt CW Transmitter.
38 K 180. Model V-44 Amateur Variable Frequency Oscillator.
38 K 852. Model G-30 Grid-Dip Meter.
38 K 186. Model C-11 Citizens Band Transceiver.
38 K 045. Model C-27 Citizens Band Superhet Transceiver.
ANY MANUAL ABOVE. Postpaid in U.S.A. EACH........................25c

37 K 394. Laboratory Automatic AC VTVM.
37 K 393. 5" DC Laboratory Oscilloscope.
37 K 392. Model T-400 400-Watt Amateur Transmitter.
ANY MANUAL ABOVE. Postpaid in U.S.A. EACH........................50c

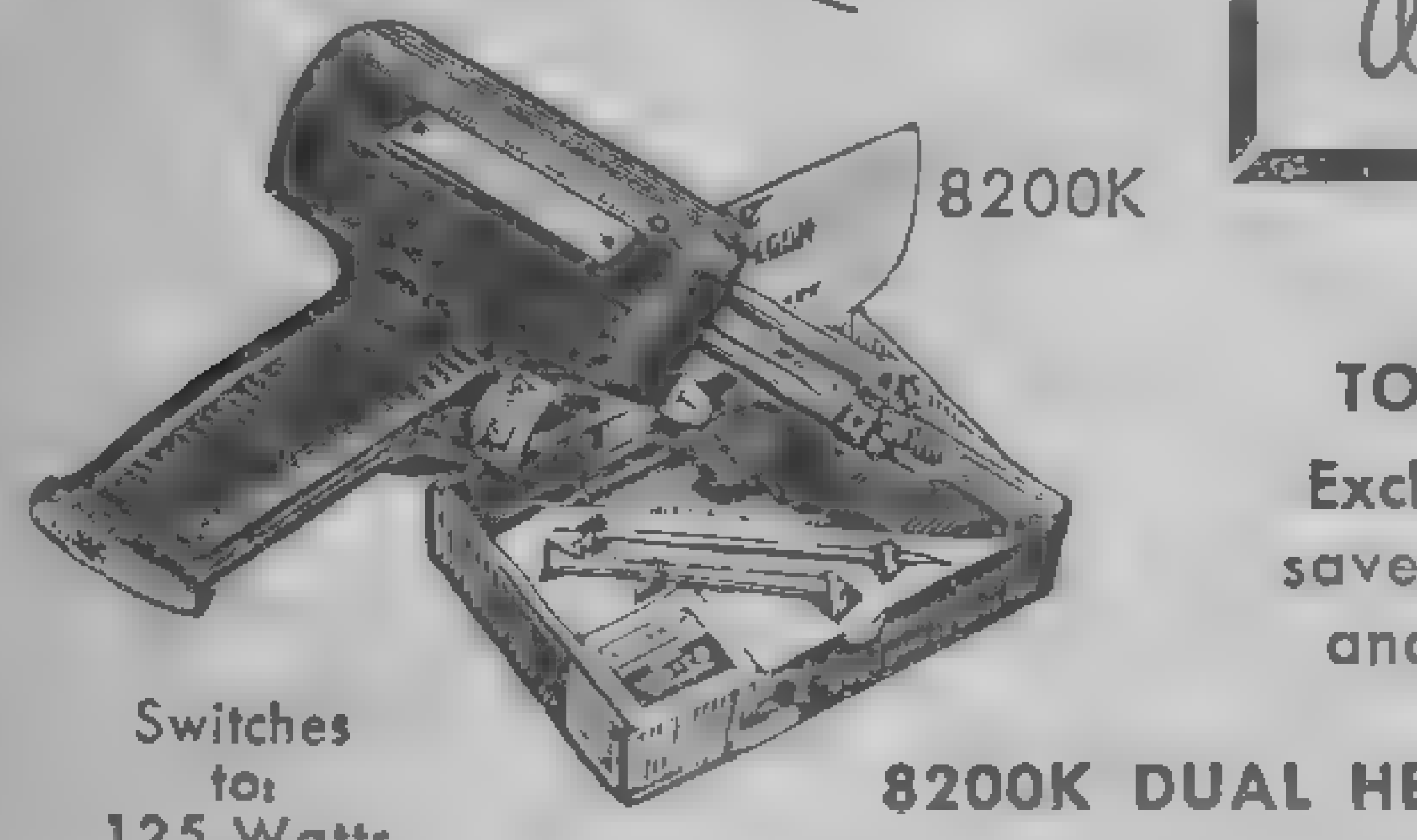


Make ALLIED Your Tool Headquarters

COMPLETE SELECTIONS OF TOOLS AND SOLDERING EQUIPMENT

Allied always brings you the biggest savings and the lowest prices . . . Make Allied your tool supply center for all electronic and home workshop needs. Equip your shop on our Easy Pay Plan—See page 436.

Weller SOLDERING TOOL KITS



Switches to:
125 Watts
90 Watts

TOP BUYS IN SOLDERING KITS

Exclusive Weller Dual-Heat feature saves time, gives greater convenience and substantially increases tip life.

8200K DUAL HEAT SOLDERING KIT

As Low As $5.19

- Kit Includes Gun, Solder-Aid Tool, Cleaning Brush, Solder
- Pre-focused Spotlight Lights Work

A top-value outfit containing everything you need for fast professional soldering. Includes Model 8200 gun with dual heat feature; solder aid tool, cleaning brush; coil of Kester "Resin Five" solder. Gun has triggermatic" control—instantly selects high (125 watt) or low (90 watt) heat. Spotlight illuminates work area. Tip is copper for superior heat transfer. For operation from 110-120 v. 60 cycle AC. Shpg. wt. 2½ lbs.

50 N 280. List $7.95. **NET EACH**..........5.83

3 or More, EACH..........5.19

As Low As $9.77

8250AK HEAVY-DUTY KIT—250 WATTS

Versatile heavy-duty soldering kit. Includes Model 8250A 250-watt gun (with trigger switch control dual spotlights) 1 coil of acid-core solder for metal work (for electrical work, use resin core solder; see solder listing); 1 chisel point tip; 1 smoothing tip; 1 cutting tip 1 wrench for interchange of tips. With metal case, 2¼x11¼x2⅛". For 110-120 v., 60 cycle AC. Shpg. wt., 7¼ lbs.

46 N 677. List, $14.95. **NET**..........10.99

3 or More, EACH..........9.77

Weller QUALITY GUNS—IRONS

Dual-Heat Heavy-Duty Gun

MODEL D-550

- Operates at 200 and 275 Watts
- Dual Spotlights—U.L. Approved

$11.71

Ideal for production line use, service shop, home workshop, etc. Has air cooled transformer and prefocused dual spotlights for throwing plenty of light on the working area. This rugged gun features low-cost, easily replaceable, long-life tips for economical operation. Convenient pistol-grip has trigger switch for selecting either 200 or 275 watt heat. Streamlined design permits reaching tight difficult spots for easy, professional-type soldering in crowded chassis. U.L. Approved. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 4 lbs.

46 N 641. List, $16.25. **NET**..........11.71

MODEL 8250A. Has all the same quality features of Model D-550 above, but less dual-heat operation. Operates at 250 watts only. Shpg. wt., 4 lbs.

46 N 678. List, $12.95. **NET**..........9.52

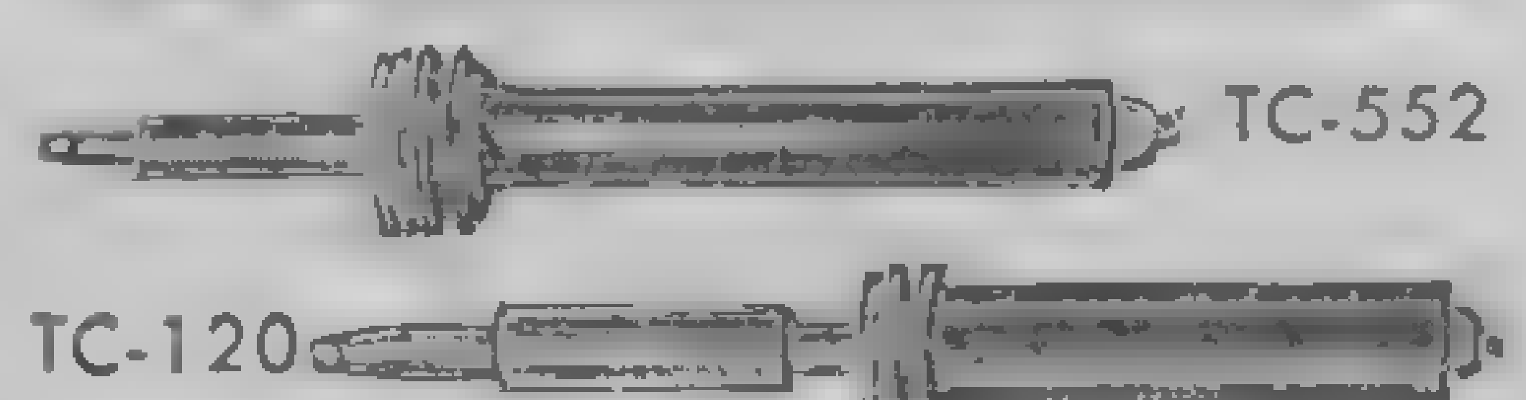
MODEL 8100B. Offering excellent performance at a remarkably low price, this quality, 100-watt single-heat soldering gun is well-suited for the hobbyist, experimenter, or for many small jobs around the home workshop. This budget-priced unit incorporates all of the regular features of the popular 8100 series, plus a new long-lasting tip. Provides 100 watts of heat instantly—no waiting. Also features comfortable fitting pistol grip with convenient finger-tip "on-off" control plus a bright spotlight for illuminating working area. Length with tip, 8¾". U.L. Approved. For 110-120 volts, 50-60 cycle AC. Wt., 2¼ lbs.

50 N 465. List, $6.44 **NET**..........4.73

MODEL D-440. Medium-duty, dual heat soldering gun. Trigger switch selects choice of either 100 or 150 watt heat. Specially designed for homecrafter and all hobby uses. When used with cutting and smoothing tips (right) it performs a wide variety of household applications, including furniture repair, cutting plastic tile, heat-sealing and smoothing of plastic articles, putty removal, etc. Has twin spotlights. Wiping action of tip-fastened nut eliminates contact resistance and oxidation; assures full constant heat. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 3 lbs.

46 N 644. List, $12.95. **NET**..........9.52

TEMPERATURE-CONTROLLED IRONS



Advanced-design soldering irons with built-in temperature control. Automatically maintain correct soldering temperature for reliable soldered connections; precise heat is always at the tip. Reach full heat quickly. Premium-quality construction; all structural parts are stainless steel. Cool-operating handle. Models 602-3A and 120-3A are supplied with industrial 3-wire cord and plug, others with standard 2 wire cord and plug. Av. shpg. wt., 10 oz. For operation from 110-120 volts, 50 60 cycle AC.

Stock No.	Mfr's Type	Watts	NET EACH
50 N 494	TC-552-2B	55	6.61
50 N 495	TC-602-2A	60	7.35
50 N 493	TC-602-3A	60	8.09
50 N 213	TC 120-3A	120	9.19

EXTRA TIPS FOR TC IRONS

Av. shpg. wt., 3 oz.

Stock No.	Type	Description	NET
50 N 497	WT-552-A	3/16" Screwdriver (700°)	.57
50 N 499	WT-552-C	3/16" Screwdriver (600°)	.57
50 N 498	WT-552-B	⅛" Screwdriver (700°)	.57
50 N 496	WT-602-A	¼" Screwdriver (700°)	1.14
50 N 393	WT-120	⅜" Chisel	1.52

VERSATILE ACCESSORY TIPS 3 oz.

Stock No.	Type	Descrip.	For Models	EACH
46 N 681	6110	Cutting	WS-100, WD-135, S-400, D-440, 8100 (B), 8200	35c
46 N 682	6120	Smoothing		
46 N 683	6130	Cutting	WS-200, S-500, D-550, 8250A	
46 N 684	6140	Smoothing		

CHISEL-POINT TIPS

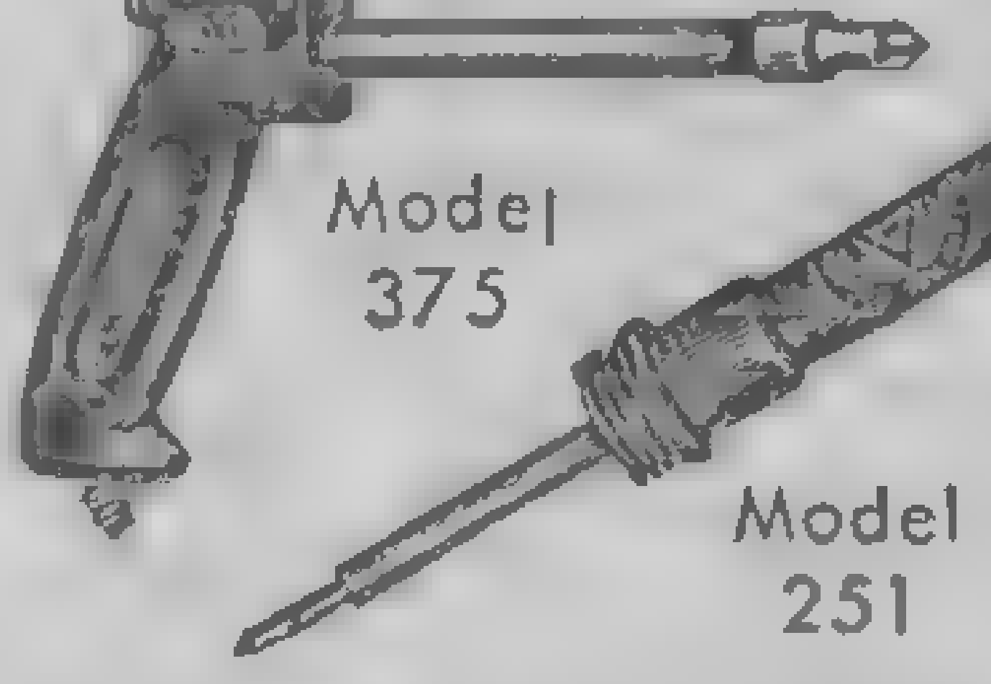
2 per Pkg. Av. shpg. wt. per pkg., 3 oz.

Stock No.	Type	Use With Models	NET
46 N 574	7135	WS-100, WD-135, S-400, D-440, 8100	.25
46 N 573	7250	WS-200, WD-250, S-500, D-550, 8250A	.35
46 N 579	7300	S-107, D-207. Not interchangeable with above	.25
50 N 209	8125	8100B, 8200	.25

SOLDER GUN REPLACEMENT PARTS 3 oz

Stock No.	Type	Descrip.	Use With Models	NET
46 N 625	7325	Tip nut.	D-440, S-400, 8100, 8200, 8100B	.15
46 N 630	7417	Tip nut	D-550, S-500, 8250A	.15
46 N 626	7323	Switch.	All single-heat type.	1.22
46 N 627	7324	Switch	All dual-heat type	1.37

LENK SOLDERING IRONS



ECONOMY PISTOL-GRIP IRON

Model 375. All-purpose 80-watt pistol grip iron. Dependable, heavy-duty element. Chrome plated barrel. Tip dia. ⅜" U.L. Approved. With individual spools of acid core, rosin core solder. For 110-120 v., AC, DC. Shpg. wt., 1¼ lbs.

46 N 638. NET EACH..... 2.49

PENCIL-TYPE IRONS

Model 251 Pencil Type 25-Watt Soldering Iron. Lightweight, compact and extremely sturdy. Has ⅛" dia. tip; weighs only 4 oz. Tiny barrel and tip permit access to tight spots. Perfect for printed circuits. For 110-120 v., AC-DC. 8 oz.

46 N 940. NET EACH 4.29

Type 256. As above, but for heavier work—rated 40 watts. Shpg. wt., 8 oz.

46 N 941. NET..........4.29

REPLACEMENT TIPS

Stock No.	For Model No.	Dia.	Wt.	NET
43 N 714	375	⅜"	4 oz.	54c
46 N 942	251, 256	⅛"	3 oz.	41c
46 N 946	251, 256	¼"	3 oz.	45c

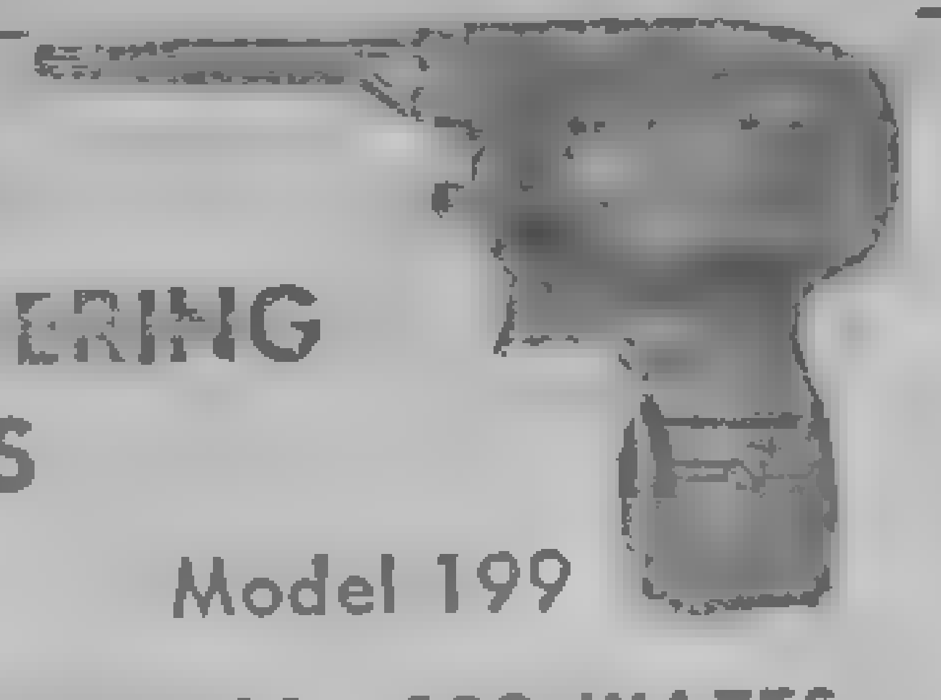
LENK BLOW TORCH

Model 108. Small-size alcohol torch for light jobs. Fits coat pocket or tool chest. Features instant starting. Screw caps permit quick filling and prevent leakage. Double barrel, self-generating. Burns commercial or denatured alcohol 5½x2x1" Shpg. wt., 1 lb.

43 N 701. NET...... 1.99

You can always depend on Allied as your one reliable source for all electronic and tool needs. Complete stocks—same day shipment.

See Following Pages for a Complete Selection of Solder Accessories



WEN SOLDERING GUNS

Model 199

MODEL 199—130 WATTS

Heats in just 2½ seconds. Excellent balance for faster, easier soldering. Efficiency comparable to guns of much higher wattage ratings. Has steel nose long-life tip. Spotlight focuses on work. Rated at 130 watts. Lightweight; only 1½ lbs., for use over long periods of time without fatigue. Heat and shock resistant cherry-red plastic handle. Overall length less tip, 5". 6' cord. U.L. Approved. For 110-120 volts, 60 cycle AC. Shpg. wt., 2¼ lbs.
46 N 358. List, $7.95. **NET**........5.83
3 or More, EACH..................5.19

REPLACEMENT TIPS

Stock No.	Mfr's Type	Description	NET EA.
46 N 359	19-B-4	Standard Tip	34¢
46 N 328	19-C-1	Plastic-Cutting	41¢

Model 288 200-Watt Gun. [illegible] heavy duty soldering [illegible]. Ideal for heavy duty work and a wide variety of [illegible] jobs. Long tip for hard-to-reach places—[illegible] in 5 seconds. Built-in spotlight goes on [illegible] evenly balanced for fatigue-free continuous use. [illegible] proof [illegible] 9½" overall—4½" without tip. U.L. Approved. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 3½ lbs.
46 N 324. List, $9.95. **NET**........7.33
3 or More, EACH..................6.51

46 N 331. Extra Tip. 3 oz. **NET**......41¢

Model 250—250 Watts. Heavy-duty gun heats in 3 seconds. Excellent for radio-TV repair work and provides plenty of heat for heavy soldering jobs. Straight line design and built-in spotlight for illuminating work area. Nickel plated corrosion-resistant tip. [illegible] approved. For 110-120 v., 60 cycle AC. Length, 6½". Shpg. wt., 4 lbs.
46 N 325. List, $12.95. **NET** .. 9.52
3 or More, EACH 8.47

REPLACEMENT TIPS

Stock No.	Mfr's Type	Description	NET EA.
46 N 326	25-A-4	Standard Tip	17¢
46 N 327	25-X-26	Heavy Duty Tip	34¢
46 N 330	25-C-1	Plastic Cutting Tip	34¢

MODEL 100 BUDGET GUN

Ideal 100-watt gun for general purpose soldering jobs around shop and home. Reaches operating temperature in 2½ seconds. Built-in spotlight illuminates work area. Easy action trigger switch on comfort-styled pistol grip. Extra long steel-nosed tip for hard-to-reach places. Shock resistant black plastic housing. Length, 8"; 4¾" without tip. For 110-120 v., 50-60 cycle AC. Wt., 2 lbs.
50 N 025. List, $5.95. **NET**. 4.76
3 or More, EACH 4.46

U-4 FINE SOLDERING TIP KIT

Universal fine soldering radio tip for Wen gun Models 100, 199, 288, and 250. Package also contains 2 couplers and 5 ten inch lengths of No. 14 solid copper wire. Wt., 2 oz.
50 N 192. NET ....53¢
3 or More, EACH....................47¢

SOLDERING GUN KITS by WEN

199K

Combining proven design with latest engineering features for high efficiency at low cost.

MODEL 199K SOLDERING GUN KIT

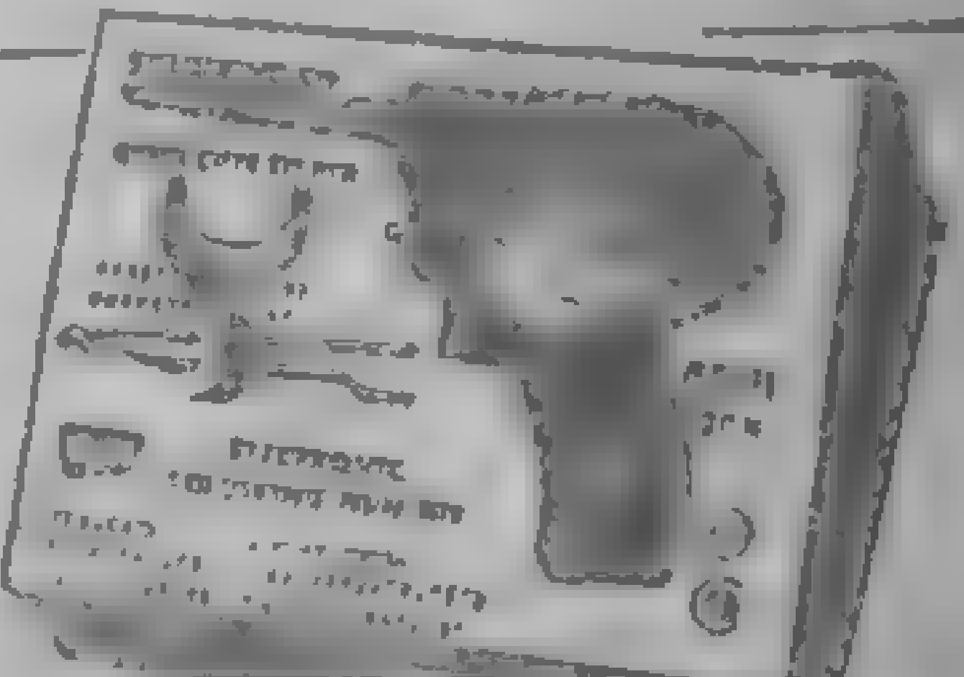
- Quick-Hot—130 Watts
- Heats Up in 2½ Seconds

All-purpose solder gun kit. Includes Model 199 130-watt gun at left; 3 tips; 5 feet of rosin-core solder; attractive heavy-gauge metal case. Trigger controls spotlight and heat—tip reaches operating temperature in 2½ seconds. Tips: Model 19-B-4 long-nosed standard tip for wiring jobs; 19-F-33 flat iron tip for removing dents in furniture, heat-sealing waxpaper and plastic bags; 19 C-1 for cutting plastic and asphalt tile. For 110-120 v., 60 cycle AC U.L. Approved. Shpg. wt., 4 lbs.
46 N 319. List, $9.95. **NET** 7.33
3 or More, EACH..................6.49

100K SOLDERING GUN KIT

- Includes Plastic-Cutting Tip
- With Coil of Solder

Features Model 100 transformer-type gun at left, plus extra plastic-cutting tip and 5-ft. coil of solder. Long steel-nosed tip easily reaches hard-to-get-at places—heats up in 2½ seconds. Built-in spotlight. Extra tip, Model 19-C-1, for cutting rubber, plastic, asphalt tile. For 110-120 v., 50-60 cycle AC. U.L. Approved. Shpg. wt., 2½ lbs.
50 N 191. List, $7.95. **NET**..........5.83
3 or More, NET EACH...............5.04

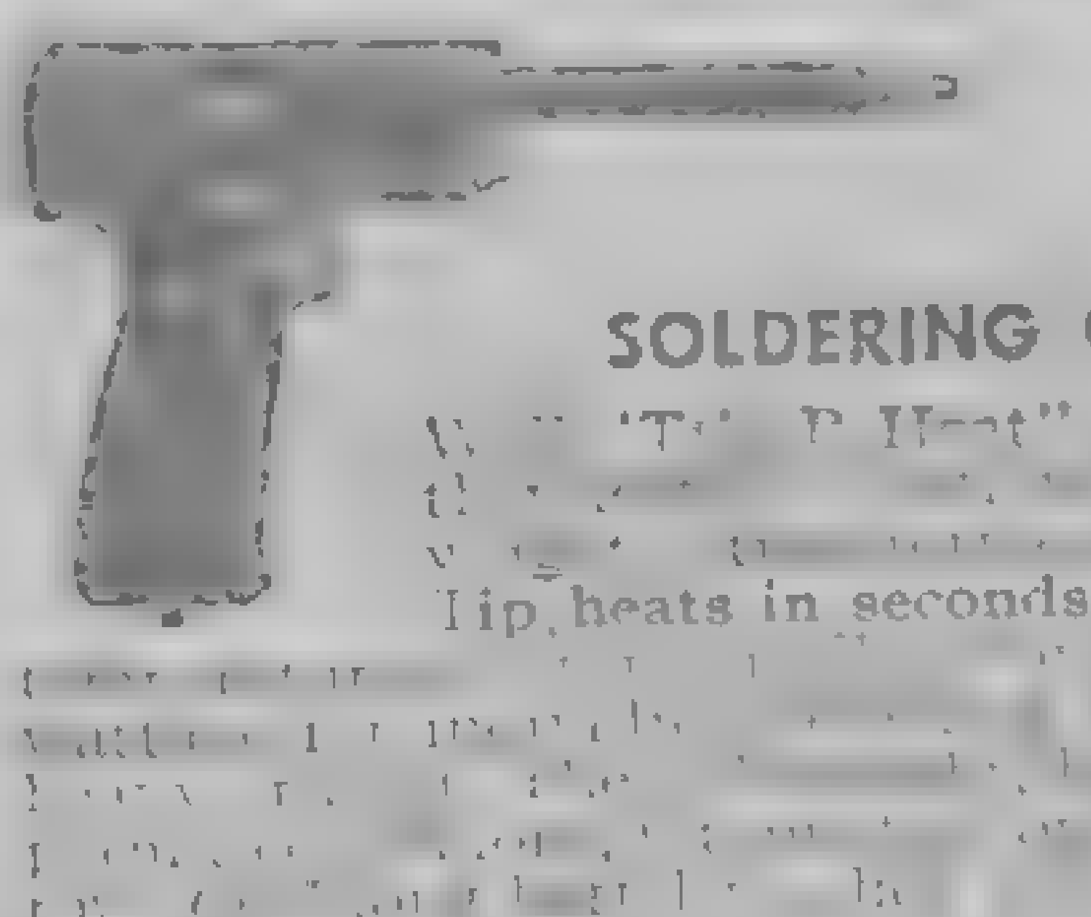


Model 100K

MODEL 250K SOLDER GUN KIT

An outstanding value in a highly versatile solder gun kit. Excellent for home electrical repairs, radio and TV work, [illegible] repair of toys, etc. Includes Model 250 gun that heats up in 5 seconds, three tips for a variety of uses, double-end nickel-plated wrench, 5-ft. roll of solder, and metal carrying case. Built-in spotlight; handle is shock-resistant plastic. Case, 8x9x3". UL Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.
50 N 250. List, [illegible] 3 or More, EACH .. 10.43 **NET** 11.72

WALL SOLDERING TOOLS



SOLDERING GUNS

Wall "Tip-P-Heat" guns feature [illegible] Tip heats in seconds to soldering [illegible] crowded places. [illegible] assemblies have simple plug-in, one-screw installation. Steel-clad tips assure long service [illegible] 110-120 v. AC-DC [illegible]

Model 212LT. [illegible] ½" steel-clad tip. [illegible] switch. Shpg. wt., 1½ lbs.
46 N 843. NET 11.07

Model 214LTN. [illegible] 9.77
46 N 899. NET

Model 238LT. [illegible] 75-150 [illegible] mounted switch. Shpg. wt., 1 lb.
46 N 853. NET. 5.87

Model 238T. Same soldering gun as described above, but less spotlight and rear mounted switch. Shpg. wt., 1 lb.
46 N 846. NET. 5.51

SOLDERING PENCILS

Ideal for fine and heavy production-line work. Thermostat gives quick heating—high wattage for heavy soldering, lower for light jobs. U.L. Approved. Lengths: 18HD, 7", 14T, 8"; 38T, 13½". For 110-120 v., AC-DC. *Pencil types.

Stock No.	Mfr's Type	Watts	Tip	Shpg. Wt.	NET EACH 1-5	NET EACH 6-Up
50 N 3?4	18HD	20	⅛"	7 oz.	5.78	5.31
46 N ?2	14T*	40 to 125	¼"	7 oz.	5.78	5.31
46 N 854	38T	80 to 250	⅜"	2 lbs.	7.18	6.60

REPLACEMENT TIPS

†Wall-ex Red tips for production line use.

Stock No.	Size	For	Shpg. Wt.	NET EACH 1-5	NET EACH 6-Up
46 N 874	⅛"	18T†	2 oz.	.88	.81
46 N 875	¼"	14T†	2 oz.	.99	.90
46 N 876	⅜"	38T†	3 oz.	1.15	1.05
46 N 873	⅛"	18T	2 oz.	.14	.13
46 N 872	¼"	14T	2 oz	.25	.23
46 N 85?	⅜"	38T	3 oz.	.39	.36

TIP-ELEMENT ASSEMBLIES

Replacements for guns at left. *Fits 212 LT and 214LTN, †fits 238LT and 238T.

Stock No.	Watts	Tip	Shpg. Wt.	NET EACH 1-5	NET EACH 6-Up
46 N 870	*150-4[illegible]	¼"	12 oz.	3.75	3.45
46 N 849	*200-650	½"	1 lb.	5.87	5.39
46 N 897	† 75-150	¼"	10 oz	2.94	2.70

ORYX MINIATURE IRONS AND TIPS

¼-OUNCE SOLDERING IRONS

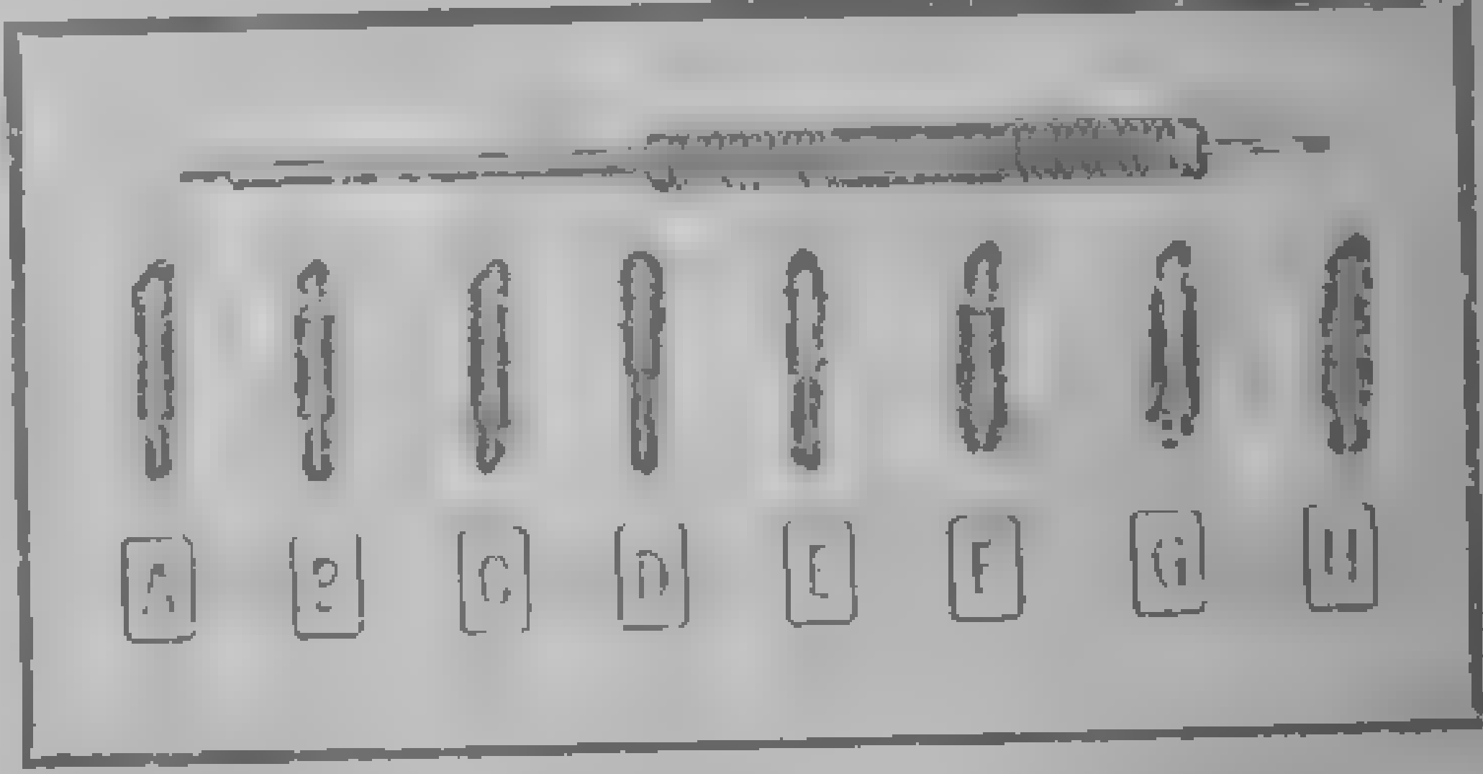
Perfect for the most delicate soldering. Quick heating, low-voltage design. Operate from 6 v. AC or DC. Use with step-down transformer (at right) or other 6-v. source. All are ¼ oz. and 6" long, *except ¾ oz. and 7¼" long. All have replaceable tips, †except fixed tip shown in solder iron illustration, right. Tips are described in table below. §Develops 813° F. for high-temperature applications. ‡Develops 1000° F. Av. shpg. wt., 2 oz.

Stock No.	Model	Tip (Fig.)	Watts	1-11, EACH	12 or More, EACH
46 N 817	†6	Fixed	6	4.95	4.36
46 N 818	6A	B	6	4.85	4.36
46 N 819	9-6	A	8.3	4.85	4.36
46 N 828	§11	D	10	6.81	6.32
46 N 829	12-6	C	12	4.85	4.36
46 N 830	*12	F	12	7.35	6.91
46 N 909	‡25	H	25	7.84	7.40

REPLACEMENT TIPS

Replacement tips for above irons, except fixed tip Model 6. Tips made of special nickel plated copper alloy. *Pure nickel tip and, for long life. Av. shpg. wt., 2 oz.

Stock No.	Fig.	For Model	Dia.	EACH
46 N 831	A	6A, 9-6	[illegible]	.4[illegible]
46 N 843	B	6A, 9-6	[illegible]	[illegible]
46 N 844	C	12-6	⅛"	.49
46 N 845	D*	11	5/32"	1.76
46 N 877	E*	11	[illegible]	1.76
46 N [illegible]	F	12	[illegible]	1.[illegible]2
46 N [illegible]	G*	12-[illegible]	[illegible]	1.31
46 N 912	H	25	¼"	2.30

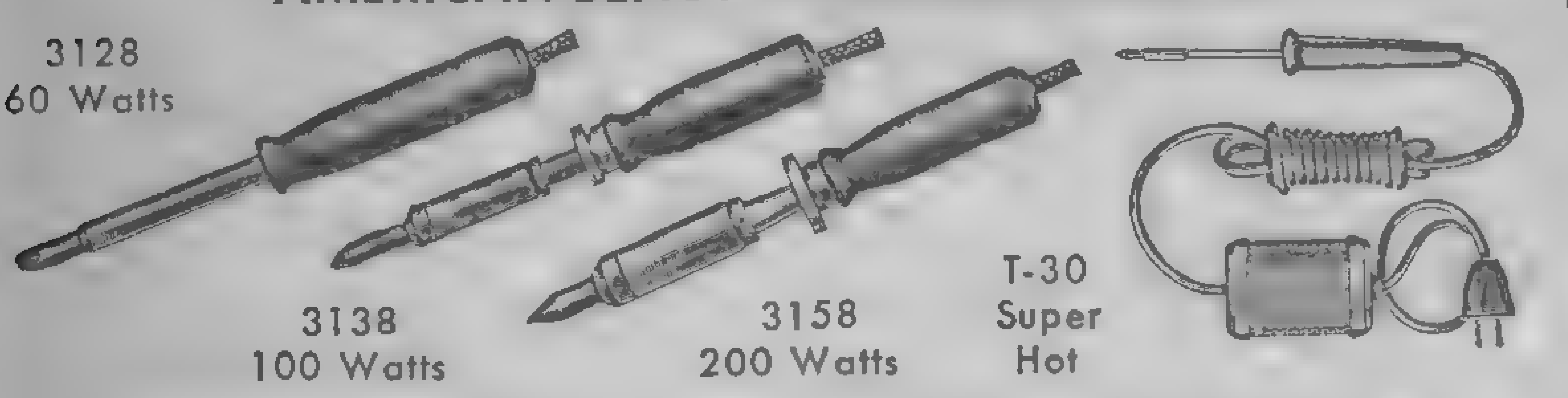


Step-Down Transformer. For irons at left, except Model 25. Has holder for iron. Rated 18 watts. 11½ ft. AC cord. 2¼x2¼". For 110-120 v., 60 cycle AC. Wt., 2 lb.
46 N 923. NET 4.85

Transformer for Model 25. As above [illegible]
46 N 924. NET 5.83

Quality Soldering Irons

AMERICAN BEAUTY SOLDERING IRONS



MODEL 3128—60 WATTS

Designed for light work. Includes ¼" copper tip. With stand. Length, 12¼". For 110-120 volts, AC or DC. Shpg. wt., 1 lb.
46 N 674. NET....................4.70
6 or More, EACH....................4.45

REPLACEMENT TIPS AND ELEMENT

For Model 3128 iron. Type 9272 replacement element has mica insulation; includes handle-spring, tube and terminal assembly.

Stock No.	Type	Description	Oz.	NET
46 N 675	3728	Copper tip	3	.33
46 N 820	3728-IP	Iron-plated tip	3	.75
46 N 670	9272	Element	6	2.55

MODEL 3138—100 WATTS

An excellent general purpose iron for home use. Also widely used in TV, radio, telephone and switchboard work. ⅜" dia. copper tip. Polished chrome-plated metal parts. Has cooling baffle. With stand. Length, 12⅞". For 110-120 volts, AC or DC. Shpg. wt., 2¼ lbs.
46 N 655. NET....................7.15
6 or More, EACH....................6.80

3138 REPLACEMENT TIPS AND ELEMENT

Stock No.	Type	Description	Oz.	NET
46 N 656	3738	Copper tip	6	.46
46 N 821	3738-IP	Iron-plated tip	6	.86
46 N 666	9273	Element	16	2.90

MODEL 3158—200 WATTS

For medium-heavy factory and production work and for industrial electronics. ⅝" dia. tip. With stand. Length, 13⅝". For 110-120 volt AC or DC. Shpg. wt., 3 lbs.
46 N 650. NET....................8.60
6 or More, EACH....................8.20

REPLACEMENT TIPS AND ELEMENTS

For 3158 iron. Tips are ⅝". Element is chrome-nickel wire on mica insulated steel rod.

Stock No.	Type	Description	Lbs.	NET
46 N 652	3758	Copper tip	1	1.08
46 N 822	3758-IP	Iron-plated tip	1	1.71
46 N 665	9275	Element	1½	4.10

MODEL 3178—300 WATTS

Not illus. Heavy-duty iron. For service and production work. Standard equipment in factories and shops. Length 14⅜"; tip dia., ⅞"; net wt., 2½ lbs. With cord, stand and tip. For 110-120 volts, AC, DC Shpg. wt , 4 lbs.
46 N 671. NET....................11.45
6 or More, EACH....................10.90

3778 REPLACEMENT TIPS AND ELEMENT

Stock No.	Type	Description	Lbs.	NET
46 N 672	3778	Copper tip	2	2.15
46 N 823	3778 IP	Iron-plated Tip	2	2.78
46 N 673	9277	Element	1½	5.45

MODEL T-30 SUPER HOT SOLDERING IRON

Advanced-design, 30-watt transformer-type soldering iron. Maintains even heat for heavy-duty, precision jobs. With pre-tinned, ⅛"-dia. pyramid tip; 7-ft. cord. For 110-120 v., 50-60 cycle AC. Shpg. wt., 2 lbs.
50 N 050. 6-Up, EA. 13.65 **1-5, EA.** 14.30
50 N 051. As above, but with ¼" tip dia.
6-Up, EACH....13.65 **1-5, EACH**..14.30

REPLACEMENT TIPS. For Model T-30 iron above. Wt., 2 oz.

Stock No.	Tip Element	1-11,EA.	12 Up,EA.
50 N 052	⅛" Pencil	2.50	2.00
50 N 053	⅛" Chisel	2.50	2.00
50 N 054	¼" Pencil	2.50	2.00
50 N 055	¼" Chisel	2.50	2.00

REGULATING STAND AND SOLDER POTS

SHOPMATE SOLDER POTS

Model 200—300 Watts. Heavy-duty production type solder pot. Excellent for dip soldering wires, plugs, coils and printed circuits. 2½" x2" deep well holds up to 2 lbs. solder. With detachable cord and plug set. Extension lip protects cord from solder. For 110-120 v., AC or DC. Shpg. wt., 6 lbs.
46 N 555. List, $12.00. **NET**..........7.20

Model 100—150 Watts. Ideal solder pot for general light-duty work. Excellent for tinning wires, component leads, plugs, etc. 1½" dia.x1" deep well holds 1 lb. of solder. With cord. For 110-120 v., AC or DC. Shpg. wt., 3 lbs.
46 N 556. List, $9.50. **NET**..........5.70

LECTROHM SOLDER POTS

Solder pots for work requiring individual dipping pots. For tinning small wires, leads, etc. Sizes—SP-200: 2¾" ht., 2⅜" dia., ⅞" cup depth; SP-250: 3¾" ht., 2" dia., 1¾" cup depth. Complete with 6 foot detachable cord. For 110 volt operation, AC or DC.

Stock No.	Type	Capac.	Watts	Wt.	NET
46 N 880	SP-200	1¾ lbs.	200	3¼ lbs.	4.98
46 N 881	SP-250	2 lbs.	250	3½ lbs.	4.98

Replacement Nickel-Chrome Elements. Shpg. wt., 3 oz.
46 N 882. Type A. For SP-200. **NET**..1.42
46 N 883. Type B. For SP-250. **NET**..1.42

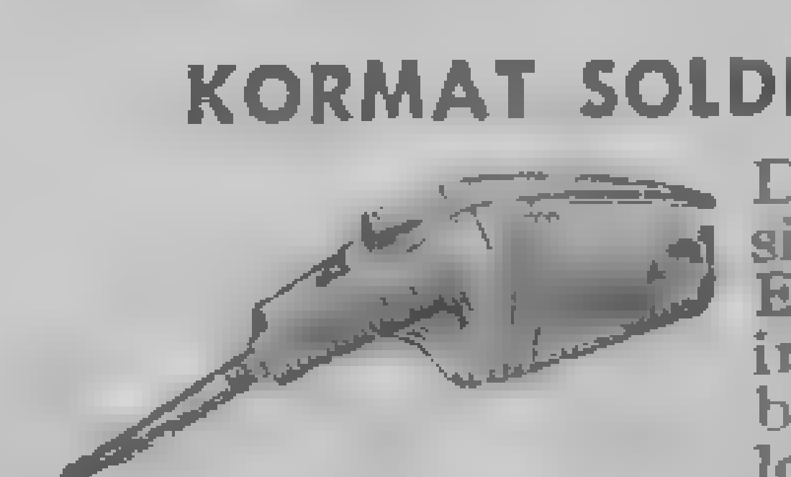
AMERICAN BEAUTY "475" TEMPERATURE REGULATING STAND

Thermostatically controlled soldering iron rest. Maintains soldering iron temperature—even while the iron is connected to current and not in actual use. Eliminates tip burning and necessity for frequent retinning. Plastic body. Has heater cord and plug-in receptacle. For use with irons from 80 to 660 watts input, up to 240 volts, AC only. Stand does not include a soldering iron. Shpg. wt., 2½ lbs.
46 N 658. NET....................5.75

BLONDE TAPE SOLDER

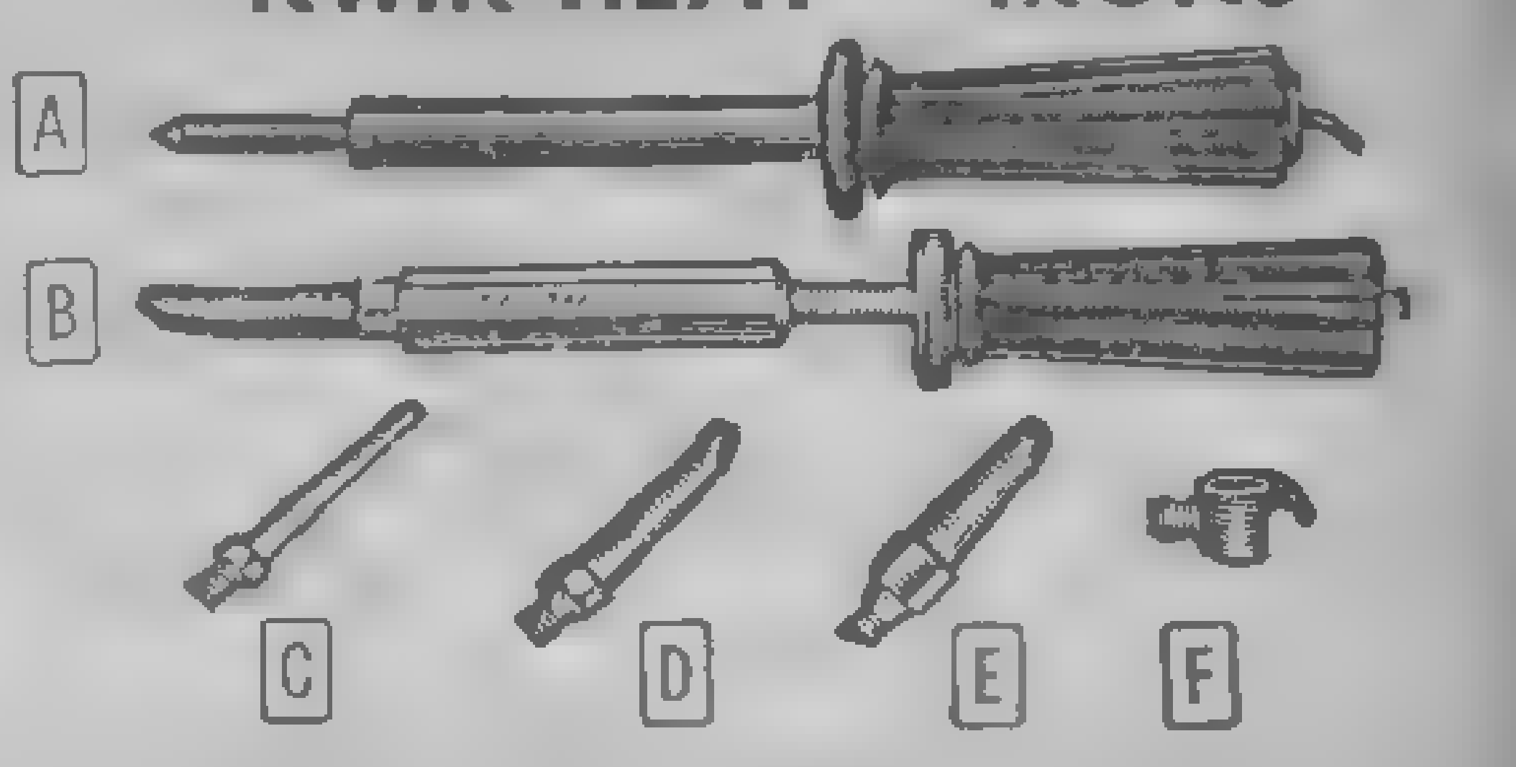
40/60 tin-lead rosin flux tape solder. Tape is wrapped around wires; heat from match or lighter is applied. 28" long—makes 100 connections. Shpg. wt., 2 oz
46 N 979. List, 25c. **NET**..............17c

KORMAT SOLDER DISPENSER



Dispenses all solder sizes from .028" to .074". Easy to load; uses drop-in spool. Lightweight, balanced design. 6¾" long. Less solder. Shpg. wt , ¾ lbs
50 N 459. List, $5.95. **NET**.......4.49

"KWIK-HEAT" IRONS



A MODEL 200 150-W. THERMOSTAT CONTROLLED SOLDERING IRON. Small, lightweight production tool for close tight soldering on electronic components and printed circuits. Designed for production line use. Heats up to full operating temperature within 80 seconds. Built-in thermostat maintains correct temperature, delivering fast power when required or conserving heat during stand-by periods. Core assembly and outer shell are corrosion resistant, stainless steel. Length 12¾". With chisel tip. For operation from 11 125 volts, 60 cycle AC. Shpg. wt., 12 oz.
46 N 634. List, $9.95. **NET**..........6.97
3 or More, EACH....................6.6

B MODEL 300 225-WATT THERMOSTAT-CONTROLLED SOLDERING IRON. As above, but 225 watts for heavy duty use. Heats in 90 seconds. 13" long. With chisel tip. Shpg. wt., 1 lb.
46 N 560. List, $14.95. **NET**.......10.47
3 or More, EACH....................9.

TIPS FOR MODELS 200, 300

*For Model 200. Av. shpg. wt., 5 oz.

Stock No.	Fig.	Description	NE
46 N 561	C	Small taper point	1.2
46 N 562	D	Gradual taper point	1.3
46 N 565	E	Heavy, with chisel tip	1.3
46 N 566	F	Melting pot; holds 1 oz	1.3
46 N 633	...	Chisel point*	.7

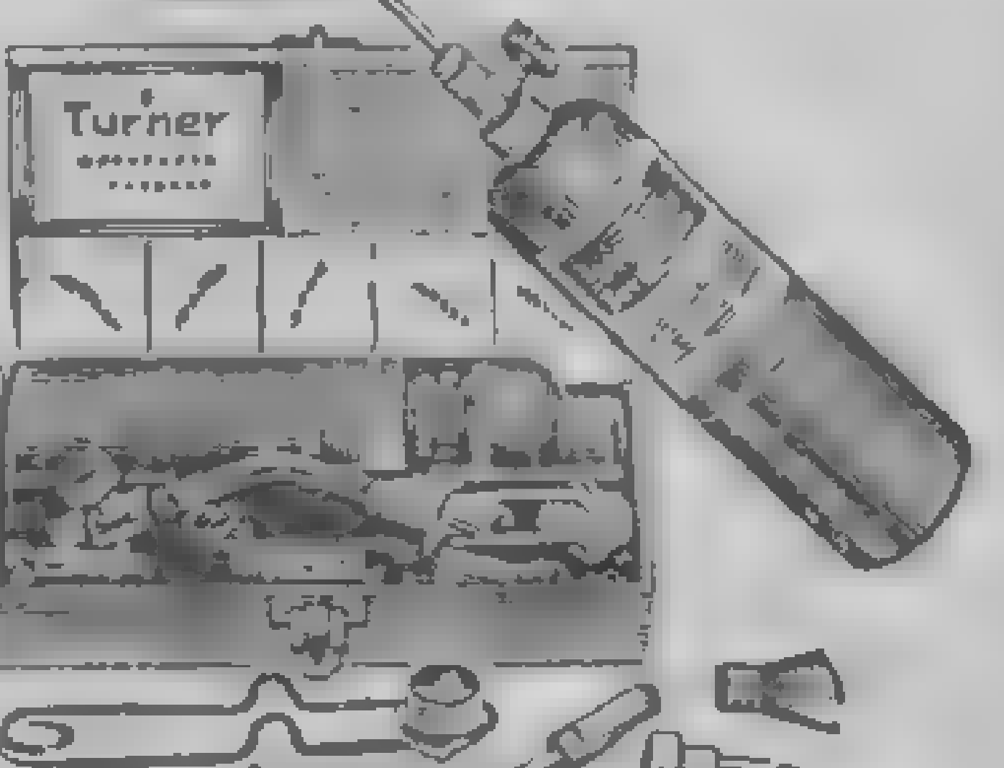
CHEMALLOY FLUXLESS ALUMINUM SOLDER

- For Aluminum, Brass, Copper
- Extremely Strong Joints
- Safe and Easy To Use

Joins aluminum, copper, and brass surfaces without need for metal cleaning or special fluxes. Use heat source like propane torch, hot plate or heavy soldering iron. Metals can be either soldered or welded, depending on application time of heat. Joints can be made stron than the metals themselves. Use 500° solder for thin-gauge metal, 800° for heavy work. Can also be used on coatings, deposits, etc.

Stock No.	Unit	Temp.	Shpg. Wt.	NET EACH
50 N 083	2—2 oz. bars	500°	6 oz.	.59
50 N 314	2—2 oz. bars	600°	6 oz.	.59
50 N 085	2—2 oz. bars	800°	6 oz.	.59
50 N 086	1-lb. bulk	500°	1¼ lbs.	1.39
50 N 087	5-lb. bulk	500°	5¼ lbs.	5.95
50 N 315	1-lb. bulk	800°	1¼ lbs.	1.49

TURNER PROPANE-GAS "TORCH" KIT



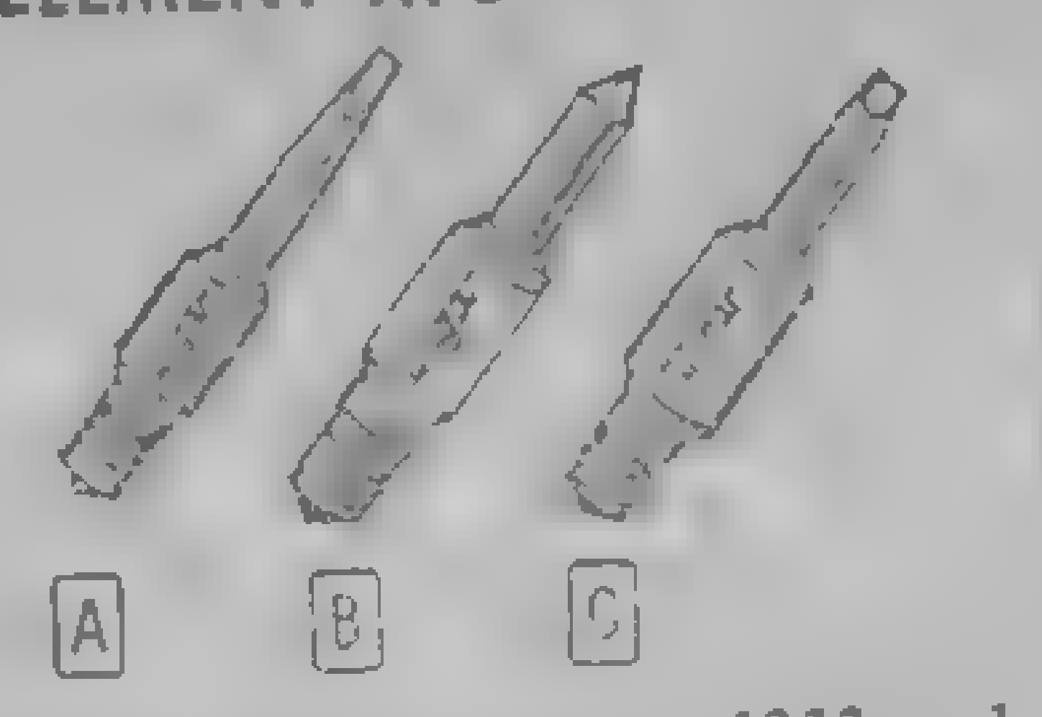
Safe, highly versatile propane torch kit. For light and heavy-duty soldering, heating, and burning. All-bra torch has heavy-duty valve with drag spring on knob for positive control of flame. Provides a hot clean flame. Has pencil point burner for general applications; heavy-duty burner for big jobs. Al brass flame spreader spreads flame to a full inches for paint burning or heating asphalt tile Solid copper chisel point tip screws into brass socket for easy attachment to burner. Supplied complete with tank of fuel and hand spark lighter. In steel storage case, 3x10¾x6". Shpg. wt., 6½ lbs.
50 N 081. List, $9.95. **NET**..........6.65

REPLACEMENT FUEL TANKS. For above torch kit. Shpg. wt., 5 lbs. **2 per package.**
50 N 270. NET PER PACKAGE......2.8

See Complete Solder Listings in This Section

Ungar Soldering Equipment

ELEMENT TIPS



ment-tips ngar 776 le and 2?0 pis- Types 536, 539, 3 have er tips; pes 1236 1239, sil- r-plated on tips; pe 4036, iron-clad copper; Types 4033 and), silver-plated, iron-clad copper. Types 3 and 4033 have a 1 5/16″ long x ¼″ dia tip; pes 1239, 4036 and 4039, 1¼x⅜″; Types 6, 539 and 1236, 1⅛x5⁄16″; Type 533, 1⅛x3⁄16″. L. Approved. For 110-120 v., AC-DC. Av. pg. wt., 2 oz.

23½ WATTS -650-700° F. TIP TEMP.

Stock No.	Mfr's Type	Fig.	Description	NET EACH 1-9	NET EACH 10-Up
N 400	533	A	Long Chisel	98¢	81¢
N 582	536	B	Pyramid		
46 N 585	539	C	Chisel		

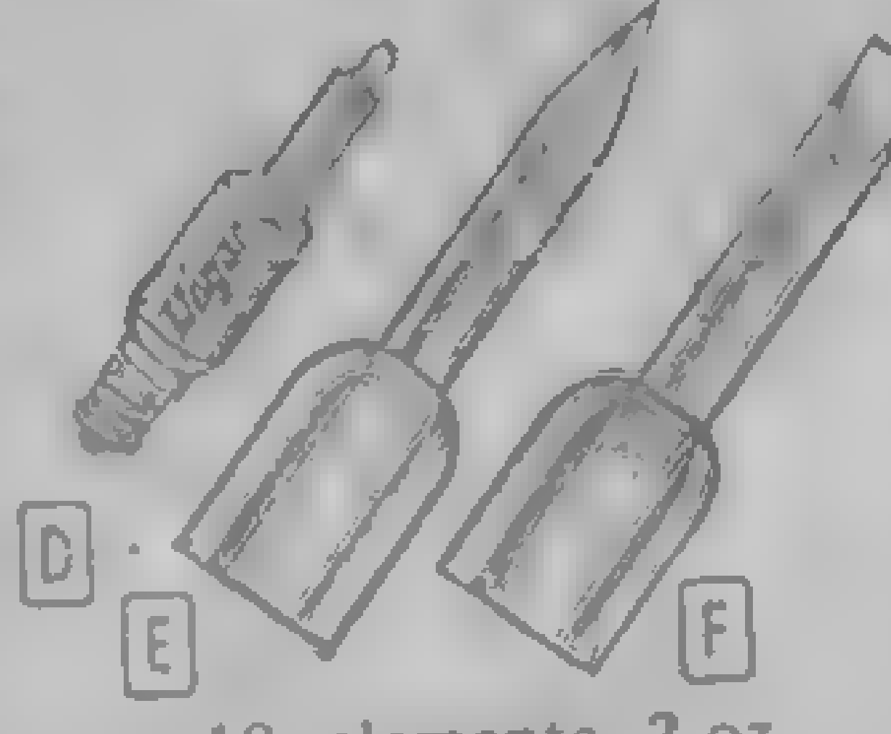
37½ WATTS - 750-800° F. TIP TEMP.

Stock No.	Mfr's Type	Fig.	Description	NET EACH 1-9	NET EACH 10-Up
N 401	1233	A	Long Chisel	1.18	.93
N 592	1236	B	Pyramid		
46 N 593	1239	C	Chisel		

47½ WATTS—850-1000° F. TIP TEMP.

Stock No.	Mfr's Type	Fig.	Description	NET EACH 1-9	NET EACH 10-Up
N 647	4033	A	Long Chisel	2.35	1.95
46 N 648	4036	B	Pyramid		
46 N 649	4039	C	Chisel		

HREAD-ON ELEMENTS, "MINI-TIPS"



or high speed [illegible] soldering. High heat transfer. Element shanks nickel-plated copper. For 110-120 v., AC-DC. U.L. Approved. PL tips nickel-plated copper; others, unplated copper. Av. wt.: tips, 4 oz. per 10; elements, 2 oz.

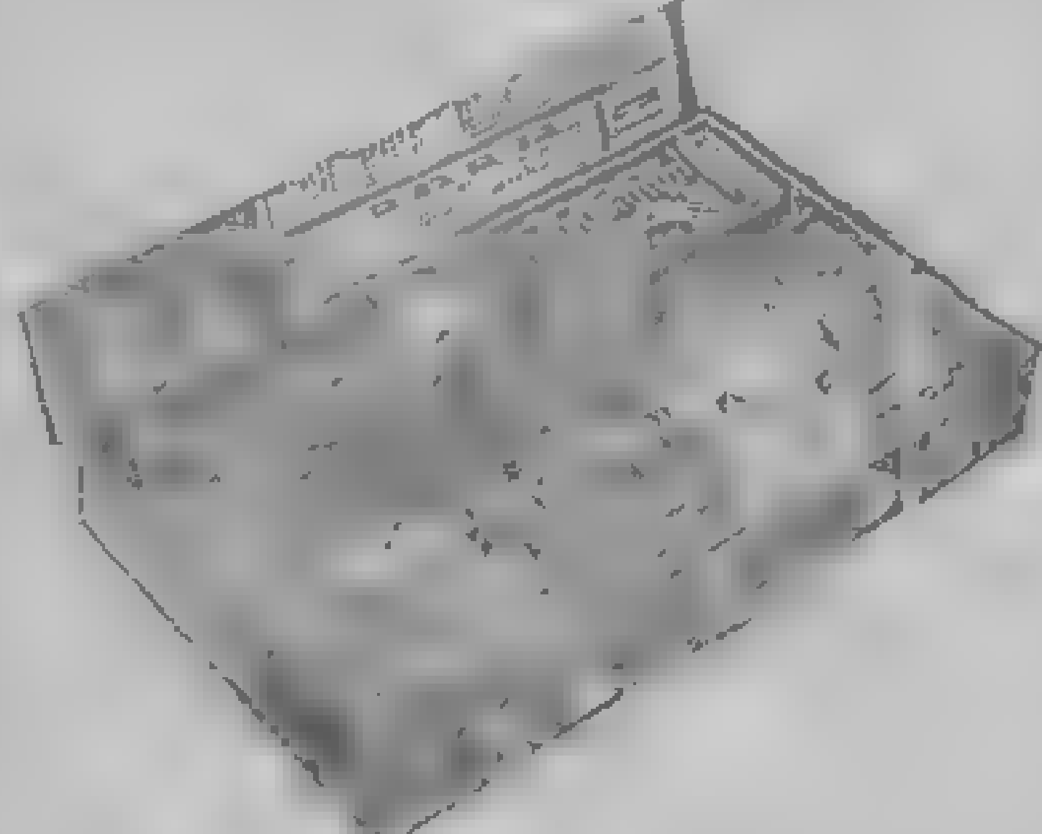
D ELEMENTS

Stock No	Mfr's Type	Tip Temp.	Watts	NET EACH 1-9	NET EACH 10-Up
N 402	1237	750-800°F	37½	1.18	.98
N 403	4037	850-900°F	47½	2.35	1.95

"MINI-TIPS"

Stock No.	Mfr's Type	Fig.	Tip Shape	L. x Dia.	NET EACH 1-9	NET EACH 10-Up
50 N 404	PL111	E	Pencil	¾x⅛″	.59	.49
50 N 405	PL113	F	Chisel		.59	49
50 N 406	111	E	Pencil		.20	.17
50 N 407	113	F	Chisel		.20	.17

250 DELUXE SOLDERING KIT



The Ungar 250 is a top-value, deluxe soldering kit that offers maximum convenience and versatility. This compact combination is perfect for shop use—provides the perfect tip and element for any soldering job. Includes the 776 handle (see above, right) and sixteen different-sized interchangeable tips, element units and tiplets—a quality collection of precision soldering tools. 2x14¾x9″ metal case. For 110-120 v., AC-DC. Shpg. wt., 5 lbs.

50 N 408. 1-5, NET EACH........22.05
6-Up, EACH........................20.00

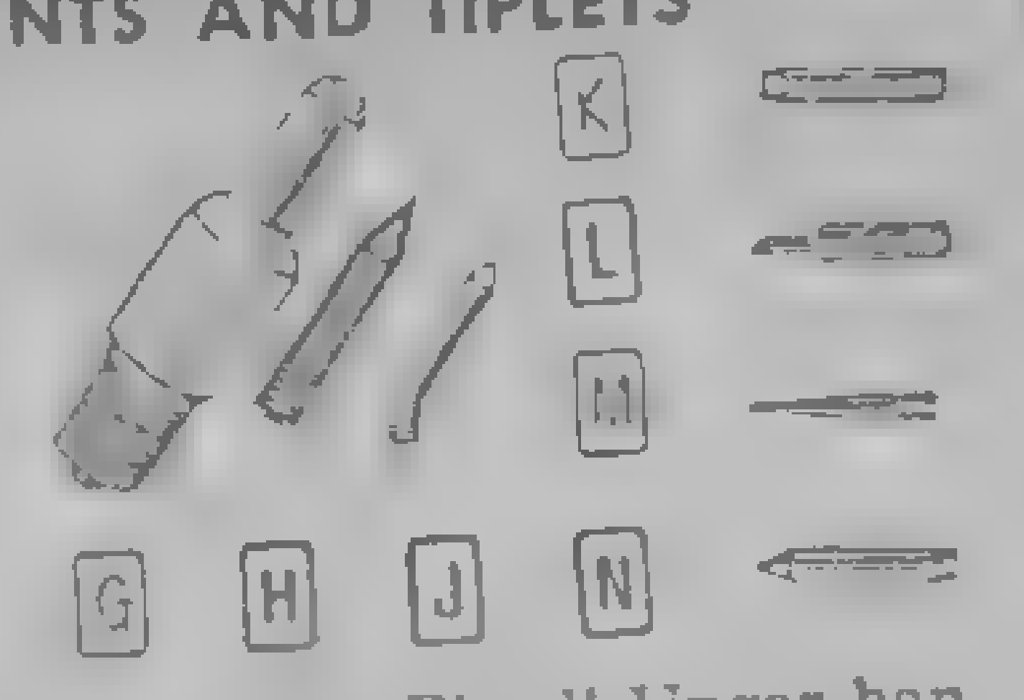
NO. 400 "KLEEN-TIP" KIT

Quick, efficient way to remove oxides and excess solder from tip. Insure better connections and long tip life. Includes special sponge, phenolic tray and bench bracket. Shpg. wt., 1 lb. per 12.

50 N 421. 1-9, NET EACH...........98c
10-Up, EACH..............................81¢

No. 455 Refill Sponges. 1 lb. per 24.
50 N 422. 1-9, NET EACH...........39c
10-Up, EACH..............................33¢

ELEMENTS AND TIPLETS



Element threads into 776 handle (listed at right), soldering tiplet threads into element. Provides easy interchangeability.

G Thread-In Elements. Fit all Ungar handles and 260 Pistol. 1235, 4035 and 4045 have silver-plated steel shanks; 535, a silver-plated iron shank. 535, 1235 and 4035 elements are for 300, PL300 series tiplets below; 4045 for 800 series tiplets, desoldering tiplets below. For 110-120 v. AC-DC. U.L. Approved. 1 oz.

Stock No.	Mfr's Type	Tip Temp.	Watts	NET EACH 1-9	NET EACH 10-Up
46 N 605	535	600-650°F	23½	.98	.81
46 N 609	1235	700-750°F	37½	1.18	.98
46 N 622	4035	800-850°F	47½	2.35	1.95
50 N 105	4045	800-850°F	47½	2.35	1.95

PL300 Series Plated Tiplets. For sub-miniature work. For use with 535, 1235 and 4035 elements above—thread into end. Nickel plated [illegible] copper, [illegible] O.D. Tapered needle has [illegible] point, and micro-needle is 3⁄64″. PL331, PL333, PL33[illegible] have 1″ unthreaded length, PL332, 1¼″; PL340, ⅝″. 2 oz.

Stock No.	Mfr's Type	Fig.	Description	NET EACH 1-9	NET EACH 10-Up
46 N 495	PL331	N	Pencil	47¢	39¢
46 N 496	PL332	J	Offset Pencil		
46 N 497	PL333	K	Chisel		
50 N 101	PL338	M	Tapered Needle		
50 N 409	PL3[illegible]	L	Micro Needle		

300 Series Unplated Tiplets. Same as those of the corresponding type Nos. listed in the PL300 series above, but unplated copper.

Stock No.	Mfr's Type	Fig.	Description	NET EACH 1-9	NET EACH 10-Up
46 N 606	331	N	Pencil	16¢	13¢
46 N 607	332	J	Offset Pencil		
46 N 608	333	K	Chisel		

PL-800 Series Plated Tiplets. For general-purpose work. Use with 4045 element above—thread into end. Nickel-plated iron-clad copper. 3⁄16″ O.D. for high heat transfer. PL823 and PL824 have 1″ unthreaded length; PL833, PL834, 1¾″ unthreaded length. Wt., 2 oz.

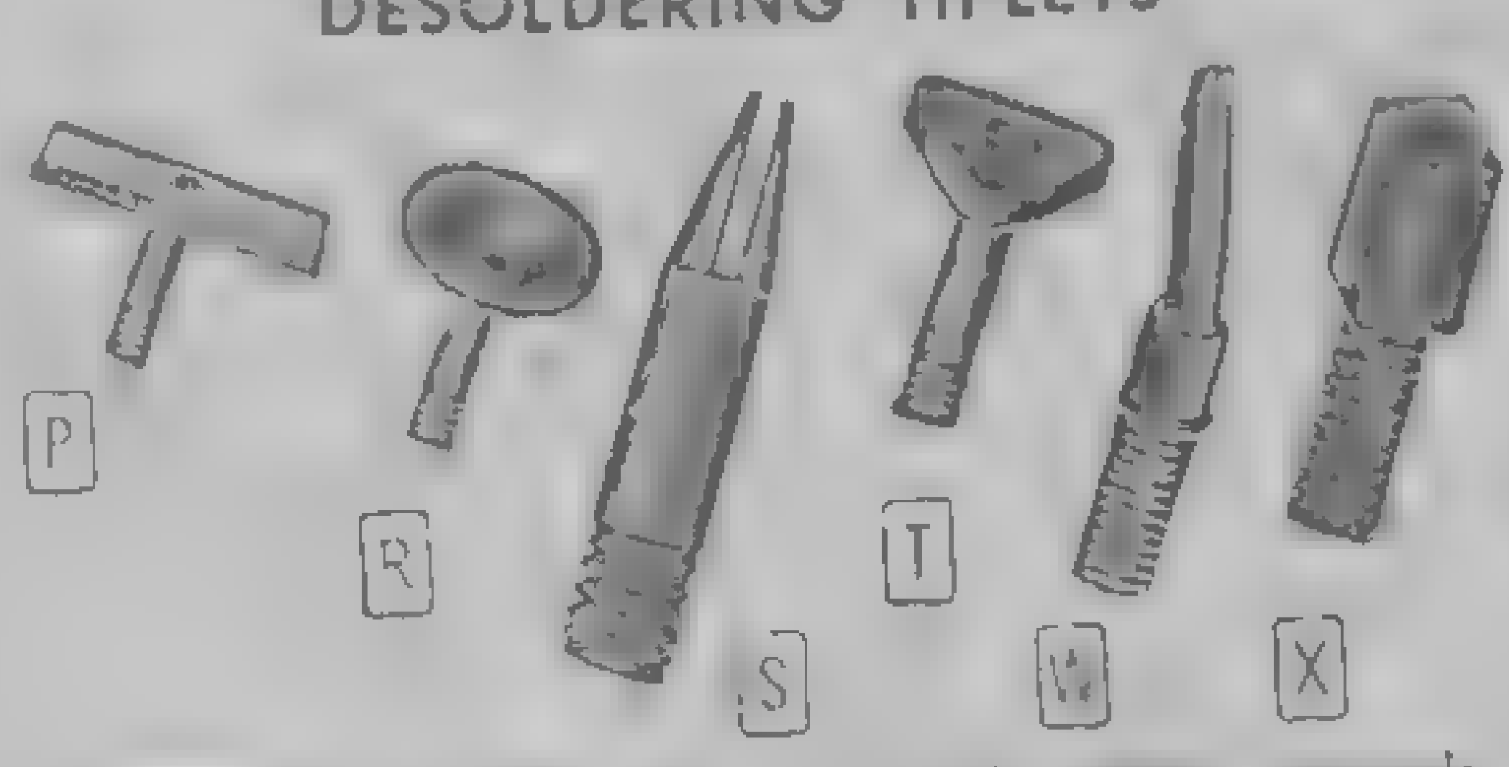
Stock No.	Mfr's Type	Fig.	Description	NET EACH 1-9	NET EACH 10-Up
50 N 410	PL823	H	Pyramid	.47	.39
50 N 411	PL824	K	Chisel	.47	.39
50 N 412	PL833	K	Chisel	.78	.65
50 N 413	PL834	J	Offset Chisel	.78	.65

270 DESOLDERING KIT

Compete kit for quick removal of components from printed circuit boards. 776 handle, (not shown) 4045 element, tiplets shown (listed below). Cups melt solder on tube sockets. Slotted tiplet melts solder and straightens wires and tabs. Bar for straight line melting. 1½x7¾x4⅞″ metal case. Shpg. wt., 1¼ lbs.

50 N 109. 1-5, NET EACH..........5.24
6-Up, EACH 4.76

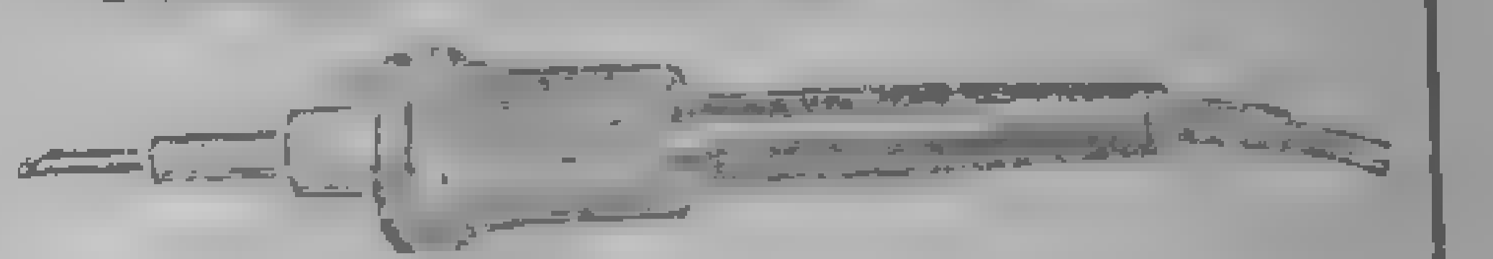
DESOLDERING TIPLETS



Designed for fast, easy printed circuit reworking. Thread into 4045 element. Cup tiplets melt solder on tube sockets—use 854 for 8 and 9-pin, 855 for 7 and 8-pin, 856 for 5-pin. Slotted tiplets melt solder on and straighten tabs and leads—use offset for close-to-board work. Bar is for straight-line melting. Triangle is for electrolytic capacitors. Drilled tube removes center pins of tube sockets and harness leads. Av. shpg. wt., 1 lb. per 10.

Stock No.	Mfr's Type	Fig.	Description	NET EACH 1-9	NET EACH 10-Up
50 N 414	854	R	1″ Cup	59¢	49¢
50 N 415	855	R	¾″ Cup		
50 N 416	856	R	⅝″ Cup		
50 N 108	857	S	Slotted		
50 N 417	858	P	Bar	59¢	49¢
50 N 418	861	T	Triangle		
50 N 419	862	W	Offset Slotted		
50 N 420	863	X	Drilled Tube		

COMPLETE SOLDERING PENCILS

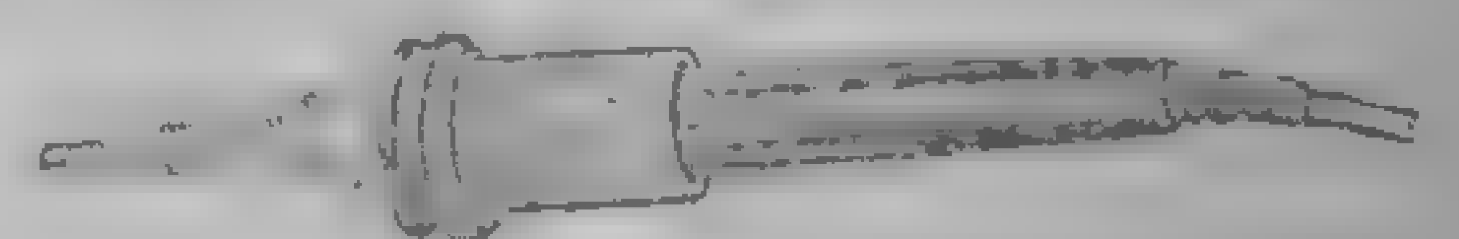


- Include 776 Handle & Tip
- Ideal for Printed Circuits
- Handle Accepts All Ungar Elements and Element Tip Units

Here are three complete, compact soldering irons suitable for general purpose work, printed circuitry, miniature and sub-miniature systems. Each is a combination of the redesigned 776 handle listed below and one of the element-tip units listed at left. Handle can also be used with any of the other elements and element-tip units on this page. The 23½-watt 536 delivers 650-700° F. to a copper pyramid tip. The 37½-watt 1236 element-tip, also pyramidal, delivers 750-800° F.—tip is of silver-plated solid iron. The 4033 is an 850-1000° F., 47½-watt element-tip with silver-plated iron-clad copper chisel tip (long taper). U.L. Approved. For 110-120 v. AC-DC. Av. shpg. wt., 6 oz.

Stock No.	Description	NET EACH 1-9	NET EACH 10-Up
50 N 302	Has 536 Element-Tip	2.16	1.79
50 N 303	Has 1236 Element-Tip	2.35	1.96
50 N 305	Has 4033 Element-Tip	3.53	2.93

TYPE 776 CORD AND HANDLE



New, improved 776 handle for exacting industrial soldering requirements. Wide selection of easily changed thread-in element units and tiplets make the 776 unique in its versatility for printed circuitry, miniature and sub-miniature systems. Durable, fatigue-free, lightweight and extremely cool—perfect for continuous use on the production line. Low initial cost, high durability and simple maintenance—an extremely economical choice.

Spring socket holds element unit solidly in place—assures full electrical contact. Internal ceramic and glass insulator for lowered handle temperature. Has stainless steel heat deflector. "Soft-Touch" cork grip, cord protector and thermo-stabilized phenolic housing. Equipped with 6-ft. polyvinyl cord. 5″ overall length. U.L. Approved. Less tip and element (see listings at left). Shpg. wt., 4 oz.

50 N 304. 1-9, NET EACH 1.18
10-Up, EACH....... 98¢

NEW SOLDERING IRON HOLDER

Type 8000. Cleverly designed soldering iron holder that will make all soldering jobs safer and more efficient. Special guard protects operator against "hot tip" burns. This versatile holder can be fastened to the top or side of a bench, to a wall, or even to the underside of a bench. Angle is adjustable so that iron may be best positioned for maximum convenience and instant reach. Shpg. wt., 8 oz.

47 N 024. NET.......................1.57

ANTI-SEIZE COMPOUND

Type 8001. Special lubricant for use on soldering tip threads. Prolongs life of tips and heating units by reducing seizure and corrosion. An extremely valuable soldering aid that quickly pays for itself. 2 oz. can. Shpg. wt., 3 oz.

47 N 025. NET EACH 54c

ORDER YOUR TOOLS ON ALLIED'S EASY PAYMENT PLAN

Include Them On Any Order Totaling $20.00 or More

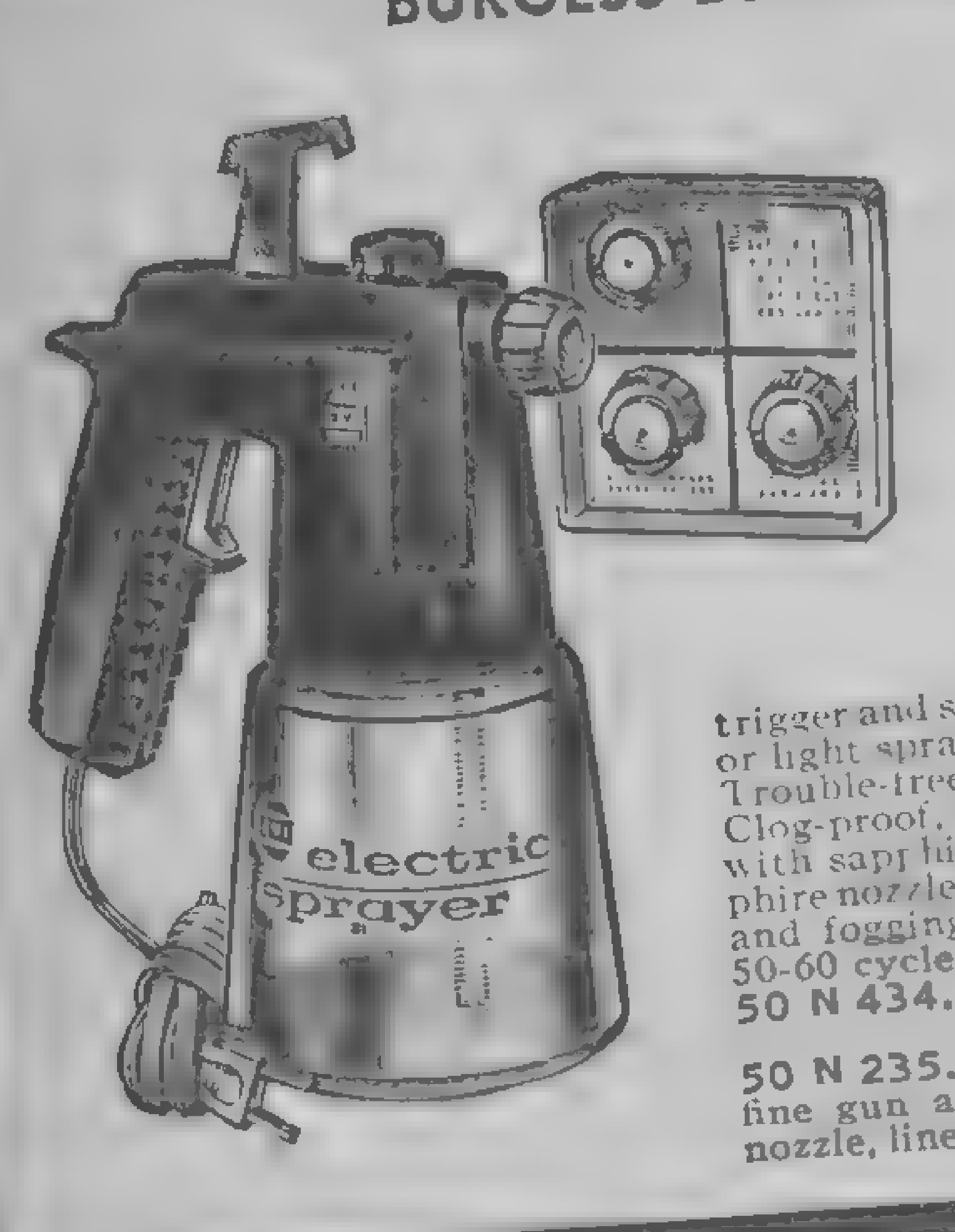
See Page 436 For Full Information

Selected Tools and Solders

NEW!

BURGESS DELUXE ELECTRIC SPRAYER KIT

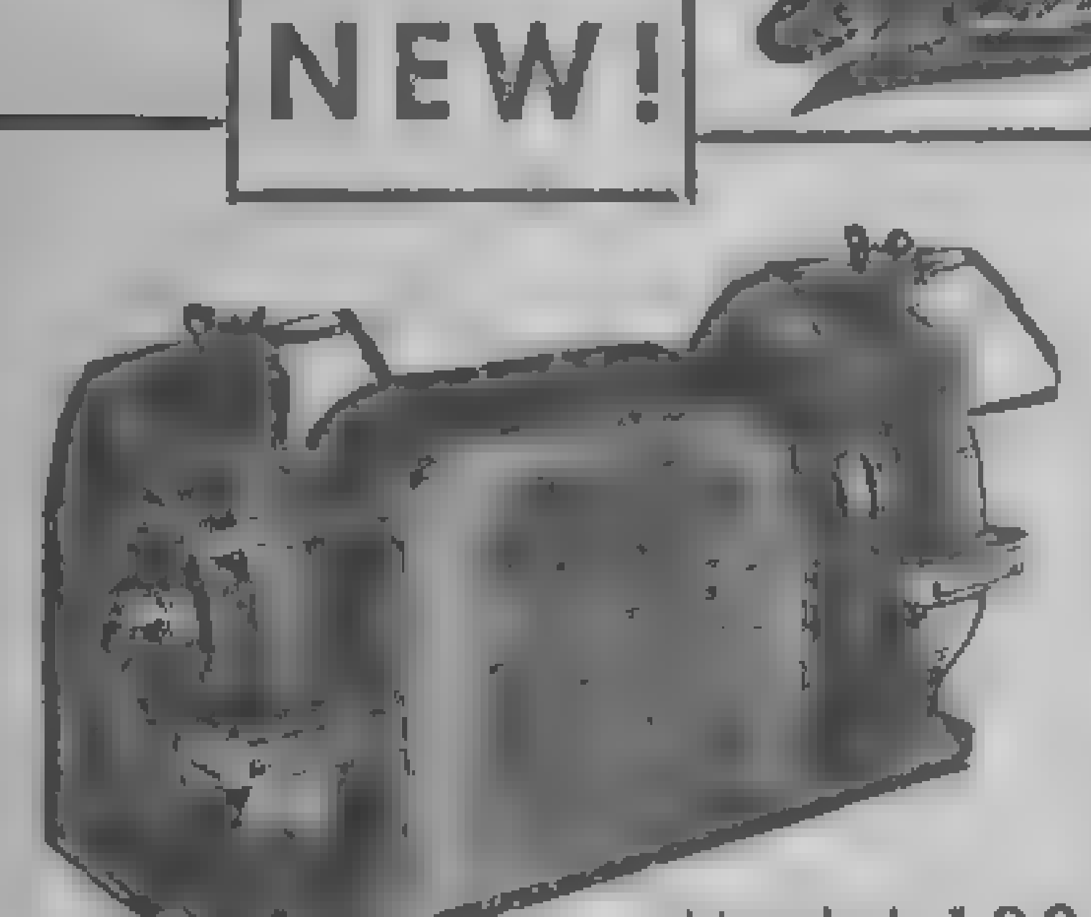
- Sprays Paints, Insecticides, Most Other Liquids
- 4 Precision Sapphire Nozzles
- Complete, Ready to Use

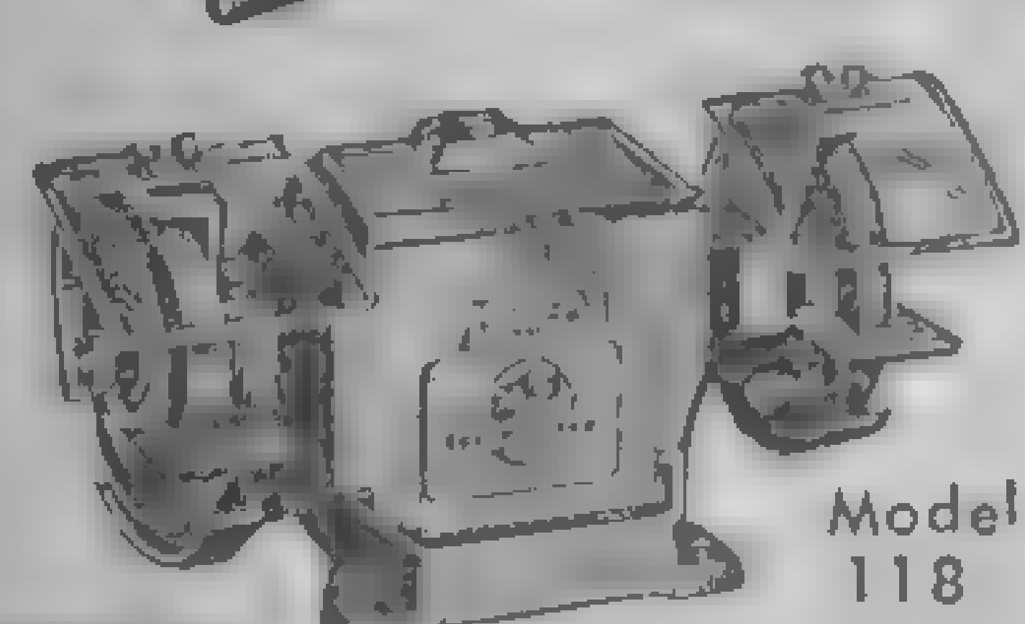


Model VS-820. Does 1000 spraying jobs in shop, home and garden. Much faster and easier than brush-painting—for cabinets, walls, fences, screens, car fenders, etc. Ideal for insecticides, weed killers, plant foods. Fine mothproofing sprayer for rugs, clothing, upholstery. Ready for use—plug in, pull trigger and spray. Handy knob lets you "dial" heavy or light spray opening. Graduated 24-oz. container. Trouble-free mechanism sealed in shockproof head. Clog-proof, easy to clean. Consists of: spray gun with sapphire general-painting nozzle; 3 extra sapphire nozzles in plastic case (all-purpose; large-areas; and fogging); storage case; line cord. 110-120 v., 50-60 cycle AC. Shpg. wt., 4½ lbs.
50 N 434. List, $17.95. **NET**..............11.97

50 N 235. Model VS-800 Spray Gun Only. Same fine gun as in above kit. With 24-oz. container, nozzle, line cord. Shpg. wt., 3½ lbs. **NET**.....8.63

NEW!


Model 128


Model 118

HIGH-QUALITY "SPEEDGRINDERS"

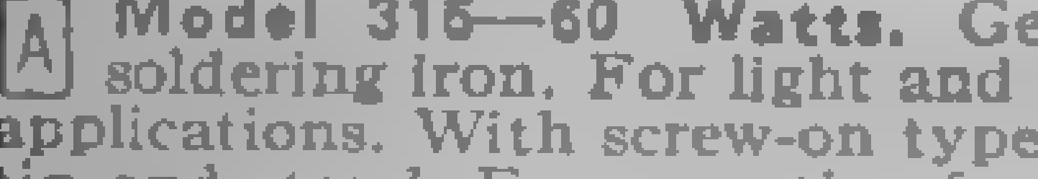
MODEL 128 ⅓-HP GRINDER

Highly efficient Deluxe "SpeedGrinder," for all heavy grinding jobs around the shop, garage, home and farm. Lightweight, portable cast-aluminum body has rubber feet—can be used anywhere without marring bench or tabletop work surface. 2 grinding wheels included (46 grit and 75 grit). Industrially rated ¼-hp motor has 3450-rpm no-load speed. Smooth-operating, self-aligning bearings need no oil. Includes adjustable tool rests with angle guides; eye shields; 7-foot, 3-cond. cord; 2 wheels, 6x¾", with ½" holes. Length, 16". U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 24 lbs.
50 NX 488. NET........................22.98

MODEL 118 "SPEEDGRINDER"

Bench-type power grinder for the small shop, garage, or home workshop. Widely used by model makers, hobbyists, schools, etc. Designed for medium or light work loads. Light in weight for easy portability. Comes complete with 2 grinding wheels, 1—40 grit and 1—70 grit. Wheels are 4½x⅜" with ⅜" center hole. Dependable motor provides 3450 rpm, no-load speed. In cast aluminum body with parts tray, water cooling tray, tool rests and eye shields. With 6-ft. cord. Length, 9¼". For 110-120 v., 60 cycle AC. Shpg. wt., 9 lbs.
50 NX 321. List, $19.95. **NET**.............. 14.00

SHOPMATE SOLDERING IRONS—TIPS—CONTROLS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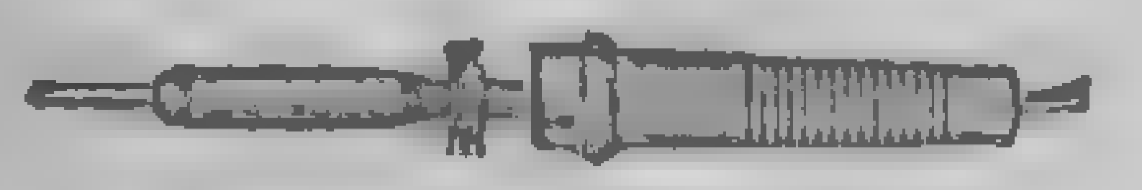
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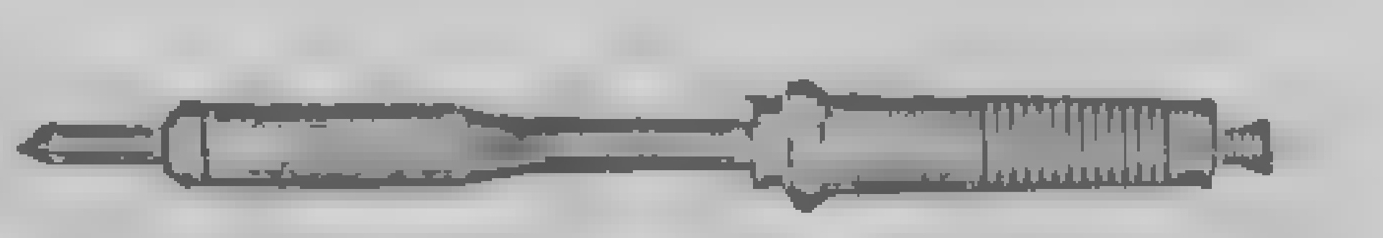

D

ECONOMY MODELS

A **Model 5A—40 Watts.** Low-cost, light-duty soldering iron. Length, 10". With 5/16" screw-on pencil tip and stand. For 110-120 volts, AC-DC operation. Shpg. wt., 10 oz.
46 N 505. List, $2.00. **NET**...........1.33

A **Model 315—60 Watts.** General-purpose soldering iron. For light and medium-duty applications. With screw-on type ⅜" pyramid tip and stand. For operation from 110-120 v., AC-DC. Shpg. wt., 12 oz.
46 N 521. List, $2.80. **NET**...........1.87

MODEL 400 INDUSTRIAL—60 WATTS

B Small, continuous-duty 60-watt iron for close work. Only 9" long, with ¼" tip. Baffle plates radiate heat away from handle. Supplied complete with 6-ft. heater cord, rubber plug and stand. For operation from 110-120 v., AC-DC. Shpg. wt., 14 oz.
46 N 538. List, $6.00. **NET**..........4.00

MODEL 360 "PEE-WEE"—35 WATTS

C 35-watt iron for delicate work. Supplied with 3/16" pyramid tip and stand. Heat radiating baffles. 7½" long. Designed to fit tool kit. For operation from 110-120 volts, AC-DC. Shpg. wt., 8 oz.
46 N 532. List, $4.75. **NET**...........3.17

MODEL 325 STANDARD—100 WATTS

D General-purpose soldering iron. Overall length, 13". ⅜" adjustable pyramid tip. Supplied with stand. For operation from 110-120 v., AC or DC. Shpg. wt., 1¼ lbs.
46 N 523. List, $6.50. **NET**..........4.33

REPLACEMENT TIPS

Copper tips. *Indicates set of two tips.

Stock No.	Description	Oz.	For Iron	NET
46 N 535	⅜" pyramid	6	225, 325, 326, 625	.50
46 N 514	⅜" pyramid	6	315	.60
46 N 533	3/16" pyramid*	2	360	.20
46 N 513	¼" pyramid	2	400	.33
46 N 547	⅛" straight pencil*	2	350	.17
46 N 548	⅛" 45° pencil*	2	350	.17

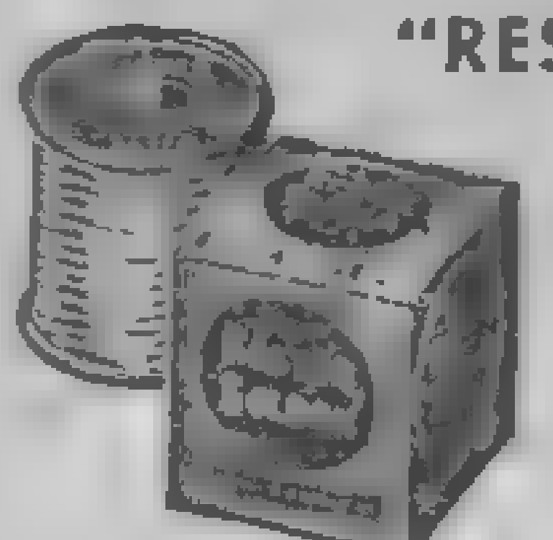
TEMPERATURE CONTROLS

Accurate controls for keeping iron temperature constant for delicate soldering. Variable from 300 to 600° F. For 110-120 v., AC or DC.

Stock No.	Model	For Iron	Oz.	List	NET
50 N 221	40	40-watt	12	$8.00	4.80
50 N 222	60	60-watt	12	$9.00	5.40

KESTER SOLDERS

"RESIN FIVE" CORE SOLDE



Features "Resin-5" ac vated flux core. Ncn-co sive and non-conducti Does perfect job on metals, including zinc nickel-plate. Makes sold ing easier, faster, clear 40% tin, 60% lead exce *60% tin, 40% lead. The 60/40 1/16"-dia. typ also excellent for copper-etched printed circu Spools, except †handy 3-oz. coil.

Stock No.	Size	Spool Wt.	Shpg. Wt.	N
50 N 310	3/32"	5 lbs.*	5¼ lbs.	7.2
46 N 916	3/32"	1 lb.	1¼ lbs.	1.1
46 N 900	1/16"	3 oz.†	½ lb.	.1
50 N 311	1/16"	5 lbs.*	5¼ lbs.	7.3

Printed-Circuit Solder—60/40 Type. Co pounded of 60% tin, 40% lead. For coppe etched printed circuits. 1/16" dia.
46 N 926. 1-lb. Spool. 1¾ lbs. **NET**...1.5

ROSIN-CORE SOLDER

Plastic rosin-filled thin solder. Flux filling fi easily for neater and quicker soldering. solder is recommended for general-purp radio-TV and electrical work; 1/16" for delicate work. All units are 40% tin and 6 lead, except *50-50.

Stock No.	Size	Spool Wt.	Shpg. Wt.	N
46 N 901	3/32"	1 lb.	1¼ lbs.	1.1
46 N 902	3/32"	5 lbs.	5¼ lbs.	5.3
46 N 930	1/16"	1 lb.	1¼ lbs.	1.1
46 N 931	1/16"	5 lbs.	5¼ lbs.	5.5
46 N 919	1/16"	1 lb.*	1¼ lbs.	1.3
46 N 939	1/16"	5 lbs.*	5¼ lbs.	6.5

ACID-CORE SOLDER

Acid-core solder for all general soldering ot than electrical connections. ⅛" dia. Acid saves time; makes a lasting jcb. Contains 40 tin and 60% lead.
46 N 905. Handy Coil. 3 oz. **NET**......17
46 N 906. 1-lb. Spool. 1¾ lbs. **NET**...1.1

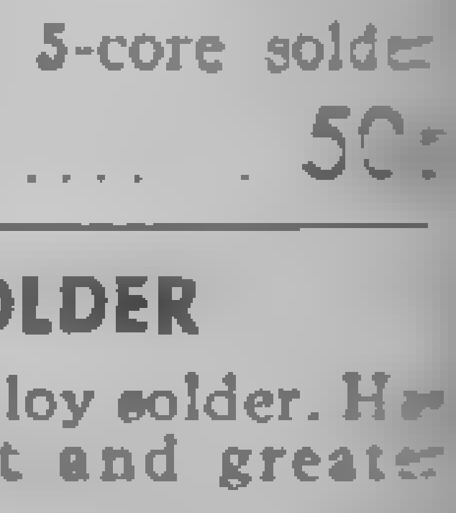
SOLDERING PASTE

Gives fine, even distribution of fluxing ing dients. For easier, non-corrosive soldering. 2 c cans. Shpg. wt., 5 oz.
46 N 915. 10-Up, EA. 10½¢. **1-9, EA.**...12

KESTER TINNING BLOCK

Cleans and tins soldering irons quickly. Replac sal ammoniac. Will not crumble or cause a corrosion. Shpg. wt., 1¼ lbs
46 N 922. NET......................65

ERSIN MULTICORE SOLDER



5-core solder for high-speed, precision soldering. Melts rapidly with less heat. Pure tin, lead, and non-corrosive Ersin flux. 40% tin, 60% lead. In 14-gauge (.080"), 16-gauge (.064"), and 18-gauge (.048") 1-lb. spools. Manufactured in England, used internationall Shpg. wt., per spool 1½ lbs.

Stock No.	Gauge	NET PER SPOOL	
		1-27	28-Up
46 N 995	14	1.41	1.17
46 N 991	16	1.43	1.19
50 N 313	18	1.47	1.22

Service Pak. 18-gauge, 60/40 5-core sold Shpg. wt., 12 oz.
46 N 997. NET.................. 50

ERSIN "SAVBIT" SOLDER

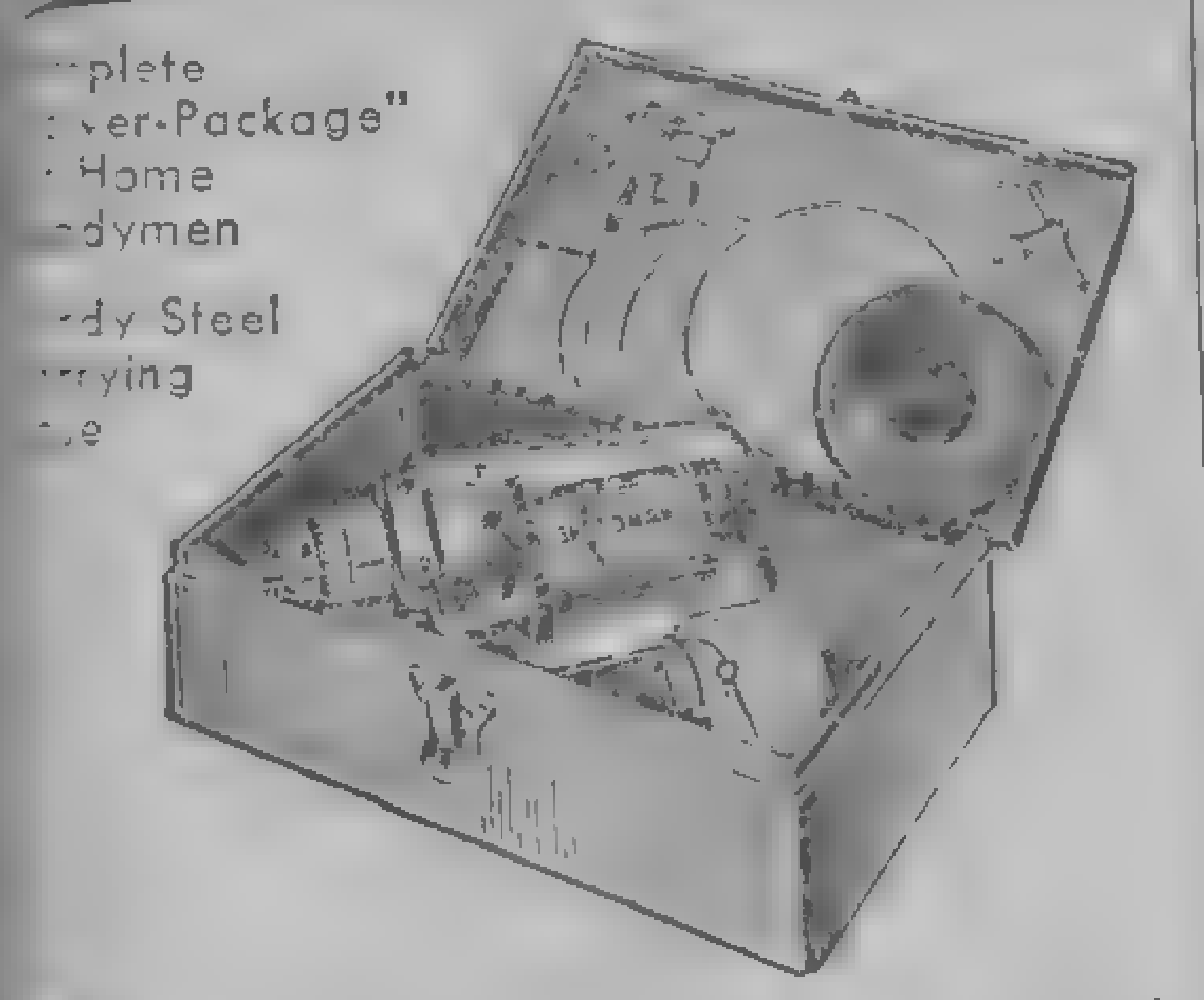
High-strength copper-tin-lead alloy solder. H virtually same melting point and greate strength than tin-lead alloys.

Stock No.	Gauge	Spool Wt.	Shpg. Wt.	NET
50 N 121	14	1 lb.	1¾ lbs.	1.7
50 N 122	14	7 lbs.	8½ lbs.	11.97
50 N 123	16	1 lb.	1¾ lbs.	1.77
50 N 124	16	7 lbs.	8½ lbs.	12.1
47 N 056	18	1 lb.	1¾ lbs.	1.6
47 N 057	22	1 lb.	1¾ lbs.	2.0

G-C SOLDERING AID TOOL

G-C 9088 Soldering Aid Tool. A "must" f faster, easier soldering. One end has a stiff w brush for cleaning wire and terminals bef soldering; other end is specially shaped to ho wires securely during soldering. Solder will stick to chrome-tipped, probe end of too Especially handy for printed circuit repa neat solder connections, etc. Overall length, Shpg. wt., 4 oz
42 N 001. NET..................... 9

Thor 20UK ¼" DRILL KIT



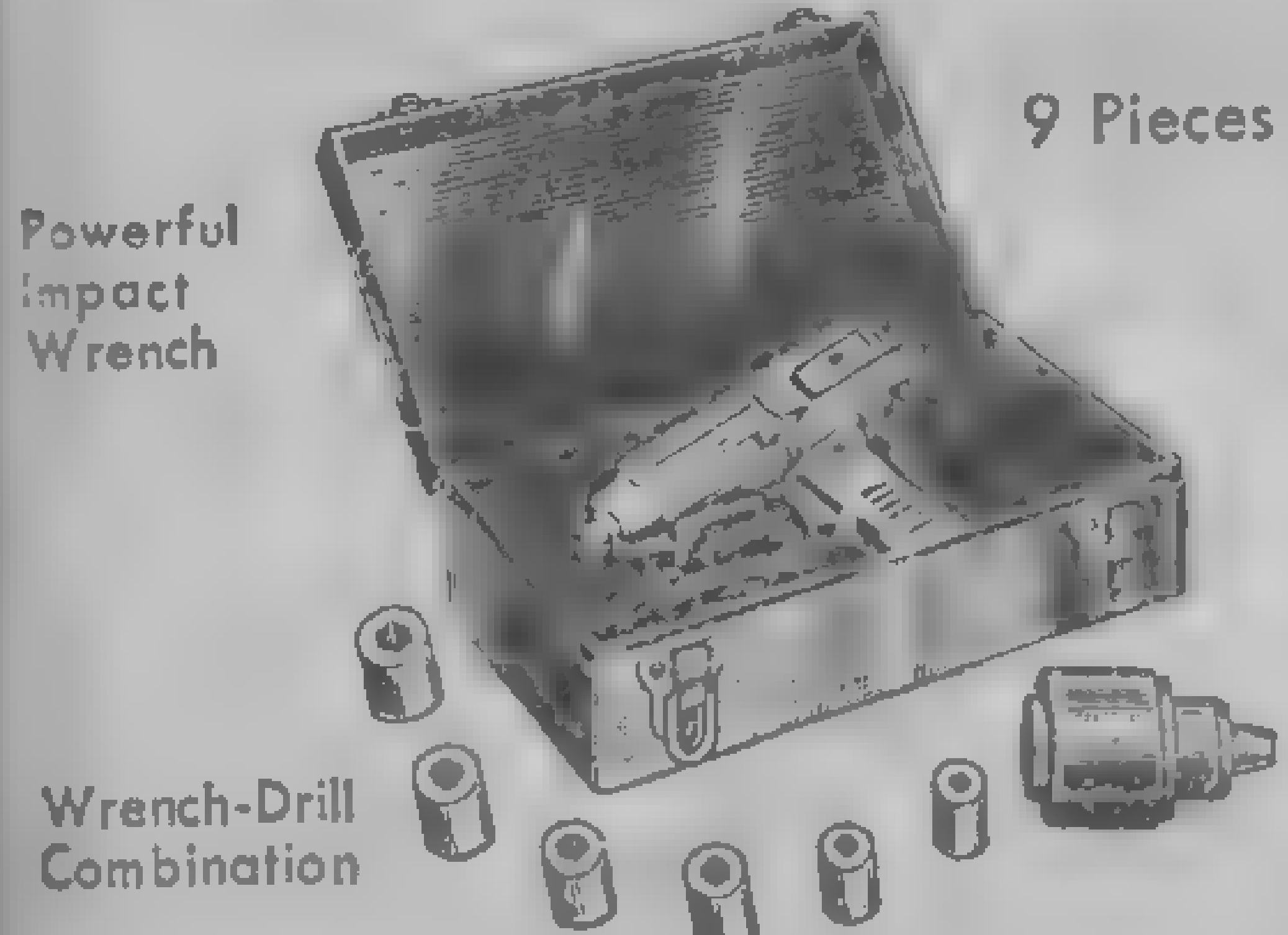
ficient, economy drill kit. Ideally suited the requirements of the home handyman, bbyist and others requiring the use of a pendable electric drill. Consists of a power- l ¼" drill, accessories and a sturdy, steel rrying and storage case.

No. 20 drill, with powerful 2.5-amp motor, rovides ample power for all drill accessories d attachments. Geared chuck with key sures firm, non-slip grip on drill bits and cessories. Can be used as an efficient sand-, polisher and buffer, as well as a powerful rill—ideal for do-it-yourself jobs.

Kit includes: No. 20 drill; 9 assorted drill bits; 4½" wool polishing bonnet; 4" rubber backer plate; 10 sanding discs; all necessary adapters and flanges; steel carrying case. Case size, 10⅝x6¾x3⅝". For 110-120 volts AC. Shpg. wt., 9 lbs.

50 NX 323. List, $20.95. NET.....14.35

THOR 60 IMPACT WRENCH-DRILL

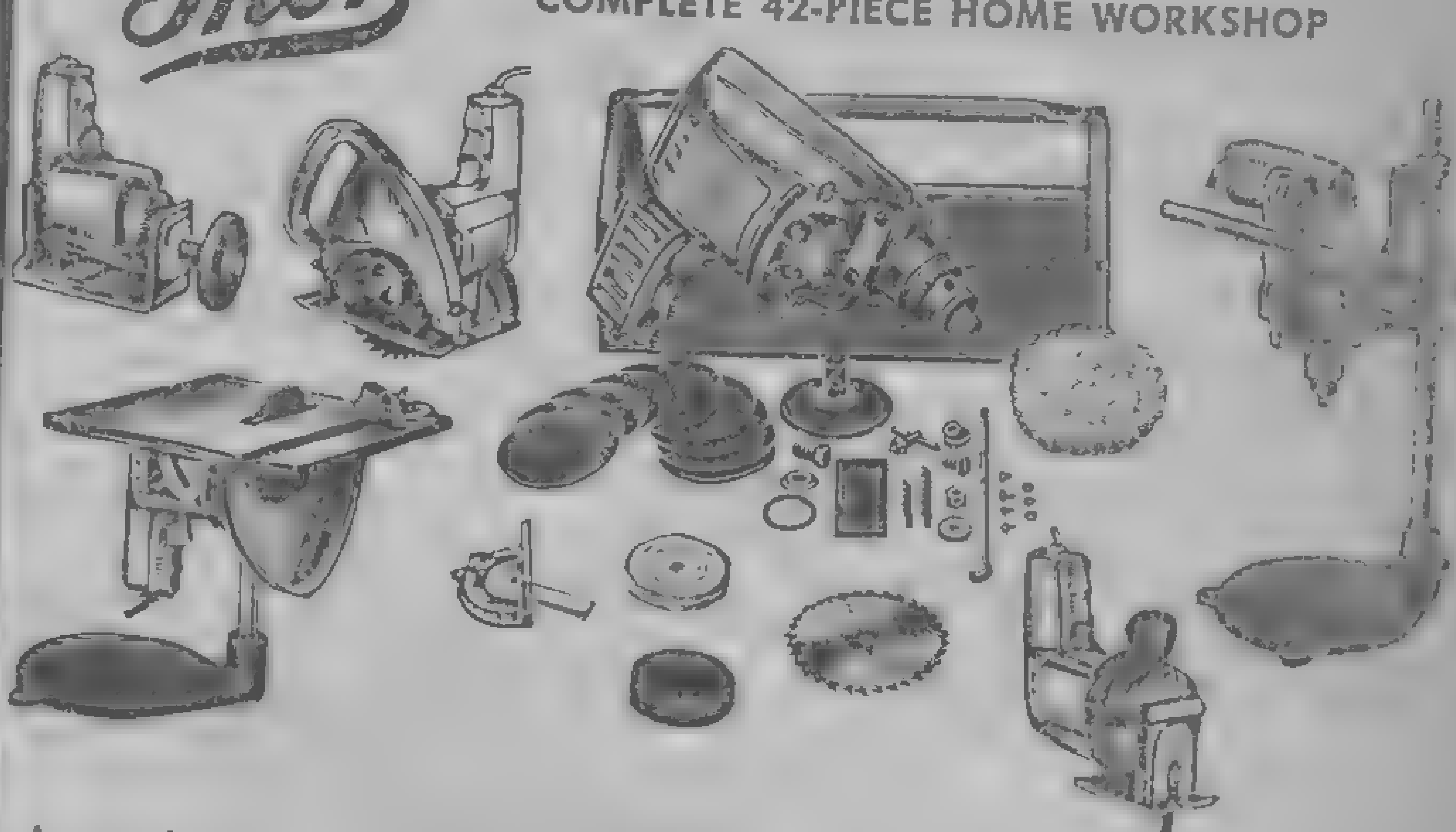


Powerful impact wrench-drill combination tool. Supplied with 6 most commonly used nut-driver sockets; 3-jaw, impact-type ½" chuck; steel carrying case. As impact wrench, is perfect for assembly work or machinery repair and maintenance. Couples directly to nut-driver sockets—providing powerful torque. By use of sturdy impact chuck, wrench is easily converted to ½" drill. Can be used with attachments to do work of screwdriver, polisher, sander, hole saw, etc. With 3-cond., 10' cord. Case size, 10½x11¾x16¼". For 110-120 v., AC or DC. Wt., 21 lbs. *$5 Down.*

50 NU 018. List, $89.50. NET....66.82

Thor "SUPER" ¼" DRILL KIT

COMPLETE 42-PIECE HOME WORKSHOP



A complete home workshop consisting of a powerful drill and all the attachments you need for hundreds of do-it-yourself projects. Handles almost any home craftsman job—sawing, grinding, drilling, sanding, buffing, paint mixing, polishing, etc. Kit contains: Thor No. 20 power drill; 9 drill bits; sturdy drill stand; circular saw and jigsaw attachments; steel saw table; 10 sanding discs; grinding wheel; wool polishing bonnet; cloth buff; rubber backing pad; 6-piece arbor set; paint stirring tool; steel post for use between saw table and bench; rugged steel tool box.

Ideal Set for Shop, Home and Farm
Sands, Polishes
Saws, Buffs, Mixes
Grinds, Drills

Powerful Model 20 drill has self-aligning oilite bearings to assure smooth operation even under full load. Heavy-duty 2.5-amp motor, for continuous operation without overheating. All-steel, gear-type chuck takes drill shanks to ¼" dia. Momentary-contact trigger switch has locking pin—locks drill in excellent balance. No load speed, 2400 rpm; full load, 1500 rpm. Drill 7" long. U.L. Approved. For 110-120 volts AC. Shpg. wt., 20 lbs. *$2 Down.*

50 NX 297. List, $54.95. NET...............31.99

Dormeyer DK-6 ¼" DELUXE DRILL KIT

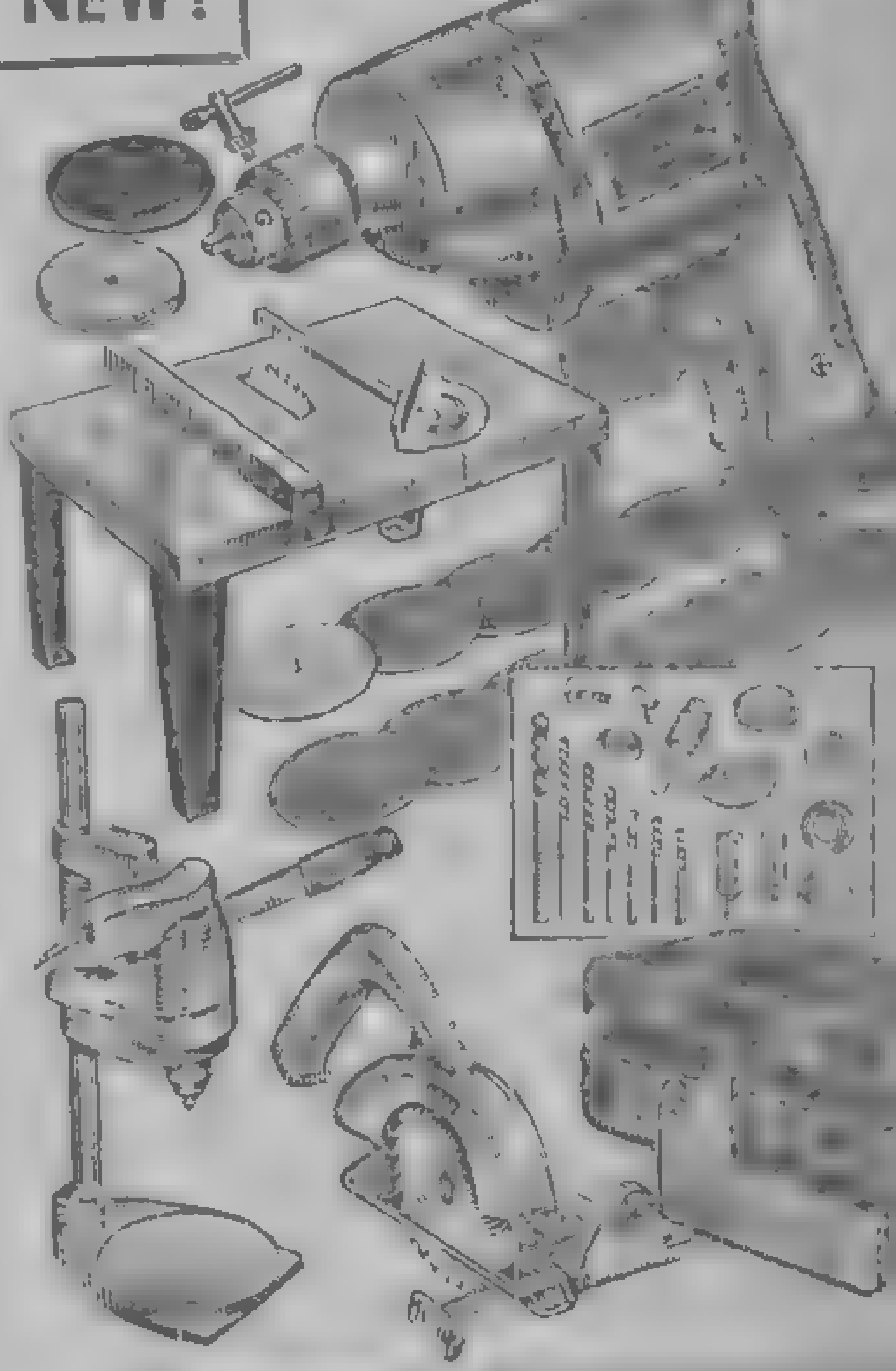
HOME WORKSHOP SET

NEW!

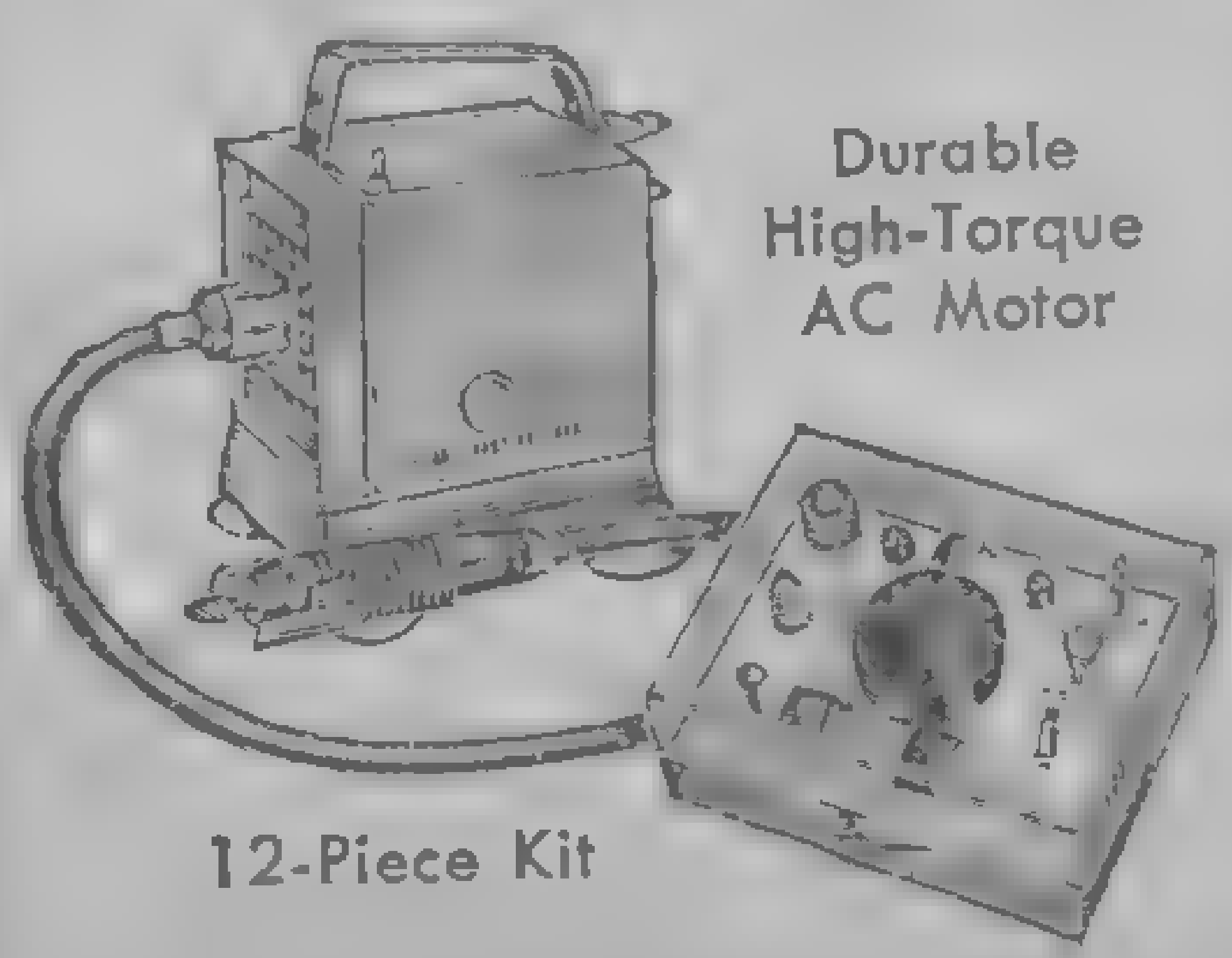
Highly versatile home workshop. Drills, saws, polishes, grinds, sands, buffs, etc. Includes: Model SD-3, ¼" drill; vertical drill stand; horizontal drill stand; portable saw attachment with rip fence and saw blade; saw table; 12 sanding discs; sandpaper pattern; buffing wheel; 7 drill bits; 6-pc. arbor set; 5-pc. saw attachment mounting assembly; steel carrying case.

Smooth-running 2.6-amp motor has self-lubricating bearings. Steel-geared chuck securely grips drill bits and attachments. Built-in switch locks drill on—releases instantly. Comfortable pistol grip for easy handling. No-load speed, 2200 rpm. U.L. Approved. For 110-120 v., AC or DC. Shpg. wt., 23 lbs. *$2 Down.*

45 NU 227. NET...............36.97



DREMEL MODEL 60 "FLEX-O-TOOL" POWER UNIT



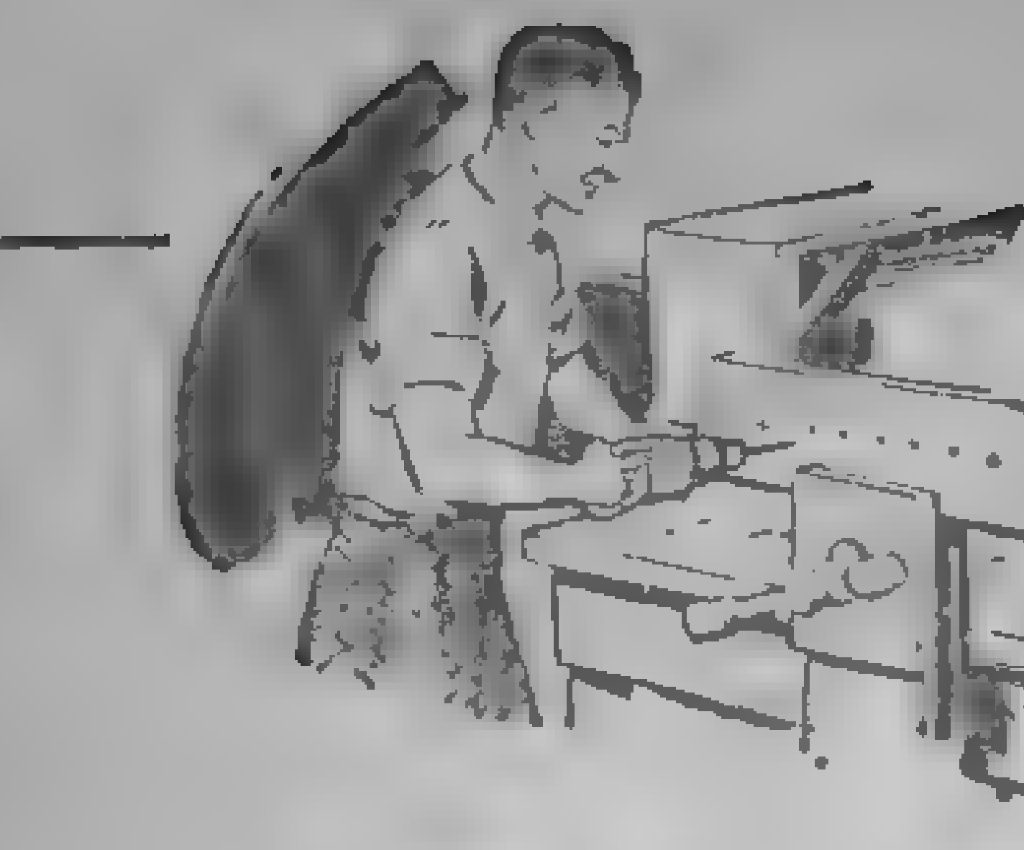
Powerful, portable motor with 36" flexible shaft for driving, grinding, drilling, sanding, engraving, polishing tools. Ideal for shop, home, farm or lab. Plastic handpiece has steel grip for close detail work. 3450-rpm motor in carrying case, with rubber suction feet. With extra collet and instructions. For 110-120 v., 50-60 cycle AC. Shpg. wt., 6½ lbs.

45 N 237. List, $34.50. NET.....23.00

Model 574 12-Piece Tool Kit. For above. Includes: 1 steel cutter, 1 twist drill, 2 wheel points, 2 brushes, 1 sander, 3 sander bands, 2 collets. Plastic box. 2 lbs.

45 N 234. List, $5.15. NET........3.49

USE ALLIED'S
EASY PAY PLAN
SEE PAGE



Thor Power Drills

OUR TOP VALUE IN A
2.5 Amp FULL POWER
¼″ DRILL
Model 20 Budget Drill

Aluminum Housing

Polished Finish

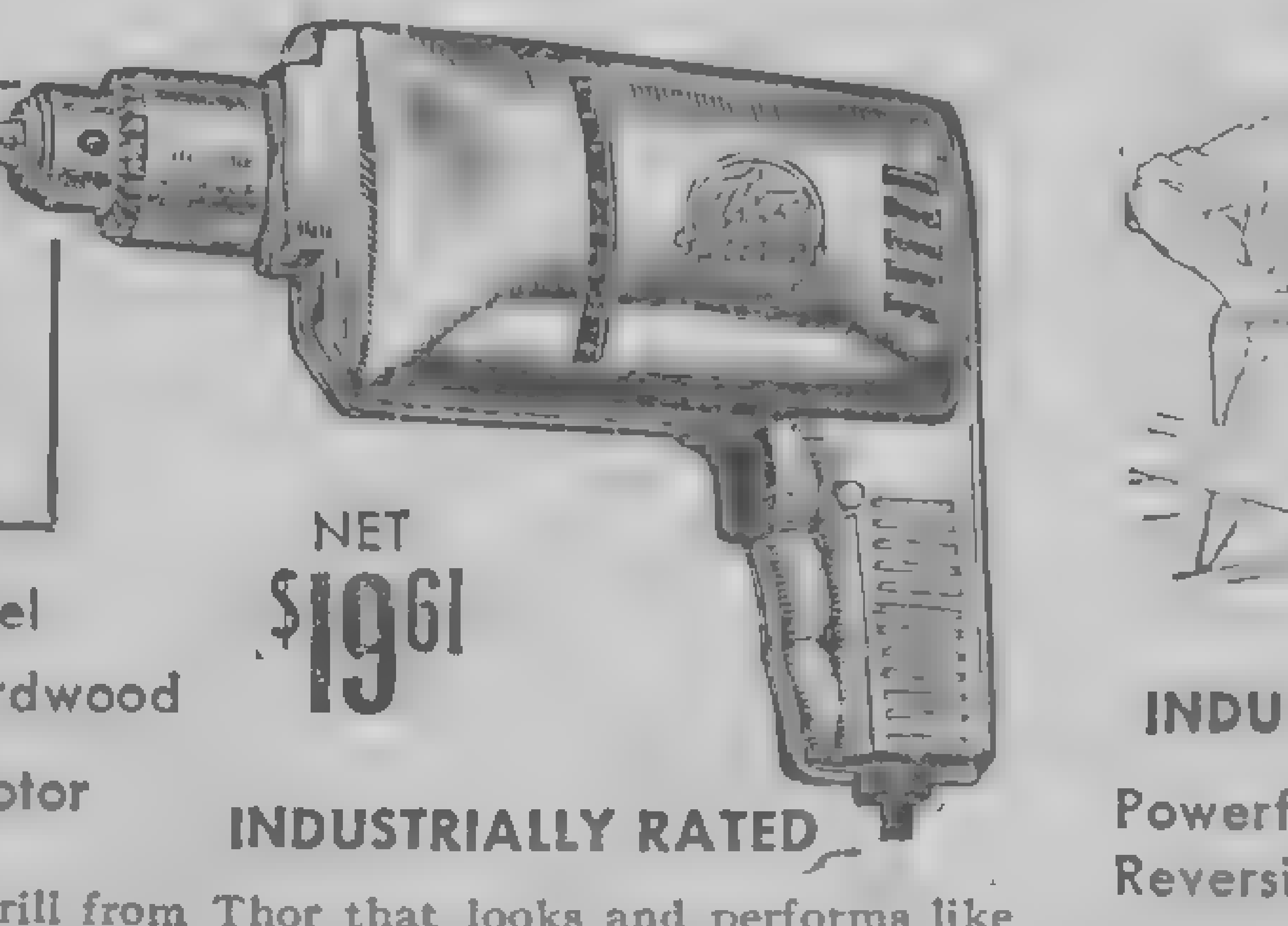
ONLY $\$10^{99}$

- Has Plenty of Extra Power to Handle Any Attachment
- Ball-Thrust Bearing for Extremely Smooth Operation
- Drills ¼″ Holes in Steel, Up to ½″ Dia. in Hardwood
- Dependable Gear-Type Chuck and Key—U.L. Approved

A truly outstanding value in an efficient ¼″ electric drill. Lightweight and economical—a "natural" to meet do-it-yourself requirements. Husky, 2.5 amp motor will provide years of dependable service. Gear-type chuck takes all drill shanks up to ¼″ in diameter. Precision, ball-thrust bearing assures extremely smooth operation. Has locking pin on momentary-contact trigger switch. No-load speed, 2400 rpm; full-load, 1500 rpm. Overall length, 9″. With chuck key, 6-ft. cord. For 110-120 v., AC, DC. 3¼ lbs.
50 N 009. List, $18.95. 1-9, **NET EACH** 10.99
10-Up, EACH..9.99

POWER DRILL ACCESSORIES ARE LISTED ELSEWHERE IN THIS SECTION

NEW! . . . "DRILL OF THE YEAR"



NET $\$19^{61}$

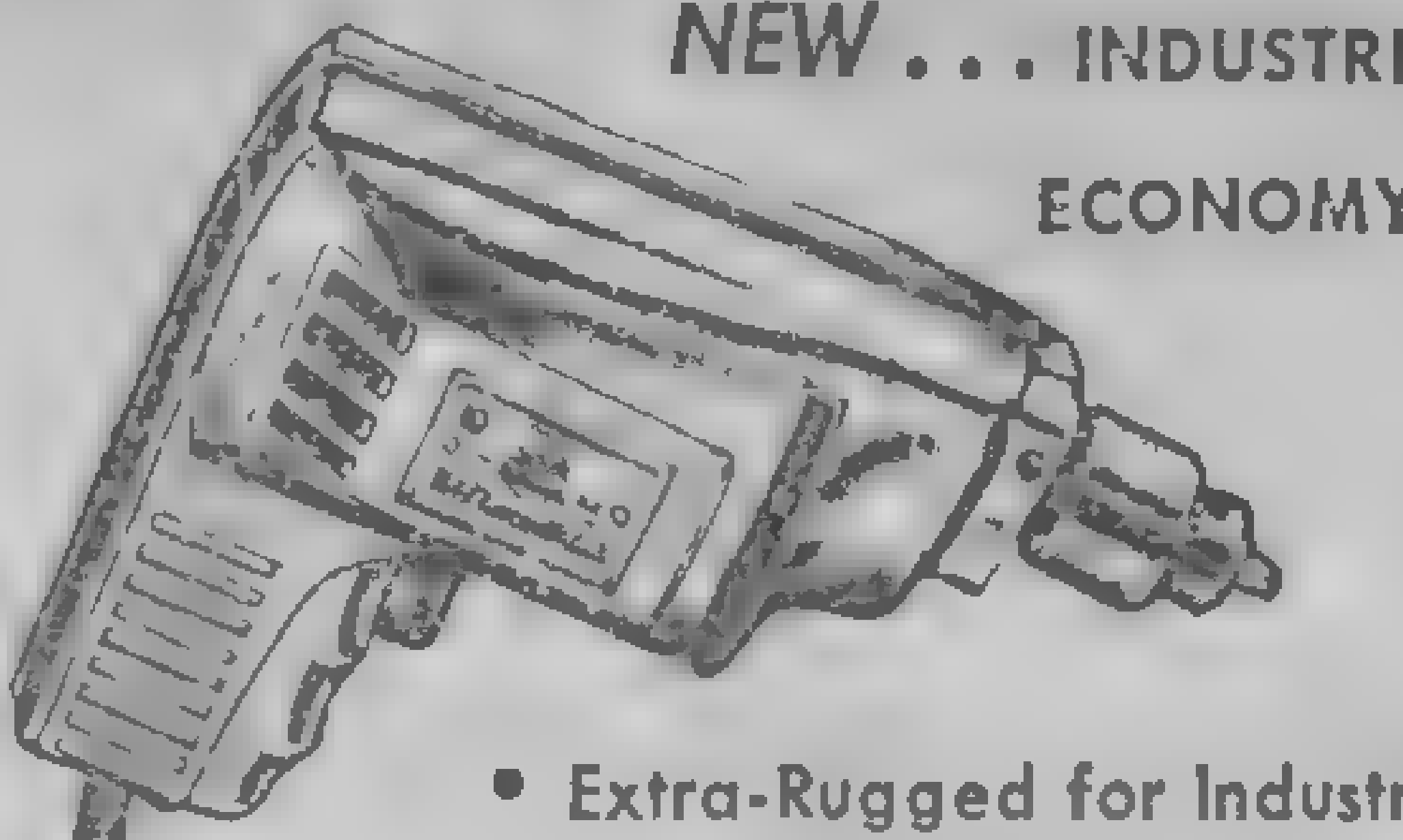
- Drills ⅜″ Holes in Steel —¾″ Holes in Hardwood
- Powerful 3.1-Amp Motor

INDUSTRIALLY RATED

MODEL 32. A new ⅜″ drill from Thor that looks and performs like much more costly professional models. Engineered to handle countless jobs in shops, on the farm or heavier-than-usual jobs around the home. Super-powered 3.1 ampere motor features a statically and dynamically balanced armature for freedom from vibration. This modern drill incorporates heavy-duty sealed radial thrust spindle bearing, 22 bar commutator, precision-hobbed steel gears, 3-jaw geared chuck, ball and oilite bearings, plus many other outstanding features. Has glistening, die-cast aluminum housing. No-load speed, 925 rpm; full-load, 610 rpm. Momentary-contact switch has convenient locking pin for continuous operation. Overall length, 8½″. Supplied complete with 6-ft. 3-conductor cord, geared chuck and key. CSA and U.L. approved for industrial applications. For operation from 110-120 volts, 50-60 cycle AC, or DC. Shpg. wt., 5 lbs. *Only $2 Down.*
50 N 478. List, $27.95. **NET**................................19.61

MODEL 1276. Designed and built to conform to rigid government specifications, this heavy-duty ⅜″ drill will effortlessly handle most any job you'll come across. Employs extra rugged, oversize components for withstanding lots of usage and tough, rugged drilling jobs. Has plenty of power to handle a wide variety of attachments for other jobs too. Has all sealed ball and needle bearings, 22 bar commutator, heat-treated alloy-steel precision gears, heavy-duty switch with locking pin for continuous operation. Husky 3.1 amp motor. No-load speed, 1000 rpm; full-load, 650 rpm. Length, 9⅜″. Meets federal specification W-D-661b. U.L., CSA approved for industrial use. For 110-120 v., 50-60 cycle AC, DC. Shpg. wt., 5½ lbs. *$2 Down*
50 N 477. List, $48.00. **NET**................................33.61

NEW . . . INDUSTRIALLY-RATED ECONOMY ¼″ DRILL

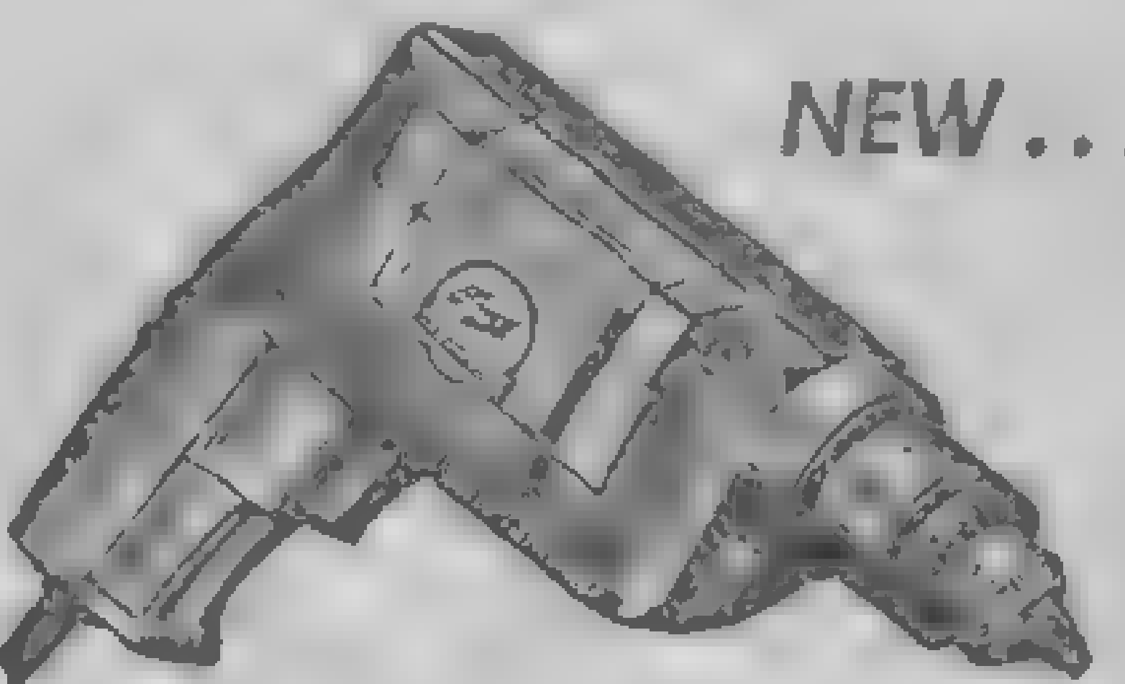


ONLY $\$14^{99}$

- Extra-Rugged for Industrial Use
- Powerful 2.5 Amp Motor—U.L. Approved

MODEL 22. Top-flight, modern design plus quality materials and construction throughout, combine to make this new ¼″ industrially rated drill the value leader in its class. A perfect unit for use in shops or for heavy-duty use around the home. Power-packed 2.5 ampere motor features a 22 bar commutator for extra power and dependability. Other stand-out features contributing to the excellent quality and value built into this drill include lightweight, perfectly balanced, highly polished, die-cast aluminum housing; all-steel heat-treated gears; sealed ball bearing on spindle; precision geared chuck. No-load speed, 2400 rpm full-load speed, 1500 rpm. Smooth operating momentary-contact switch has convenient locking pin. Overall length, 7⅜″. Supplied with chuck key, 6-ft. 3-conductor cord. U.L. and CSA approved for industrial use. For operation from 110-120 volts 50-60 cycle AC, or DC. Shpg wt., 4½ lbs.
50 N 480. List, $20.95. **NET**........................14.99

NEW . . . INDUSTRIALLY-RATED MEDIUM-DUTY ¼″ DRILL



NET $\$27^{99}$

MODEL 1301. An efficient, all-new 3 amp drill with a host of features that any tool craftsman will really appreciate. Has ball bearings on spindle and armature; precision gears packed in lifetime grease; geared chuck; sturdy, die-cast, polished aluminum housing. No-load speed, 2200 rpm; full-load speed, 1400 rpm. Has 22 bar commutator. Overall length, 8¾″. Supplied with 10-ft. 3-conductor cord and 2-prong plug adapter, chuck key. U.L. Approved. For operation from 110-120 volts, 50-60 cycle AC, or DC. Shpg. wt., 5 lbs. *$2 Down.*
50 N 479. List, $39.50. **NET**........................27.99

MODEL 1251. Similar to Model 1301 above, but has 3.1-amp motor. Meets government specifications for heavy-duty use. Oversize switch with locking pin. Has ball and needle bearings throughout. U.L., CSA approved for industrial use. 5 lbs. *$2 Down.*
50 N 484. List, $46.00. **NET**........................31.99

NEW! ½″ DRILL

INDUSTRIALLY RATED

Powerful 6.5-Ampere Reversible Motor

NET $\$29^{90}$

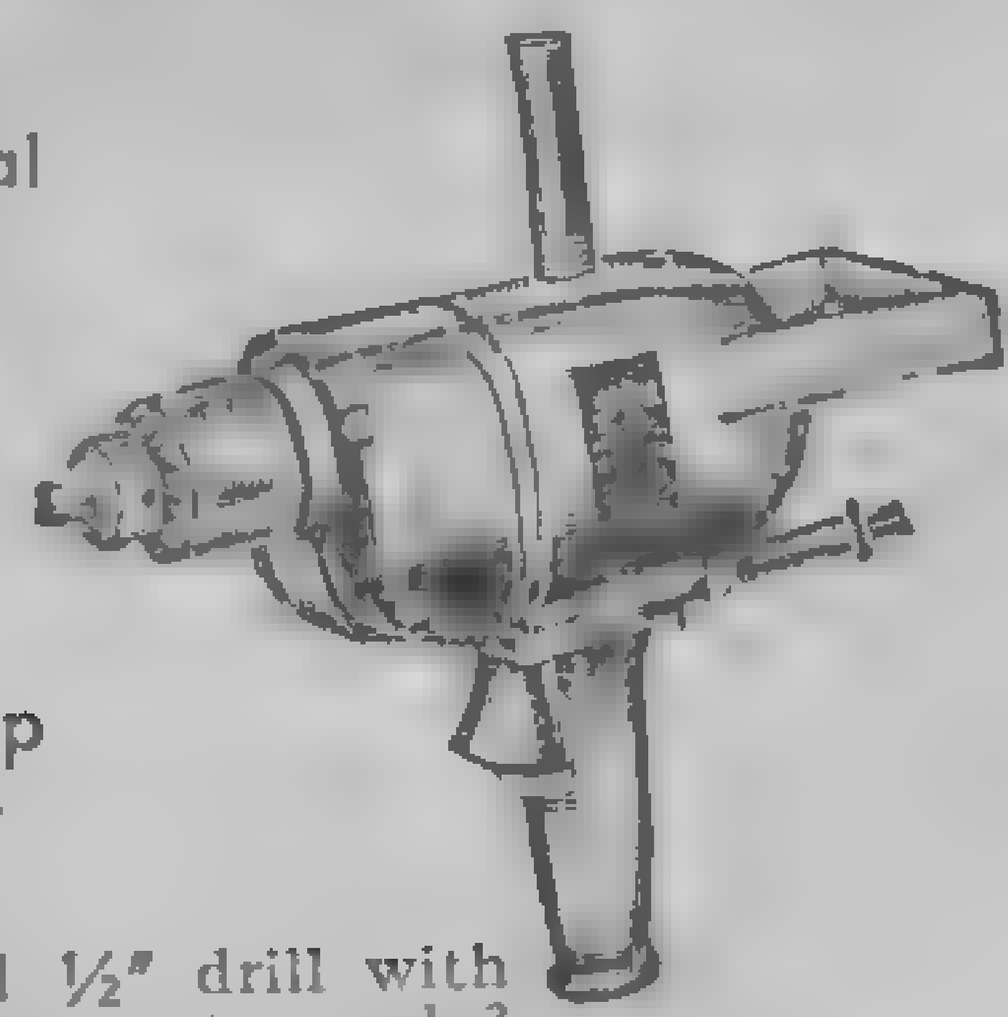
MODEL 43R. A tough, powerful ½″ drill that is easy to handle even in close quarter work. Handy reversing action allows safe, easy drill bit or auger removal out of heavy steel and wood. Features sturdy, precision construction. Two-position rear handle and removable top handle permit efficient, easy handling. Full 6.5 amp motor has 28 bar commutator—runs cool even under heavy load—has plenty of reverse power. Armature is statically and dynamically balanced. Gears of helical heat-treated steel. Large push-button safety switch and reversing switch are conveniently built into the handle. Has heavy-duty 3-jaw geared chuck. Aluminum housing. No-load speed, 600 rpm; full-load, 400 rpm. Overall length, 14⅜″. With safety lock and neutral release, 6 ft. 3-conductor cord. U.L. and CSA approved for industrial use. For operation from 110-120 volts, 50-60 cycle AC, or DC. Shpg. wt., 12 lbs. *$2 Down.*
50 N 476. List, $44.95. **NET**........................29.90

SPEEDWAY MODEL 40. Low-cost, ½″ drill built to professional standards. Features high power and exceptional handling ease. Rear grip handle revolves to vertical or horizontal position; locks securely in either position—or removes completely. Has heavy-duty sealed radial thrust ball bearing on spindle. 6.5 ampere rating. No-load speed, 550 rpm; full-load speed, 400 rpm. Also features safety switch with push-button lock for continuous operation; removable top handle. Has polished aluminum-alloy die cast housing. Overall length, 14⅜″; less rear handle, 11¼″. With 6 ft. cord, chuck key. U.L. Approved. For operation from 110-120 volts, 50-60 cycle AC, or DC. Shpg. wt., 12 lbs. *$2 Down.*
50 N 475. List, $31.95. **NET**........................23.77

Famous SKIL Drills and Snap/Lock Tools

MODEL 542 ½" DRILL

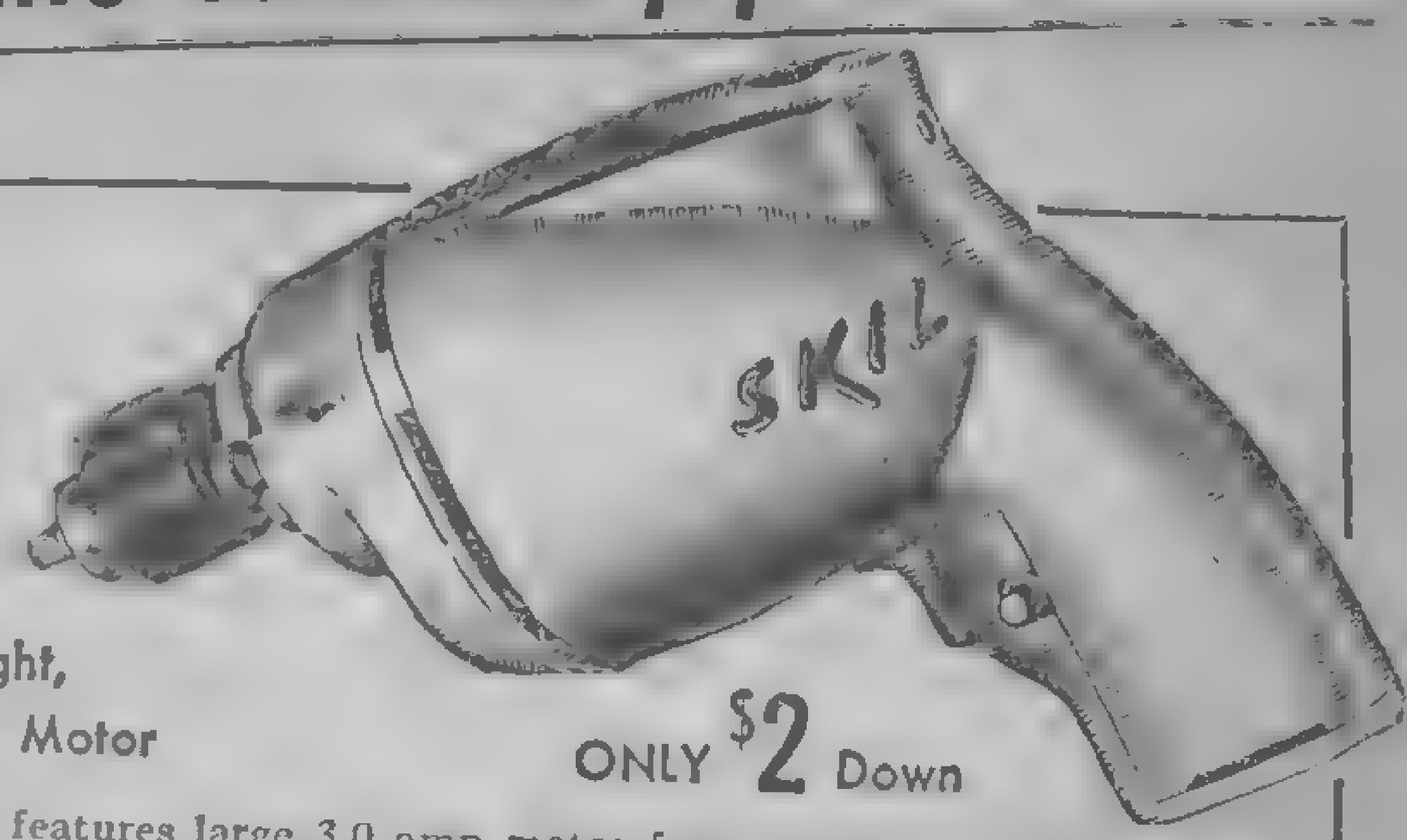
Deluxe
Industrial
Model



3.5 Amp
Motor

Power-packed ½" drill with rugged 3.5 amp motor and 3 separate handles. Industrial model designed with increased power for tough drilling jobs in heavy lumber and metal. Heavy-duty end-thrust bearings and self-aligning bronze bearings. Precision helical gears for smooth, efficient power take-off. Gear-type chuck takes up to ½" shanks. Drills holes in steel up to ½" in [illegible]; 1" in wood. Pistol-grip handle has momentary-contact switch with locking pin. Removable top handle and rear spade handle offer greater drilling control. No-load speed, 500 rpm. Heavy 3-conductor rubber cord. With chuck key. Length, 12½". For operation from 110-120 v., AC-DC. Case included. Shpg. wt., 11 lbs. *$2 Down.*
50 N 194. List, $49.95. **NET**......37.49

MODEL 549 HEAVY-DUTY ¼" DRILL



Compact, Lightweight,
Rugged 3 Amp Motor

ONLY $2 Down

Heavy-duty ¼" drill features large 3.0 amp motor for an extra margin in power. Motor develops up to ¼ H P. for driving Snap. Lock tools and drill accessories. Gives top performance on all drilling jobs or when used with ¼" drill accessories—preferred by professional craftsmen.

Has over-sized fan for cool-running motor—prolongs the useful life of drill. Precision helical gears transmit power efficiently for smooth operation Multi-ball thrust bearing on chuck spindle for longer service-free operation. Sturdy gear-type chuck fits all tool shanks up to ¼". Chuck grips bits firmly; bits accurately aligned with no hand-tightening. Self-adjusting brushes give better commutator contact and motor efficiency. No-load speed, 2500 rpm. Aluminum housing with pistol-grip. Momentary contact trigger has locking pin. With chuck key. Heavy 3-conductor rubber cord. Overall length, 8¾". U.L. Approved. For operation from 110-120 v., AC or DC. Supplied complete with case. Shpg. wt., 4½ lbs.
50 N 193. List, $29.95. *$2 Down.* **NET**..................................22.40

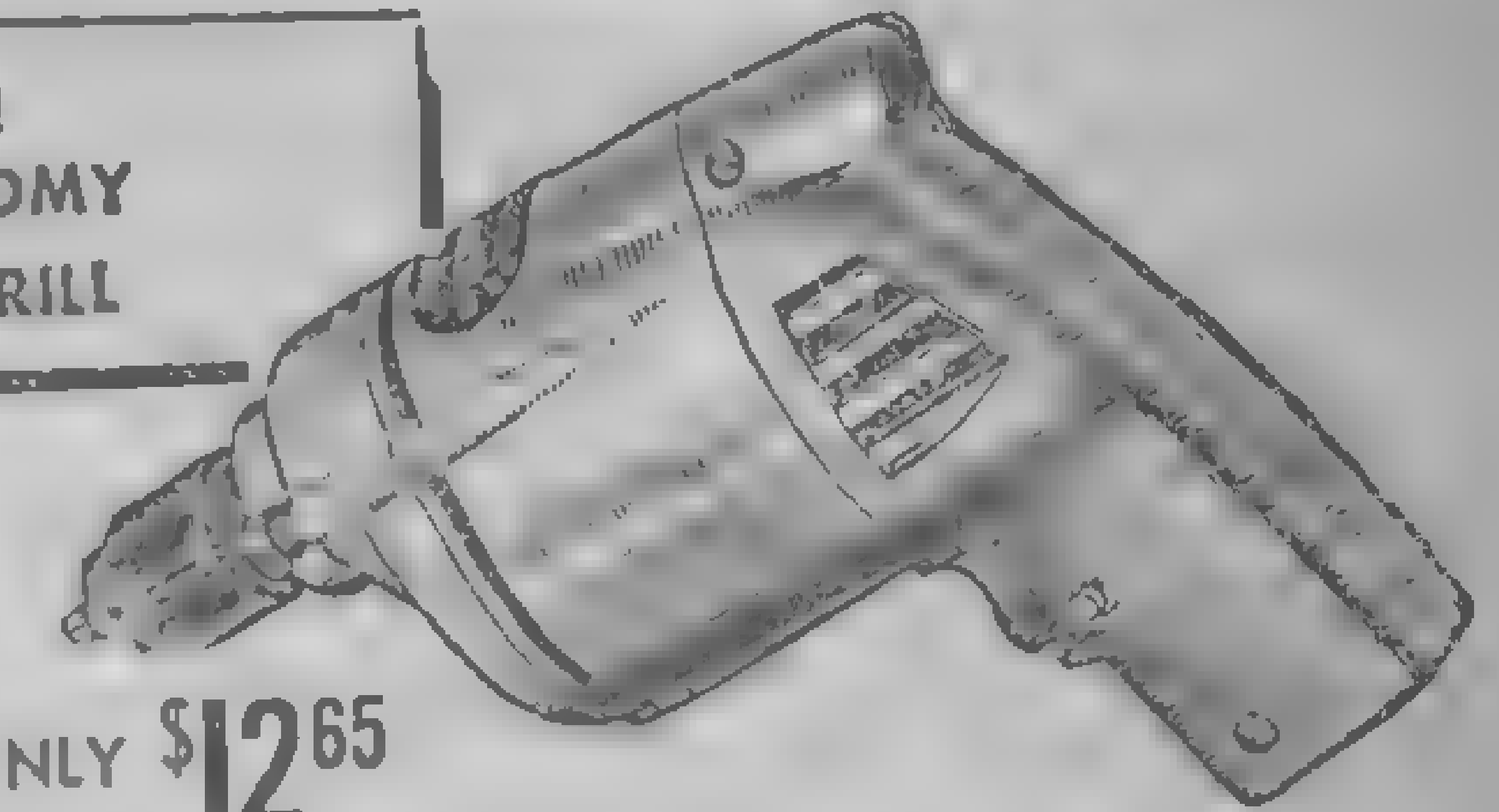
USE ALLIED'S
EASY PAY PLAN
SEE PAGE 436

Use Allied's Easy Pay Plan to buy the tools you need. You can buy them as part of any order totaling $20 or more.

OUTSTANDING VALUE! ECONOMY ¼" DRILL

SKIL

MODEL 503

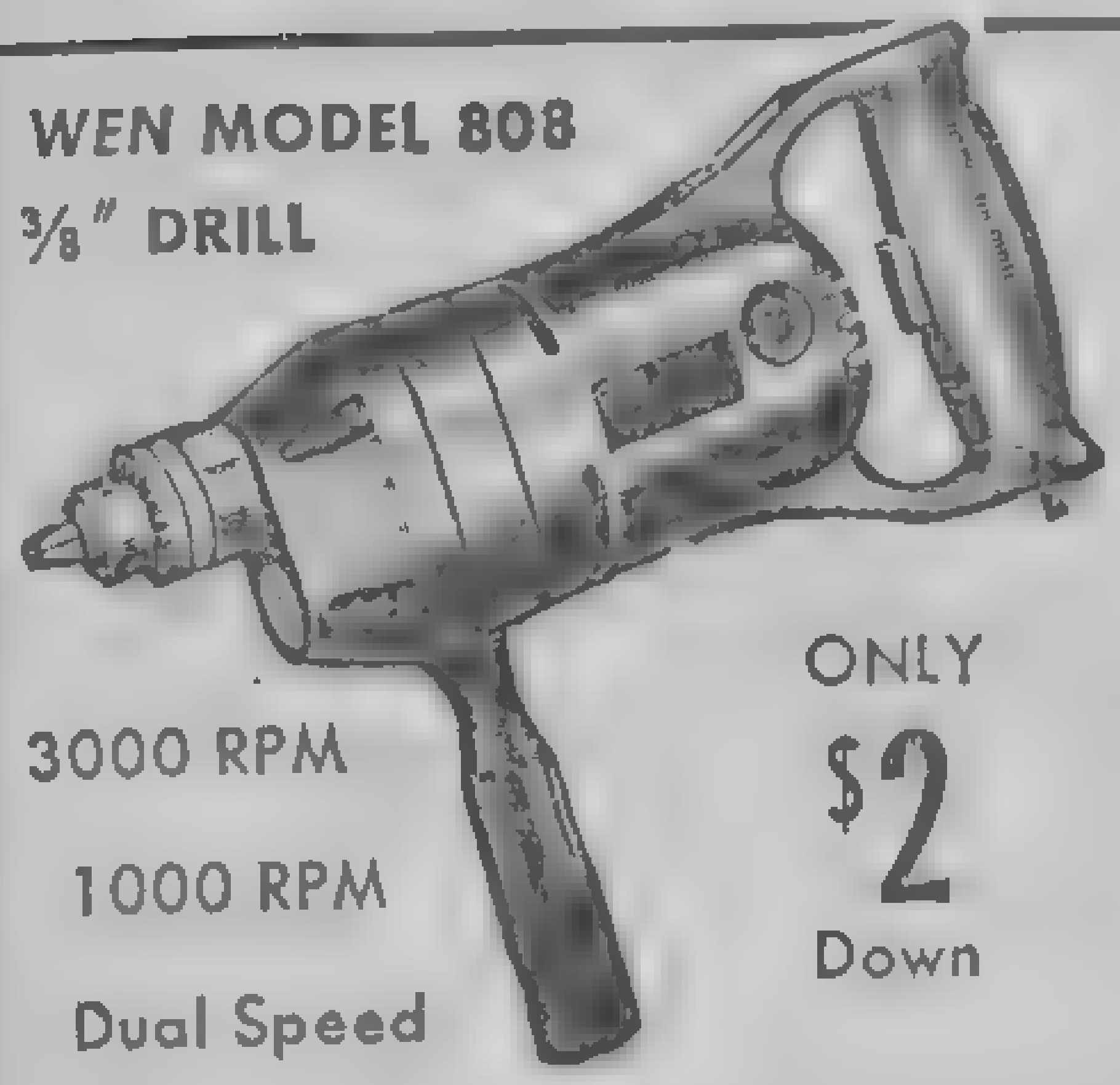


Use with Snap/Lock
Attachments
Described Below

ONLY $12.65

Combination ¼" drill and power unit for Skil's revolutionary new Snap/Lock tools described below. Drills snap on or off in 3 seconds. An exceptional value in an economy priced, lightweight power drill; powerful motor delivers extra power for drilling or driving accessories. Oversize fan for cool running motor. Automatic shut off switch locks for sustained operation. Geared chuck grips firmly—bits are accurately aligned. Helical gears have greater tooth strength for more drilling torque. No-load speed, 2500 rpm. Powerful 2½ amp motor for 110 120v., AC only. Heavy 3-conductor rubber cord with plug. Overall length, 8¾". Case included. Shpg. wt., 4½ lbs.
50 N 298. List, $17.95. **ONLY**.................................12.65

WEN MODEL 808 ⅜" DRILL



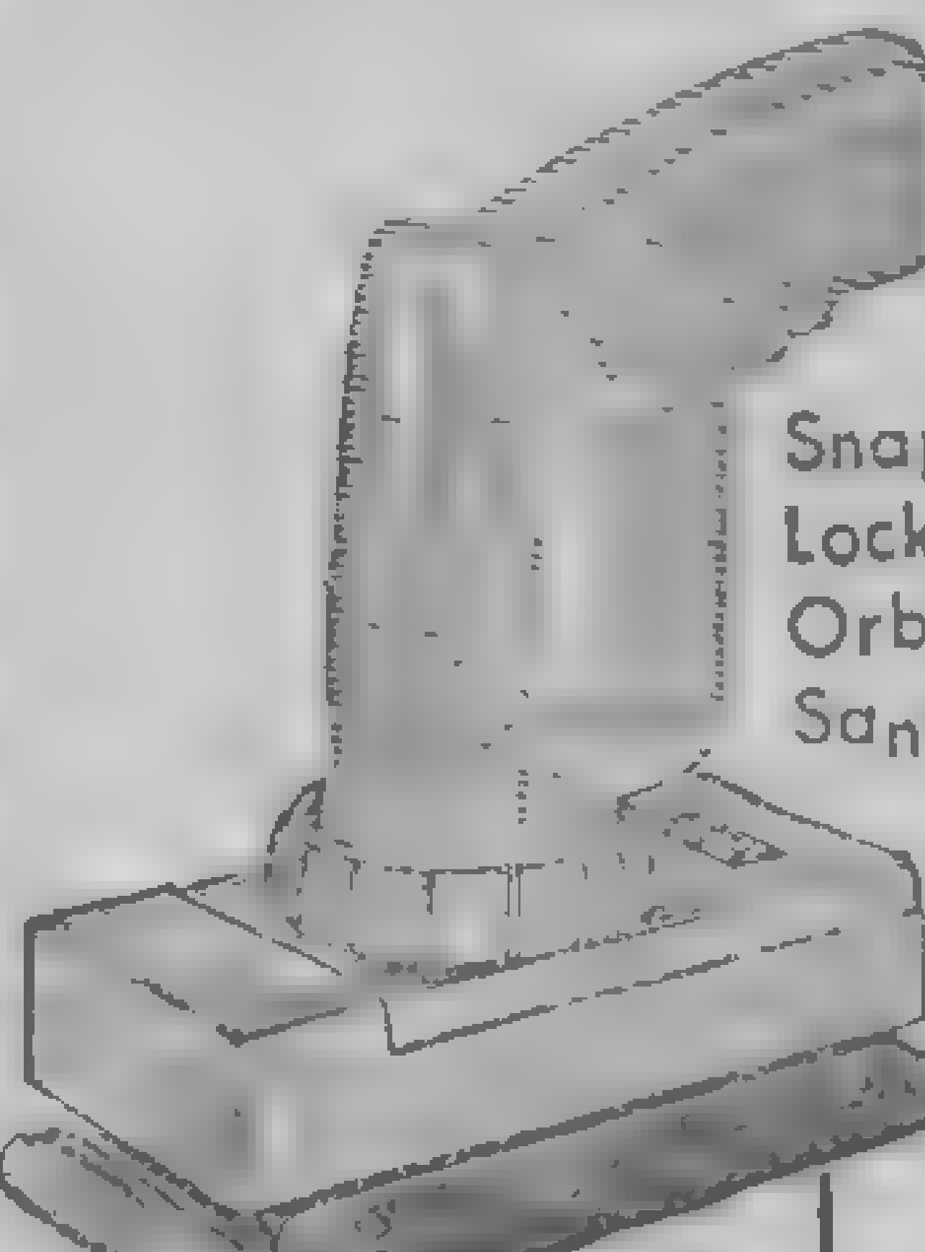
ONLY $2 Down

3000 RPM
1000 RPM
Dual Speed

Unique, extremely versatile, 2-speed drill featuring dual power take-offs. Works efficiently with any high or low speed attachment. Simply insert chuck into high-speed power take-off for effortless drilling through steel, wood, aluminum, brass, or copper; insert chuck into low-speed power take-off for drilling such materials as masonry and concrete.

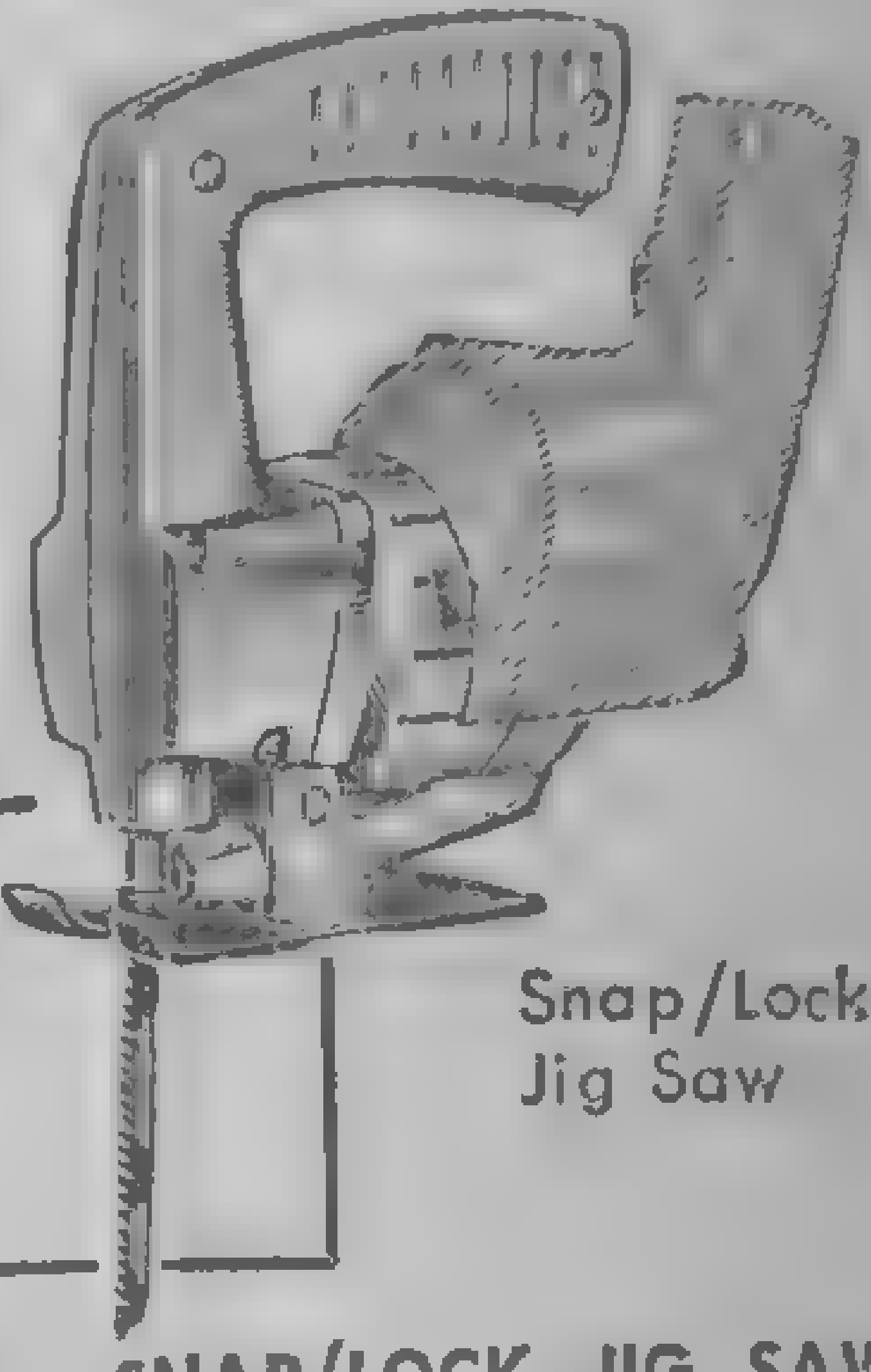
Streamlined full ⅜" capacity drill with genuine geared ⅜" chuck featuring ball thrust bearings and high torque motor. Removable extra grip handle included for maximum ease of handling at either speed. Squeeze-type momentary contact switch with convenient "lock-on" button; comfort-grip "D"-type handle. Easy-to-change speed—no gear shifting.

The 1000 rpm speed is for heavy drilling and for polishing without danger of burning fine finishes. The 3000 rpm speed is highly efficient for drilling small holes, as well as for rotary sawing, sanding and wire brushing operations. The chuck will take any standard attachment for sanding, grinding, polishing and buffing. Lustrous silver-gray finish. Overall length, 12¼"; 6-ft. heavy-duty, 3-conductor rubber-covered cord. 2 amperes. U.L. Approved. For 110 120 volts, AC-DC. Case included. Shpg. wt., 5 lbs.
46 N 947. List, $29.95. **NET**...19.97



Snap/Lock Orbital Sander

Snap/Lock 5" Saw



Snap/Lock Jig Saw

SKIL SNAP/LOCK POWER DRILL ATTACHMENTS

SNAP/LOCK SANDER

Model 22503. Sands close to corners; has the same 25 square-inch sanding pad used on deluxe Skil sanders. New Skil Snap/Lock power drill attachment snaps on or off in 3 seconds. No wrenches, bolts, clamps, yet unit is extremely sturdy and secure. This deluxe attachment handles the most rugged jobs with ease. Fits Skil Model 503 ¼" drill, Skil Model 549 (type 5 and later) ¼" drills; B & D Models U-1, U-3, U-15, U-100 and U-400 ¼" drills. Includes long-life Perma-Grit tungsten carbide sanding sheet; uses 3⅝x9" sandpaper sheets. Weighs only 2½ lbs. Includes metal wall-holder cradle (Supplied less drill power unit; see models listed above.) Shpg. wt., 3 lbs. List, $16.95.
50 N 425. **NET**.........12.65

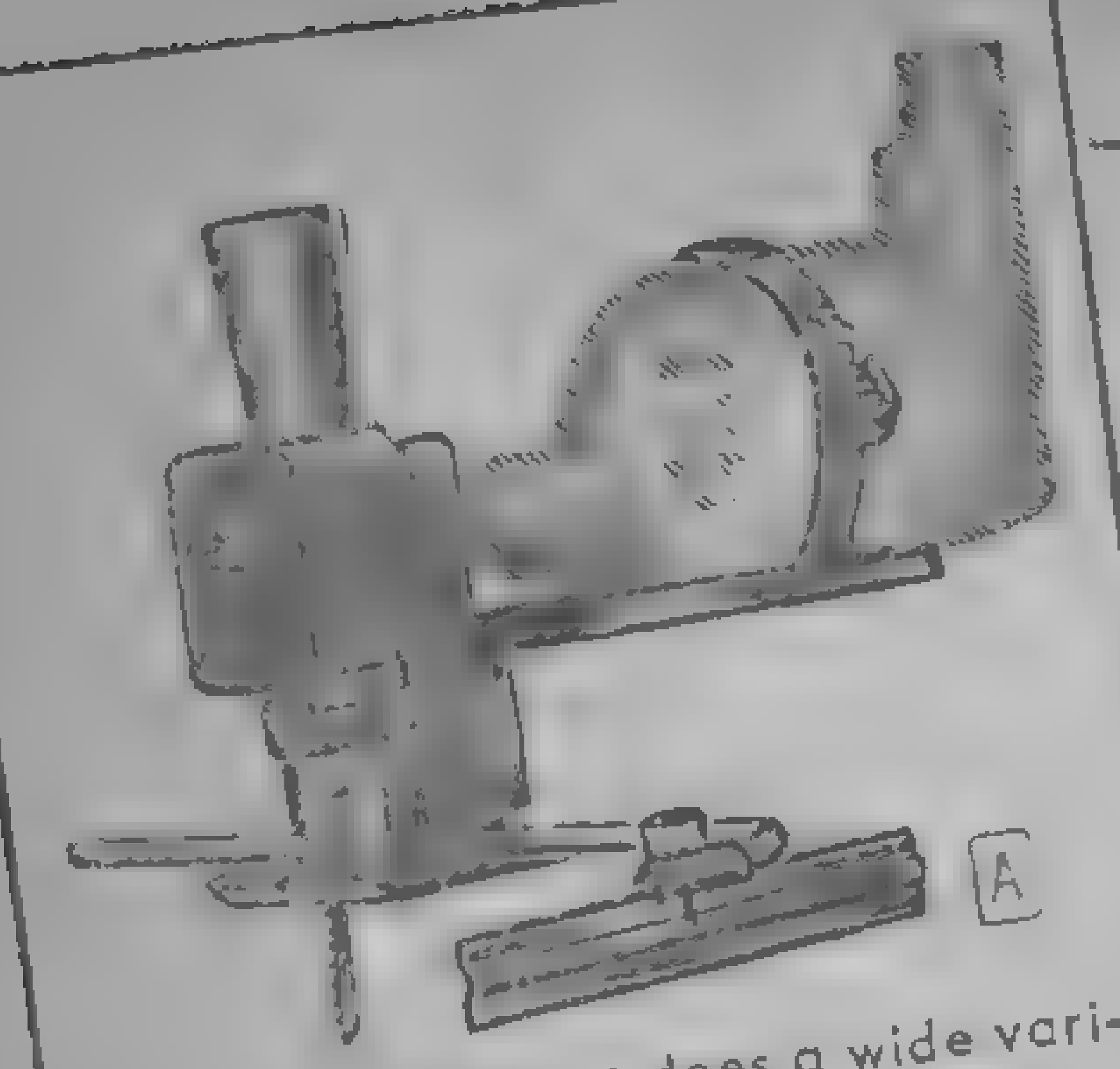
SNAP/LOCK 5" SAW

Model 22501. This smooth-working circular saw cuts through 1" lumber at 45°, 1¼" lumber at 90°. Easy-to-adjust depth and bevel controls for accurate cutting of lumber, plywood, etc. Circular saw fits Skil Model 503 ¼" drill, Skil Model 549 (type 5 and later) ¼" drills; B & D Models U-1, U-3, U-15, U-100 and U-400 ¼" drills. Features telescoping lower blade guard for extra safety; retracting handle for pocket cuts. Carefully designed and light in weight to assure easy handling. Weighs only 2¼ lbs. Includes rip fence, 5" combination blade, ½" arbor metal wallholder cradle. (Less power unit.) Shpg. wt., 3 lbs. List, $16.95.
50 N 423. **NET**.......12.65

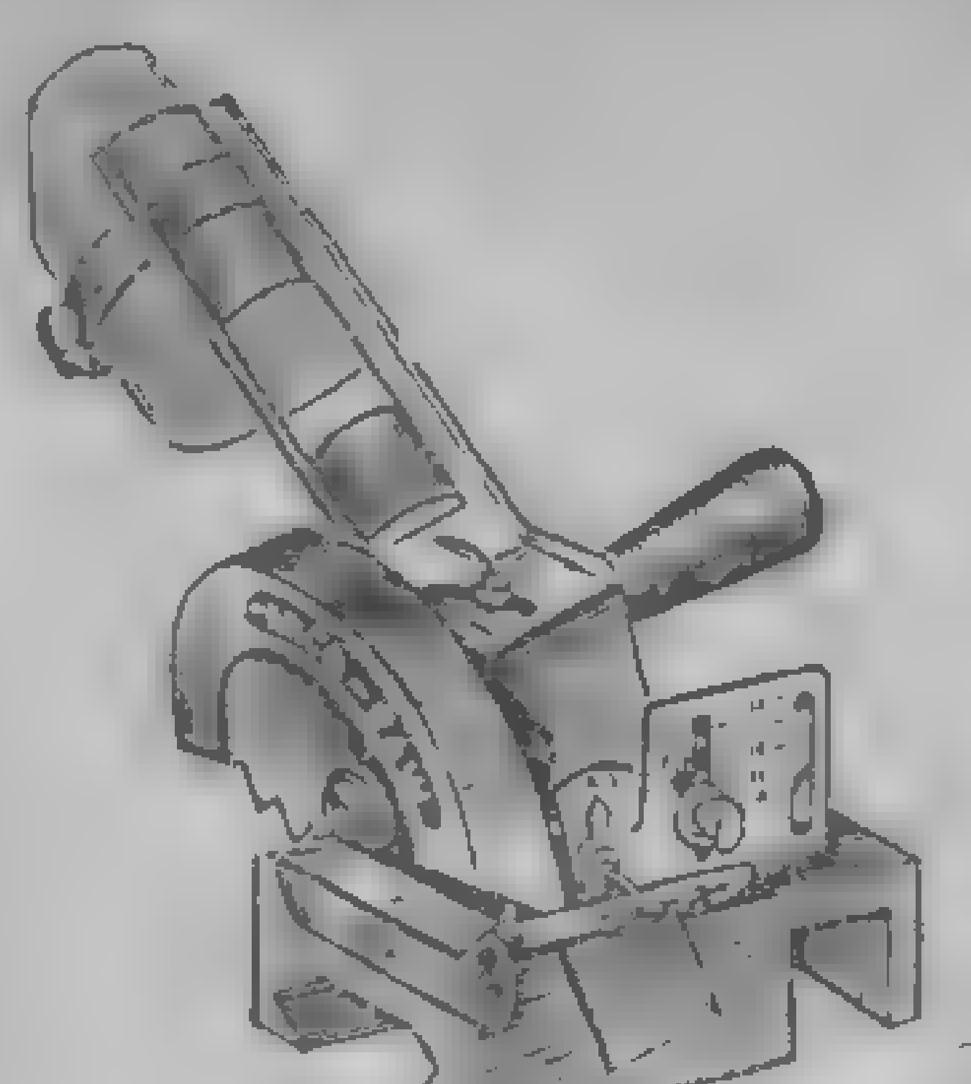
SNAP/LOCK JIG SAW

Model 22502. Jig saw cuts anything from 1" dressed lumber to steel, in any shape from straight lines to small circles. Automatic blower keeps line of cut clean. A revolutionary new Skil Snap/Lock tool that just snaps on power unit in 3 seconds. Jigsaw fits Skil Model 503 ¼" drill, Skil Model 549 (type 5 and later) ¼" drills; B & D Models U 1, U-3, U 15, U-100 ¼" drills. Starts [illegible] hole for "pocket" cuts; oversize saw foot for stability. Weighs only 2¼ lbs. Includes metal wall-holder cradle. (Less power unit, listed above) Shpg. wt., 3 lbs. List, $16.95
50 N 424. **NET**...12.65

Power Drill Accessories


A

Jig saw attachment does a wide variety of jobs in the home workshop.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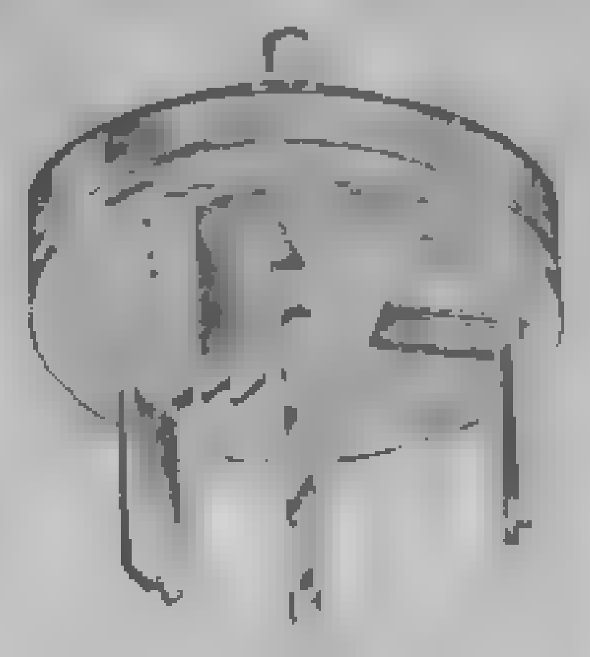
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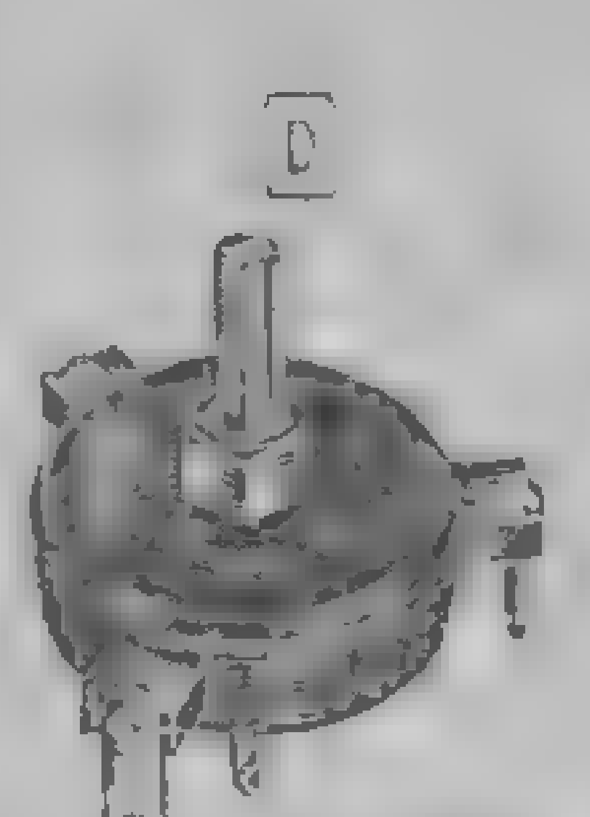
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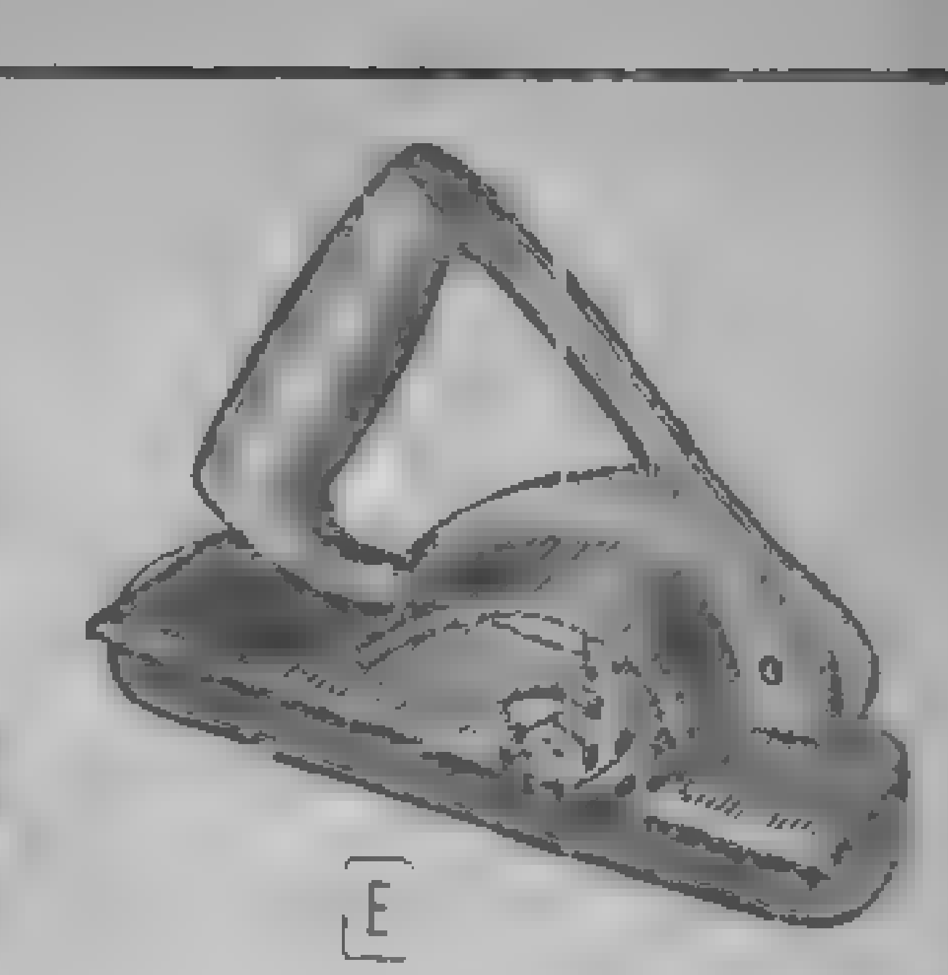
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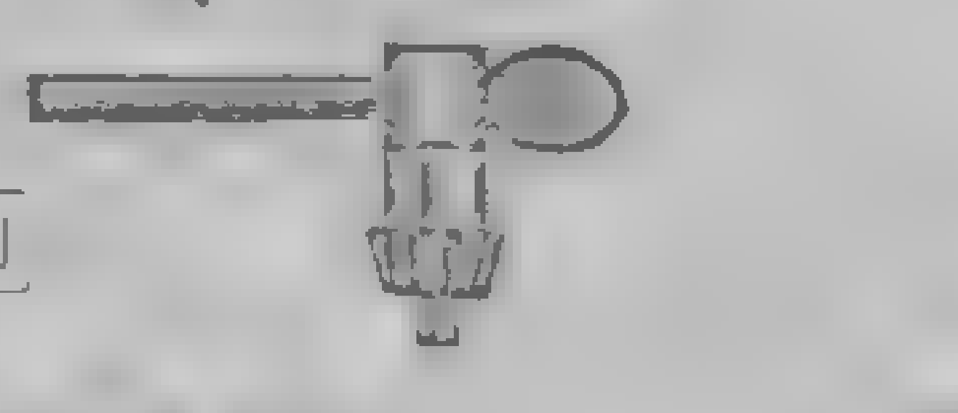
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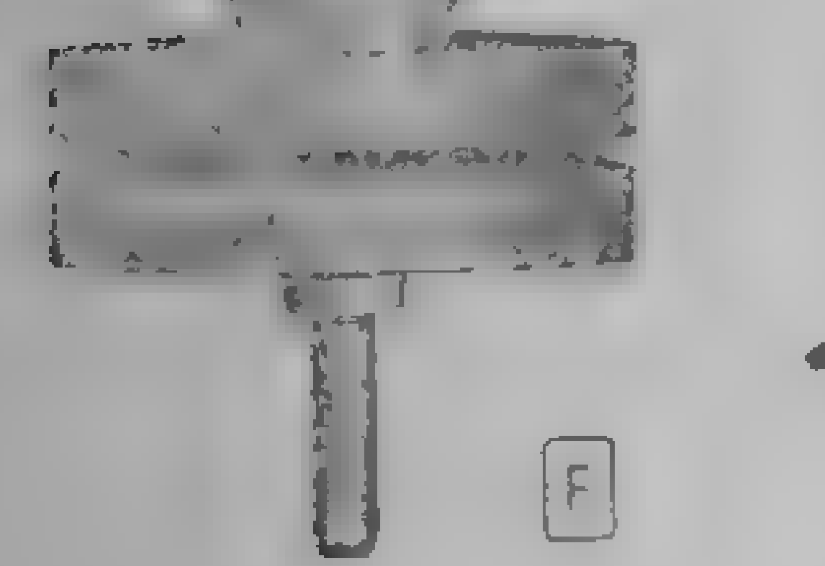
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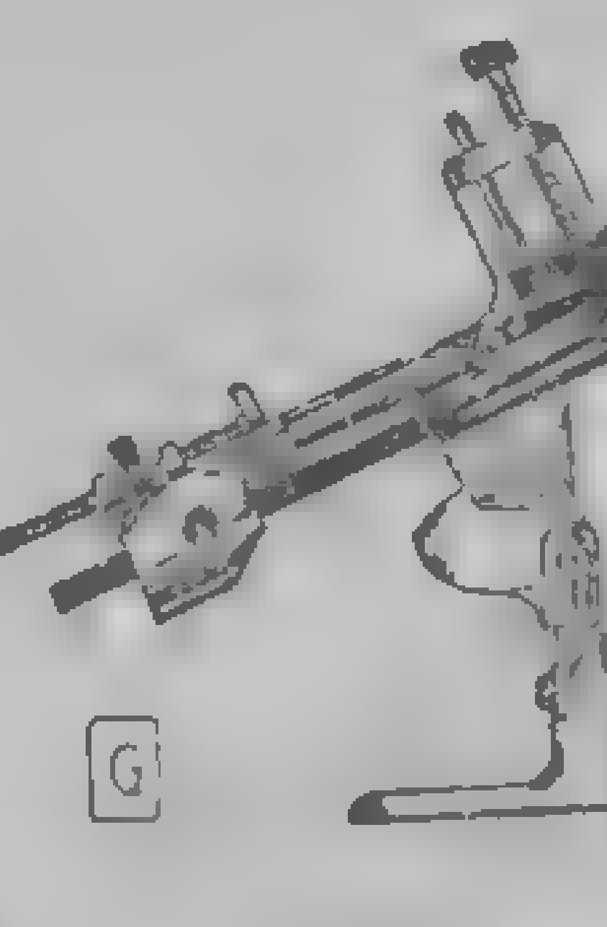
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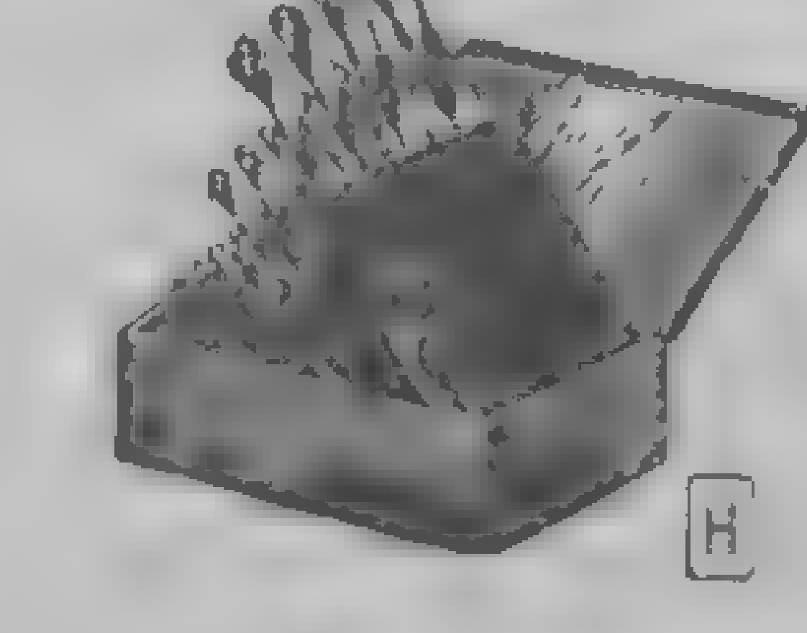
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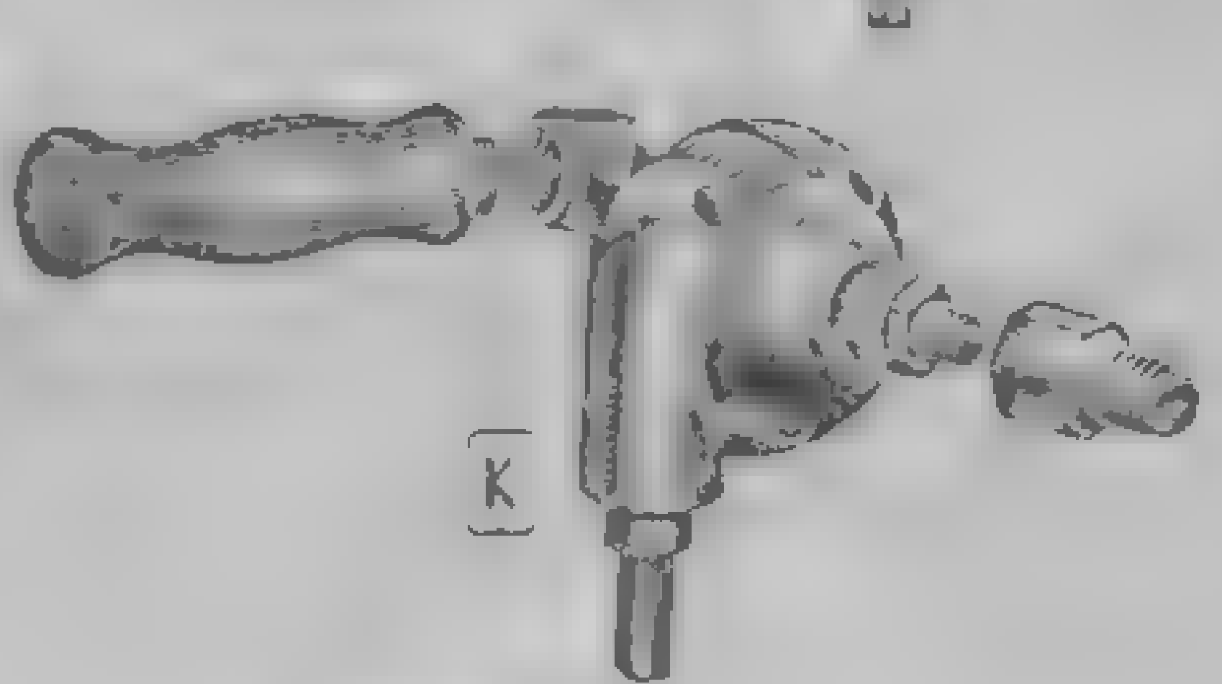
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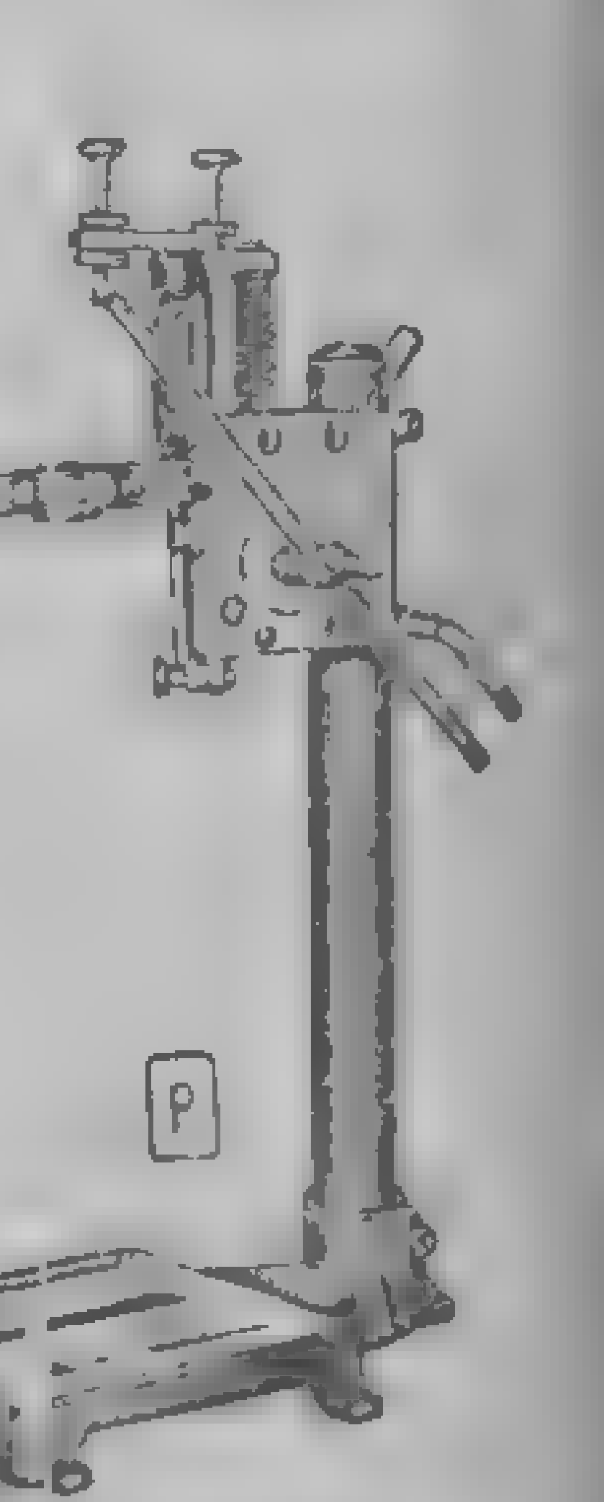
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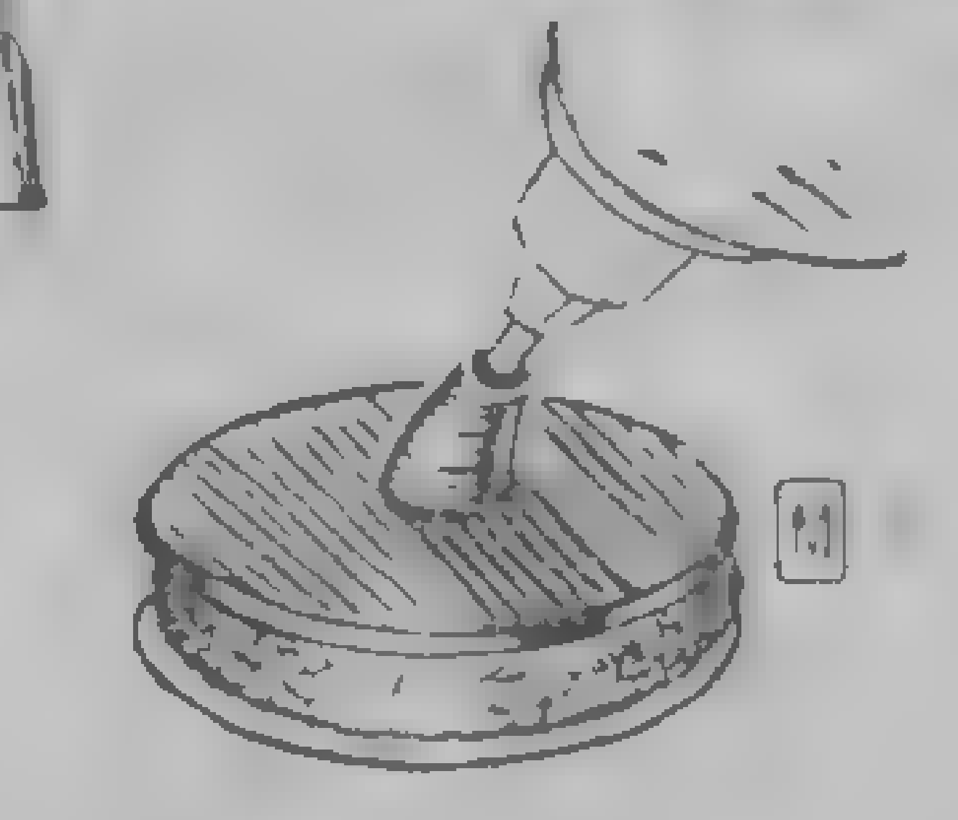
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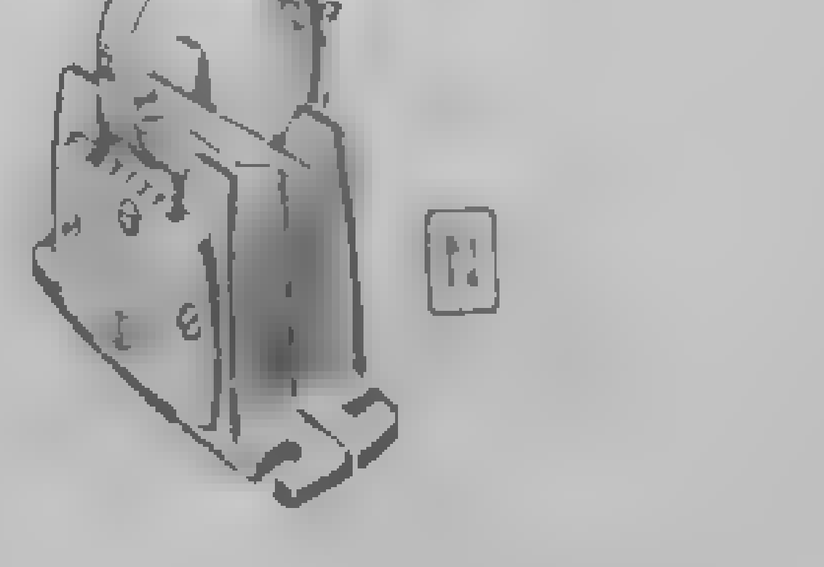

N

Convert a portable power drill into a complete home workshop. The accessories attach to your drill easily and quickly to become a power saw, a power screwdriver, power planer, sander, buffer or polisher. Ruggedly built for years of dependable service.

A **Arco 550 Jig Saw.** Versatile jig-saw attachment—has adjustable circle-cutter and rip-gauge. Fits any ¼" electric drill. Cuts perfect circles up to 20" in diameter; rips up to 10" wide. Does work of jig, keyhole, coping, rip, crosscut, band and hacksaw. Cuts plywood, plastic, etc.—even 2x4 lumber. Air-blower keeps sawdust away from blade. Cuts openings for plumbing, switch-boxes, etc., without boring starting hole. Has right-angle drive. With blade. Shpg. wt., 2½ lbs.
50 N 231. List, $9.95. **NET** . . . 6.63

Extra Blades. For above jig-saw attachment. Assortment of six blades—2 coarse; 2 medium; 2 fine-tooth. For cutting plywood, wallboard, hard and soft woods, etc. Shpg. wt., 2 oz.
50 N 232. List, $1.95. **NET**............1.39

B **Arco 456 Circular Saw.** Converts any ¼" drill into a power saw. "Dado-Arbor" swivels saw blade to cut any groove up to ½" wide by 1" deep. Graduated depth gauge is adjustable for cutting to depth of 1¾"; bevel gauge is accurately calibrated for making cuts from 0 to 45°. Rugged, right-angle steel gear drive. Gear case contains self-lubricating bearings. With rip guide, yoke, and 5" "Arco Safecut" blade. Shpg. wt., 4 lbs.
50 N 000. List, $12.95. **NET**.........8.63

REPLACEMENT BLADES. 5" blades for Arco 456. Tempered tool steel; ⅜" bore. ¼ lb.

Stock No.	Type	Description	EACH
50 N 001	250T	Safecut blade	1.43
50 N 002	252T	Crosscut blade	
50 N 003	253T	Rip blade	
50 N 004	255T	Combination blade	

C **Skil 19781 Hole Saw.** Attachment for any ¼" drill. Cuts holes from 1⅛" to 2½". For cutting adjustment, simply loosen clamping nut and rotate or "dial" bottom plate for desired diameter. Steel cutters bore wood, plastic and composition. Wt., 1½ lbs.
50 N 269. List, $4.95. **NET**..........3.99

D **Erwood 355 ⅜" Dial Saw.** Use with electric drill, drill press, lathe, milling machine. Has ⅜" shank. Dials and cuts holes of any size, 1⅛" to 3½", in metals, woods, plastics. Also rotary wood planer and groove cutter. With set of high-speed metal cutting blades, one 3/16" Pilot drill. Wt., 1½ lbs.
50 N 373. List, $9.70. **NET**..........6.72

E **Rotex "Roto-Plane" Attachment.** Planes at any angle—with, across or against grain of wood. Depth of cut is adjustable (0" to 1/16"). Guide edge provides automatic planing at a true 90°. Diagonal shearing action eliminates deflections from knotholes, etc. Specially designed, 6-flute, spiral steel cutter is deep hardened and precision ground. Planing width, 1⅞". Die-cast aluminum housing. 3 lbs.
45 N 872. List, $11.95. **NET**.........8.78

F **Babco Knife and Scissors Sharpener.** Attachment fits into the chuck of any ¼" electric drill. Beveled groove between 2 grinding wheels sharpens any knife quickly and efficiently. Cup guide located on end of shaft holds scissors securely at proper angle for sharpening. Shpg. wt., 5 oz.
50 N 377. List, $1.50. **NET**............1.15

G **G-H 826 Drill Grinding Tool.** Drill-holding jig. Holds drill in correct position for accurate repointing and sharpening. Use with either hand or electric grinder. Jig bolts to table or bench. Handles these drill sizes: Fractional—⅛" to ¾"; Number size—No. 30 to No. 1; Letter size—A to Z; Millimeter size—3.0 to 19.0. Attachment is fully adjustable and ruggedly built. Shpg. wt., 2 lbs.
46 N 106. List, $6.60. **NET**...........5.17

H **Huot Drill Cases.** Sturdy drill cases for compact storage and quick, convenient selection of the right drill for the job. Ideal for shop, school or home. Prevents misplacing drill bits and protects them from dirt and moisture. Holds drill bits securely even when bits are shortened by long use. Cases are made of durable heavy gauge steel. All include a convenient index which clearly shows drill sizes at a glance. Supplied less drills.

60-Drill Capacity. Accommodates one each of standard drill sizes 1 to 60. Ideal for safe, loss-proof storage of a large assortment of the most commonly-used small drill bits. Decimal equivalents and machine-screw tap information is included on the heavy steel case. Size, 3¼x4½x1". Shpg. wt., 1 lb.
46 N 790. **NET** 1.84

15-Drill Capacity. Similar to above, but accommodates 15 bits from 1/16" through ½" in diameter in 1/32" intervals. Overall size, 4x7x1¼". Shpg. wt., 2 lbs.
46 N 716. **NET**......................1.84

29-Drill Capacity. As above, but takes 29 bits from 1/16" to ½" in steps of 1/64". Includes U.S.S. and S.A.E. tap information. Size, 4x7x1¾". Shpg. wt., 3 lbs.
50 N 084. **NET** 2.18

13-Drill Capacity. Same as above, but holds 13 bits from 1/16" through ¼" in 1/64" steps. Size, 2 1/16x4⅝x⅝". Shpg. wt., 1 lb.
44 N 842. **NET**.......................81c

J **¼" Chuck Key.** For gear-type chucks. Made of highest quality materials for excellent service. Shpg. wt., 4 oz.
50 N 195. **NET**.......................70c

½" Chuck Key. Same as above, but for ½" chucks. Shpg. wt., 5 oz.
50 N 197. **NET**.......................81c

K **Babco 742 Right-Angle Drive.** Use with ¼" electric drills for drilling in confined spaces such as between joists or shelves, crowded radio and TV chassis, etc. Fits directly on ⅜"-24 threaded spindle (male or female). Choice of 2 speed ratios; half drill speed for polishing and double drill speed for sanding. Shpg. wt., ¾ lb.
50 N 375. List, $4.49. **NET**...........3.31

Babco 730 Right-Angle Drive. Heavy duty, for ½" drills. Shpg. wt., 2 lbs.
50 N 376. List, $19.95. **NET**........14.70

L **Babco 825 5-1 Speed Reducer.** Fits any ¼" electric drill or any drill press. 5-to-1 gear reduction produces large torque increase, more power at slower speed. Exceptionally versatile device drives or removes up to No. 14 screws. Drills masonry or wood. Reverse feature allows tapping up to 5 holes per minute. Supplied complete with ¼" and ½" adapters, ¼" adapter sleeve, screwdriver bit with sleeve. 3 lbs.
50 N 005. List, $13.95. **NET**........10.25

M **Babco 30 Foam Disc Sander Kit.** New 5" foam rubber backing pad with ¼" "rubber-flex" swivel drive. Spindle fits any ¼" electric drill. Perfect for sanding flat, curved or irregular surfaces—no gouges or swirl marks. The soft foam backer gives the sanding disc a vibration-free contact with wood. Supplied complete with 6 assorted sanding discs for wood or metal. Shpg. wt., ½ lb.
50 N 238. List, $2.25. **NET**...........1.65

Babco 509 Replacement Discs. Pkg. of 6 sanding discs. Shpg. wt., ¼ lb.
50 N 239. **NET**........................37c

N **Babco 912 Horizontal Drill Stand.** Sturdy one-piece metal drill stand clamps or screws firmly on any bench or shelf. Ideal for converting any ¼" electric drill into a handy bench tool. Increases efficiency in any workshop. Perfect for sanding, buffing, grinding and wire brushing; both hands are free to do the work. A heavy-duty clamp holds drill securely in position on stand; an adjustable nut keeps drill at a level working position. 2 lbs.
50 N 379. List, $2.95. **NET**...........2.17

P **Babco 945 Drill Press Stand.** Drill stand converts any ¼" pistol grip electric drill into a lever operated drill press. Has positive-action locking to hold drill at height selected. Has 2¼" stroke. Drill press head stays in position—only slide moves. Take-up gib on slide maintains precision fit for smooth operation. Handle provides up to 15-to-1 leverage. Leverage is set with thumbscrew adjustment. Adjustable depth stop for drilling holes to identical depths. Shpg. wt., 6 lbs.
50 N 233. List, $13.95. **NET**........10.25

Power Tool Kits—Drill Accessories

COASTAL WIRE WHEELS AND BRUSHES

Wire wheels and brushes for home and servicing uses. For any electric drill or grinder that will accept a 1/4" shaft. Both wheel and cup type brushes are stocked in fine and coarse grades. Type Nos. ending with "C" are coarse. Those ending in "F," fine. Excellent for removing rust and oxide coatings before painting or plating. *Similar to Fig. A, but has shank.

Stock No.	Fig.	Mfr's Type	Dia.	Mtg.	Wt., Oz.	NET EACH
0 N 023	*	91CF	2"	1/4" Shank	4	.59
0 N 024	*	91CC	2"	1/4" Shank	4	.54
0 N 026	*	91EF	3"	1/4" Shank	6	.69
0 N 027	*	91EC	3"	1/4" Shank	6	.67
0 N 028	B	92C	2"	1/4" Shank	4	.89
0 N 029	B	92F	2"	1/4" Shank	4	.99
0 N 200	A	P94F	4"	1/2" Bore	8	.89
0 N 201	A	P94C	4"	1/2" Bore	8	.69
0 N 202	A	P96F	6"	1/2" Bore	12	1.25
0 N 203	A	P96C	6"	1/2" Bore	12	1.03

Muslin Buff. High-quality 6" muslin buffing wheel and bar of jewelers rouge in sealed plastic bag. Ideal for the craftsman or the hobbyist. For buffing and polishing silver, copper, brass, etc. Has 1/2" bore, can be used with arbor listed below. Shpg. wt., 4 oz.
50 N 204. NET........................81c

Muslin Buff. Identical to above, but has 4" diameter. Shpg wt., 3 oz.
50 N 205. NET........................49¢

725 Arbor. For holding wire and buffing wheels shown above Has 1/4" shank, 1/2" body. Can be used with any 1/4" capacity electric drill. Has machined and nickel-plated body. Arbor is packed in clear plastic bag. Shpg. wt., 8 oz.
50 N 206. NET.... ..32c

Bag of 5" Assorted Sanding Discs. Set of 6 sanding discs. Supplied in useful plastic bag. Shpg. wt., 8 oz.
50 N 207. NET.............. .... 23c

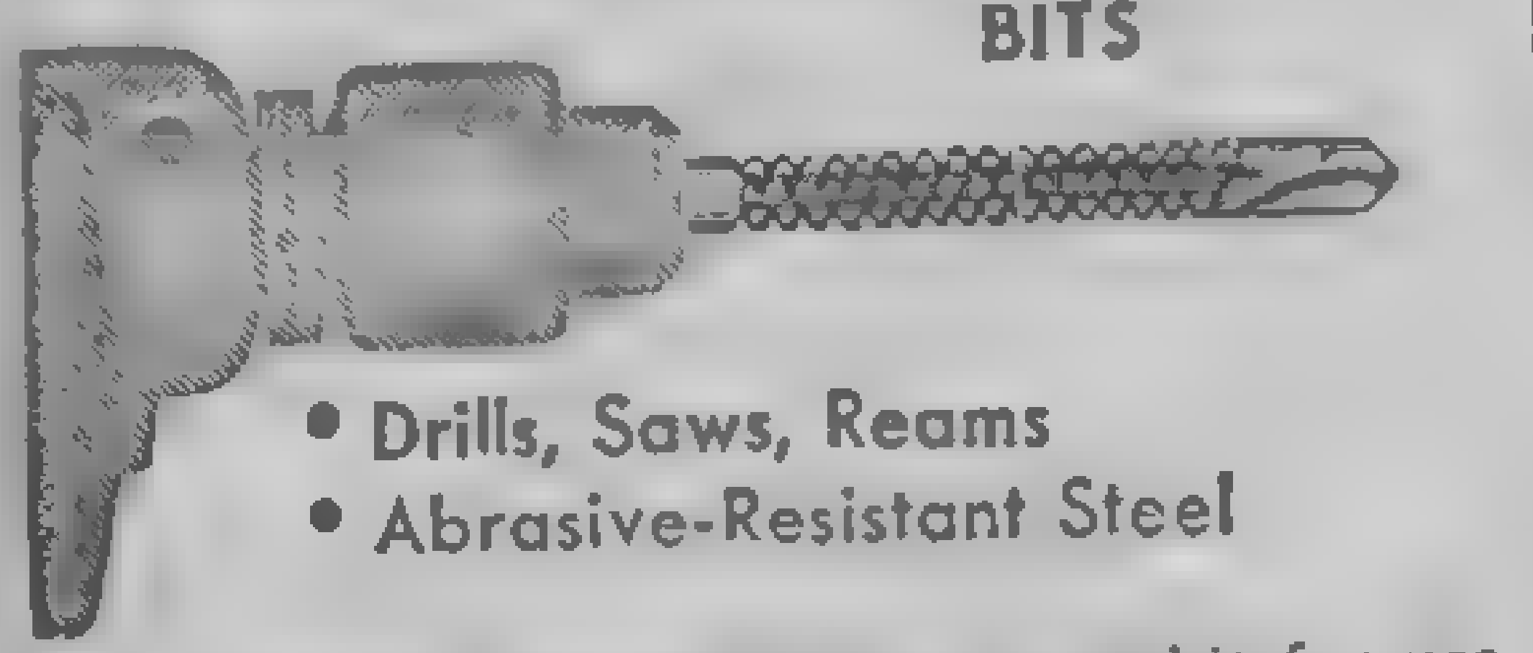
ARCO SCREW-DRILLS

Combination pilot hole drill and countersink. Drills proper size hole for woodscrews indicated; also drills counterbore Adjustable to length of screw. Vanadium steel bit; 1/4" shank. *Wood-screw size. Av. shpg. wt., 2 oz.

Stock No.	Type	*For	1-5, EA.	6-Up, EA.
50 N 010	1106	#6	75c	65c
50 N 011	1108	#8		
50 N 012	1110	#10		
50 N 013	1112	#12		

50 N 014. Set of 4 drills above. 6 oz.
1 to 5 Sets, PER SET................2.84
6 or More Sets, PER SET............2.46

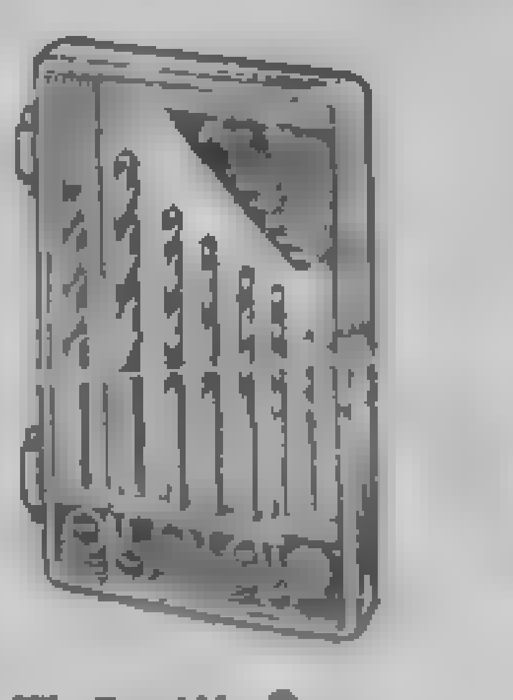
BEAVER HIGH-SPEED SAW DRILL BITS



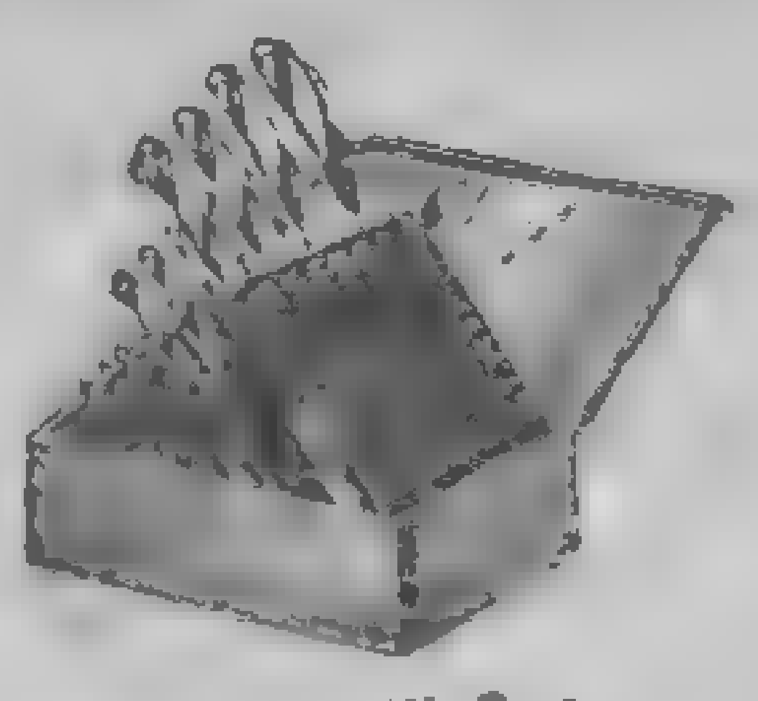
- **Drills, Saws, Reams**
- **Abrasive-Resistant Steel**

A remarkably versatile all-purpose bit for use with any 1/4" or 1/2" electric drill, including drill presses. Made of the finest abrasive-resistant steel, it drills, saws and reams in practically any material. Use it for angle iron, pipe, wood, plastics, sheet metal, radio chassis, rack panels, etc. Easy to use since it drills its own starter hole. Cuts circles, ovals, squares, scrolls and all types of unusual holes. Works on objects too large to put on a jig-saw. An extremely helpful tool for the radio-TV serviceman, woodworker, custom installer, electrician and hobbyist. Excellent for making cutouts in record changer boards, speaker enclosures and equipment panels. Made of finest abrasive-resistant steel to assure long life. Flutes designed for non-clogging operation at high speed. The three models listed below have cutting edges especially shaped for the recommended types of material to be cut. Av shpg. wt., 3 oz.
46 N 795. All-Purpose Bit.
46 N 796. Wood Bit.
46 N 797. Heavy-Metal Bit. NET EACH...1.65

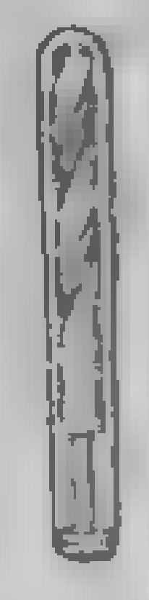
CENTURY "MAGIC BLACK" HIGH-SPEED DRILLS



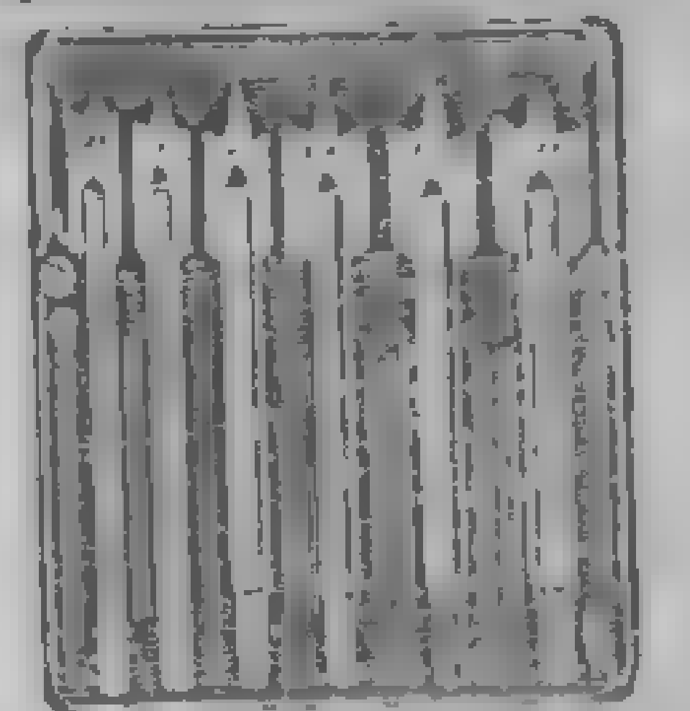
7-Drill Set



13-Drill Set



Drill Only



High-Speed Drills

Masonry Set

Complete assortment of top-quality drill bits. All sets feature special "Magic Black" temper to insure extra long life and keep points sharp longer. Supplied in handy containers.

7-Drill Set. 7 drills, 1/16" to 1/4" in 1/32" graduations Shank sizes same as drill diameters. Supplied in handy, hinged, clear plastic container All units are conveniently indexed so that desired drill bit can be located immediately. Shpg wt., 6 oz.
46 N 784. NET............... .....3.29

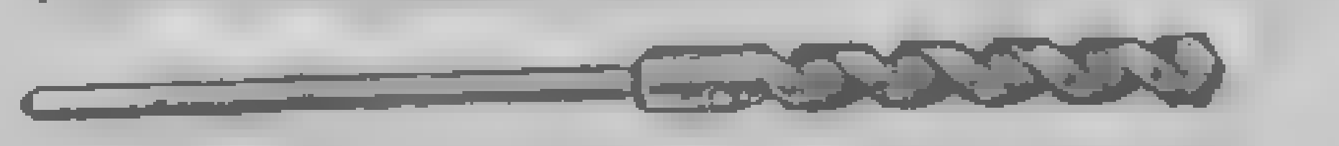
6-Drill Set. Includes 5 drills, 1/4" to 1/2" in 1/16" graduations. Have 1/4" diameter shanks. With handy, indexed container of transparent plastic; drill bits are easily visible for quick selection. Shpg wt., 1 lb.
46 N 785. NET.................... 8.69

13-Drill Set. Includes 13 drills, 1/16" to 1/4" in 1/64" graduations. Packed in Huot Index Drill Case. Opens like a book with every drill instantly accessible and identified. Case size, 4 1/4x2x3/4". Shpg. wt., 9 oz.
46 N 782. NET...... .... 5.44

15-Drill Set. 15 quality drills, 1/16" to 1/2" in 32rds. Sizes over 1/4" have 1/4" shank. Huot Case has space for 14 more drills in 1/64" graduations Case, 7x4x1 5/8". Shpg wt , 3 lbs
46 N 786. NET. 18.95

60-Drill Set. Complete assortment of 60 drills, in drill sizes 1 to 60 Packed in a steel Huot Index Drill Case for protection and maximum accessibility Case opens like book for quick selection of desired bit. Size of case, 4 3/8x3 5/8x2 1/8" Shpg. wt , 1 1/4 lbs.
46 N 717. NET.. .. .. 20.95

LONG-SHANK MASONRY DRILLS



Type L-56. 18" carbide-tipped drill for 1/4" hole With wide flute. Shpg. wt 1 1/4 lbs.
47 N 007. NET............... . ...3.36

Type L-56. As above but for 3/8" hole.
47 N 008. NET... ....4.09

SPECIAL-PURPOSE DRILL BITS

4-Piece Masonry Drill Set. 1/4", 5/16", 3/8" and 1/2". 1/4" shanks fit standard 1/4" electric drills. Carbide tips for drilling concrete, bricks and plaster. In plastic roll. Shpg. wt., 5 oz.
46 N 718. NET.........................3.17

Chrome Steel Drill Bit Set. Set of 5 chrome-alloy steel bits for electric drills For use on aluminum and other soft metals. Sizes, 1/4", 5/16", 3/8", 7/16" and 1/2" Have 1/4" shanks. In hinged, clear plastic box. Shpg. wt., 1 lb.
46 N 787. NET.........................3.18

"MAGIC BLACK" INDIVIDUAL DRILLS

High speed drill bits in sizes from 1/16" to 1/2". Feature "Magic Black" super-hard temper. Sizes over 1/4" have 1/4" shank. Av. wt., 3 oz.

Stock No.	Size	NET	Stock No.	Size	NET
49 N 656	1/16"	.26	49 N 667	15/64"	.70
49 N 657	5/64"	.26	49 N 668	1/4"	.76
49 N 658	3/32"	.27	49 N 669	9/32"	1.02
49 N 659	7/64"	.30	49 N 670	5/16"	1.26
49 N 660	1/8"	.36	49 N 671	11/32"	1.48
49 N 661	9/64"	.36	49 N 672	3/8"	1.83
49 N 662	5/32"	.41	49 N 673	13/32"	2.10
49 N 663	11/64"	.45	49 N 674	7/16"	2.49
49 N 664	3/16"	.52	49 N 675	15/32"	2.85
49 N 665	13/64"	.59	49 N 676	1/2"	3.24
49 N 666	7/32"	.62			

HIGH-SPEED INDIVIDUAL DRILLS

For wood, plastic, thin aluminum sheets, etc. Drills have 1/4" shanks Av. shpg. wt., 3 oz. Supplied in plastic sleeves

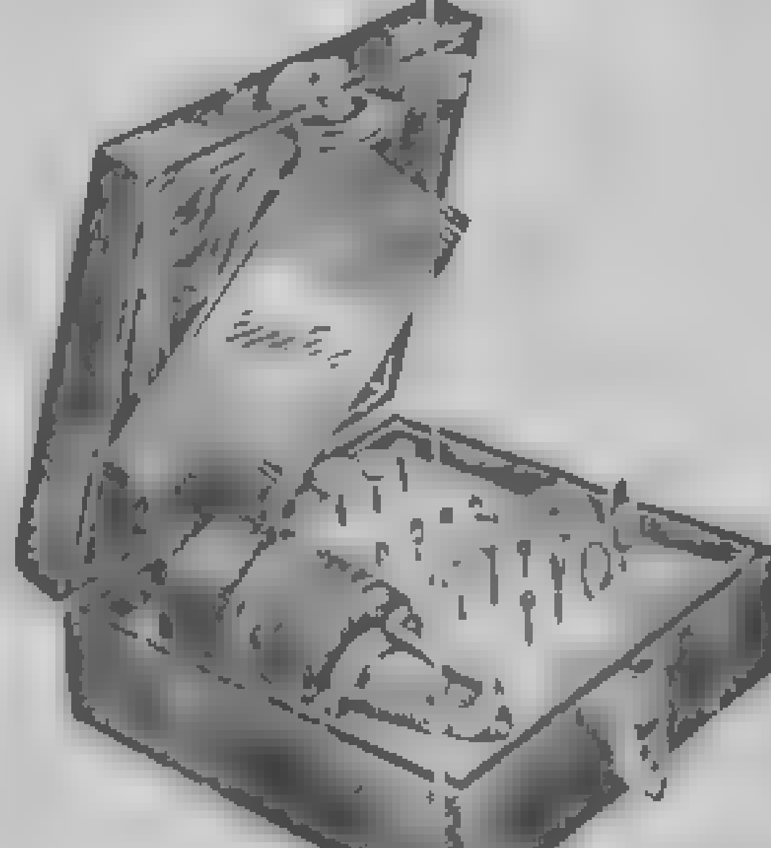
Stock No.	Size	NET	Stock No.	Size	NET
50 N 351	3/8"	73¢	50 N 356	3/4"	89¢
50 N 352	1/2"	76¢	50 N 357	13/16"	92¢
50 N 353	9/16"	85¢	50 N 358	7/8"	92¢
50 N 354	5/8"	85¢	50 N 359	1"	95¢
50 N 355	11/16"	89¢			

6-Piece Hi-Speed Power Bit Set. 3/8", 1/2", 5/8", 3/4", 7/8", 1". For wood, sheet metal, etc. 1/4" dia shanks In plastic sleeves. 12 oz.
50 N 350. NET........................5.10

12" Bit Extension. 1/4". With hex key. 7 oz.
50 N 360. NET........................1.36

VERSATILE POWER TOOL KITS

V-760



G-A-K

No. 2

BURGESS V-760 TOOL KIT

Marking, engraving and craftsman's kit. Ideal for many industrial identification applications as well as servicing and hobbyist uses. Kit includes Burgess Vibro-Tool, ten all-purpose attachments and sturdy steel storage case. Extremely compact and easy-to-carry Uses include: jewelry engraving; tool and instrument marking; decorating and engraving metal and glass; embossing metal; marking bottles and glass slides; copper and steel plate etching; leather tooling and cutting, etc For 110-120 volt, 60 cycle AC. Shpg wt , 3 1/2 lbs.
46 N 290. List, $14 95 **NET**.. ......9.77

THOR G-A-K TOOL KIT

Low-cost, 28-piece power tool kit Speedway SpeedGrinder has powerful AC-DC 20,000 rpm motor; self-aligning bronze bearings Slide-type switch Ideal for precision cutting and grinding of intricate parts. Kit includes: 4—grinding stones; 4—cutting burrs; 3—brushes; 1—polishing tool; 2 mandrels; and 12 sanding discs. With case and manual. For 110-120 v., 60 cycle AC or DC. 2 1/2 lbs.
46 N 365. List, $17.95. **NET**........12.56

DREMEL MOTO-TOOL KITS

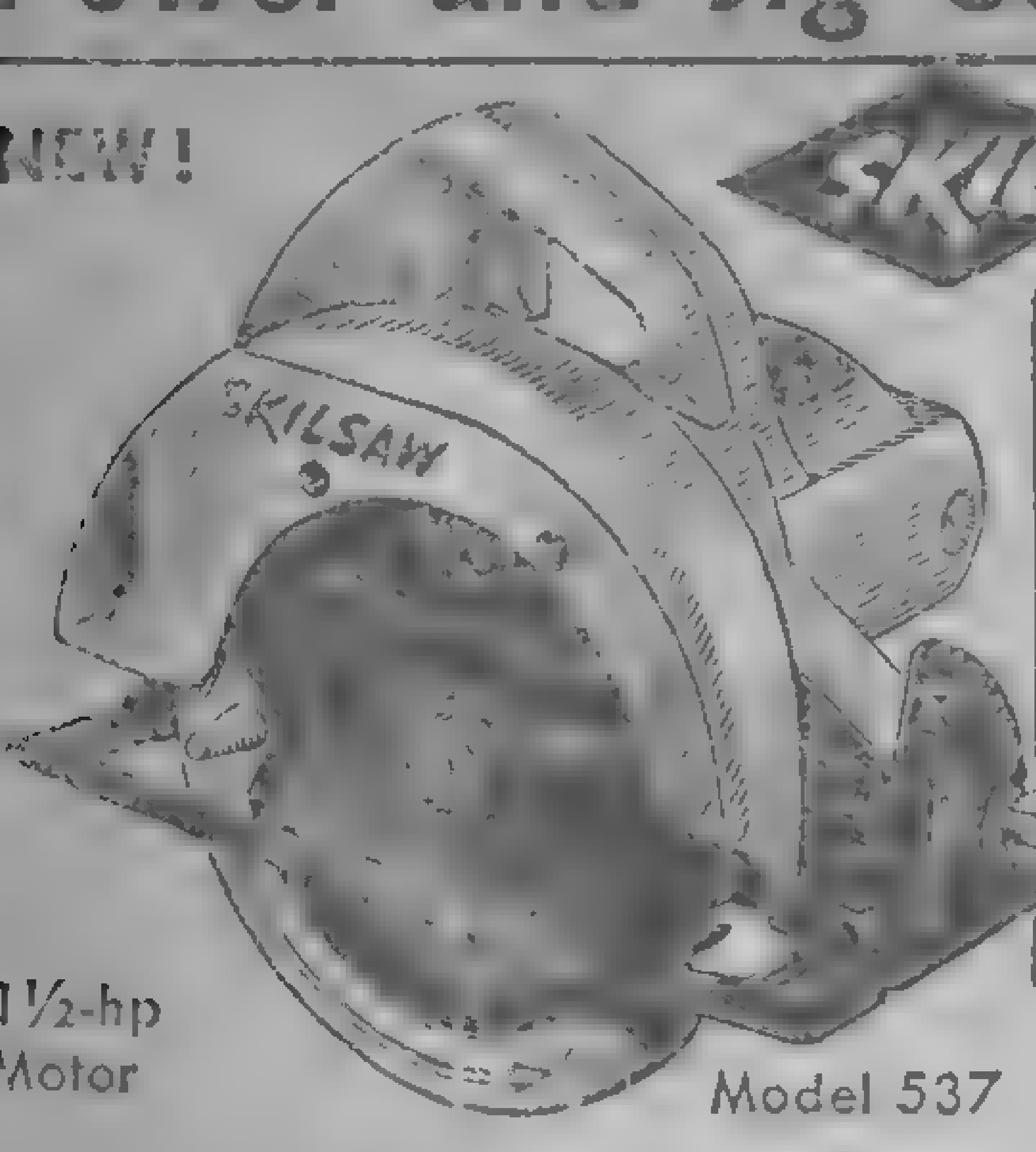
Moto-Tool Kit No. 2. Offers a powerful tool for heavy-duty jobs. Features a sturdy, 27,000 rpm rotary motor—operates dependably under long periods of continuous use. Self-aligning bearings are mounted in felt oil retainers—minimizes oiling. Attachments include: quick-action chuck and 3 collets; finger-grip; 4 emery wheel points; dressing stone; 8 high-speed steel cutters; high-speed steel saw; 5 bristle brushes; steel brush; shoulder mandrel with sanding disc; screw mandrel with felt wheel; drum sander. Complete with compact steel carrying case. For operation from 110 120 volts, AC or DC. Shpg wt., 4 lbs.
46 N 378. List, $27.50. **NET**........20.53

Moto-Tool Kit No. 1. Similar to above, but for light capacity work. Includes: chuck and 3 collets; 8 high-speed steel cutters; 4 emery wheel points; 3/8" drum sanders; dressing stone; 4 mandrels; 3 bristle brushes; 3 cut-off wheels; 2 polishing wheels; 5 sanding and polishing accessories; steel carrying case. For 110-120 v., AC or DC. 3 1/2 lbs.
46 N 377. List, $23.50. **NET**........17.53

Power and Jig Saws

NEW!

POWER SAWS

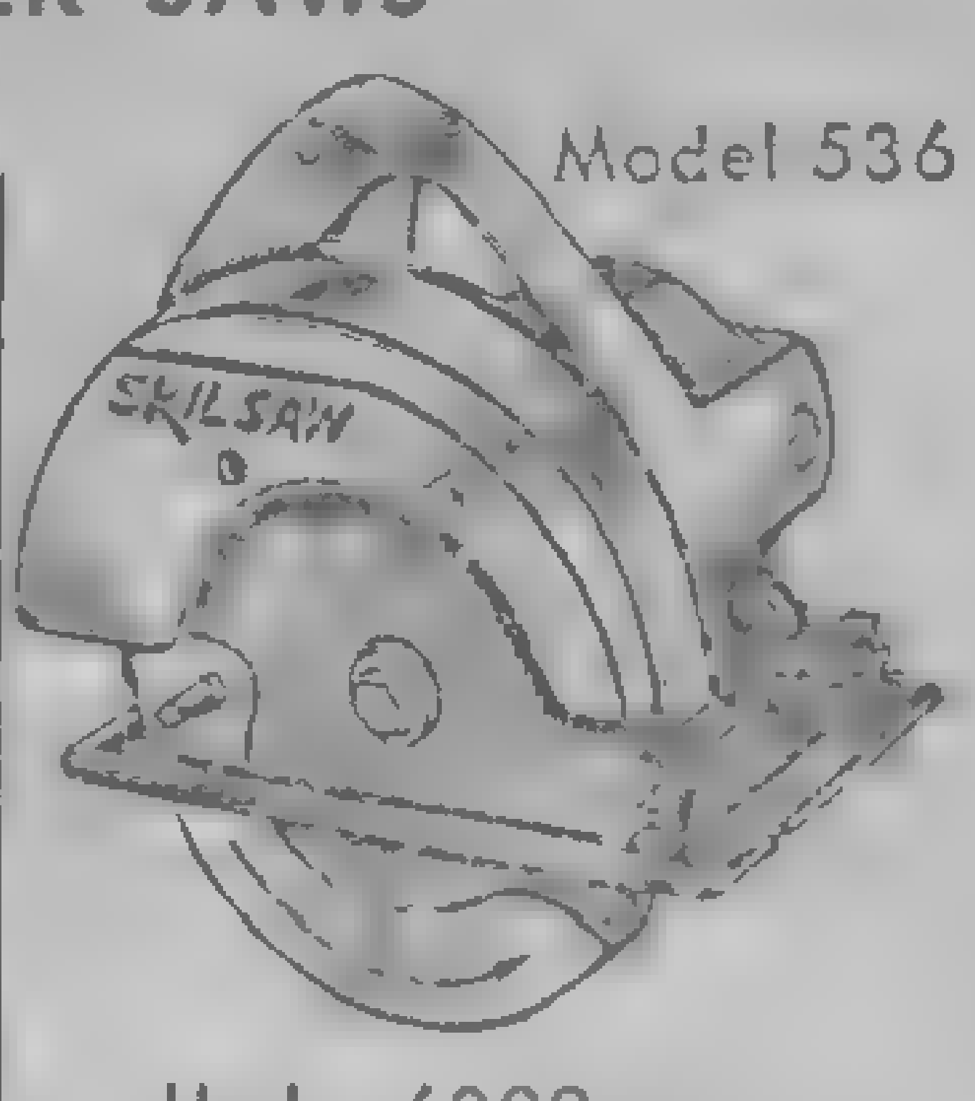


1½-hp
Motor

Model 537

Buy these saws on Allied's Easy Pay Plan

Pay only $2 Down



Model 536

Husky 6300 rpm
1-hp motor—variable
torque clutch

MODEL 537 7¼″ SAW

A new heavy-duty saw from Skil incorporating all the quality and design features that have helped to make Skil power saws popular in home workshops and in industry. Use this super-powered saw to speed up construction on that extra room, garage, porch or any other major building project.

Big, powerful 10-amp motor delivers over 1½ horsepower—more than enough power to handle the toughest lumber-cutting jobs. Giant 7¼″ blade cuts 2″ lumber at 45° even after several sharpenings. Important features include: exclusive sawdust ejection system for blowing dust away from operator and line of cut; exclusive blade lock for fast, safe blade changes; "vari-torque" clutch disengages saw shaft if blade binds or jams while cutting, for protection against "kick-back" and motor burn-out; conveniently located depth control for firmly locking saw at any desired cutting depth; full-view blade for high precision and accuracy during every application.

Also features bind-free lower guard. When saw base is tilted, guard automatically retracts allowing bind-free starts even on compound miter cuts. No-load speed is 5400 rpm. Momentary contact switch is built into safety retractor handle. Depth of cut: at 90° 2⅜″; at 45°, 1⅞″. Complete with combination blade, blade wrench, 3-wire cord and connector. Overall length, 12″. For operation from 110-120 volts, AC or DC. Shpg. wt., 17½ lbs. *Only $2 Down.*
50 NX 486. List, $59.95. **NET**.. ..**44.95**

MODEL 536 6½″ SAW

Famous the world over for its many deluxe features and attractive price, the Skil Model 536 is popular with home craftsmen and professional builders everywhere. Efficient 1-hp motor delivers substantial power.

Variable-torque clutch provides built-in motor protection—saw shaft spins free if blade binds or jams in cut. Telescoping lower guard shields blade; retracts as blade enters cut. 6½″ blade cuts 2³⁄₁₆″ deep at 90°; 1¾″ at 45°. ⅝″ round arbor. Equipped with safety retractor handle; enclosed momentary contact trigger switch; all-sleeve bearings.

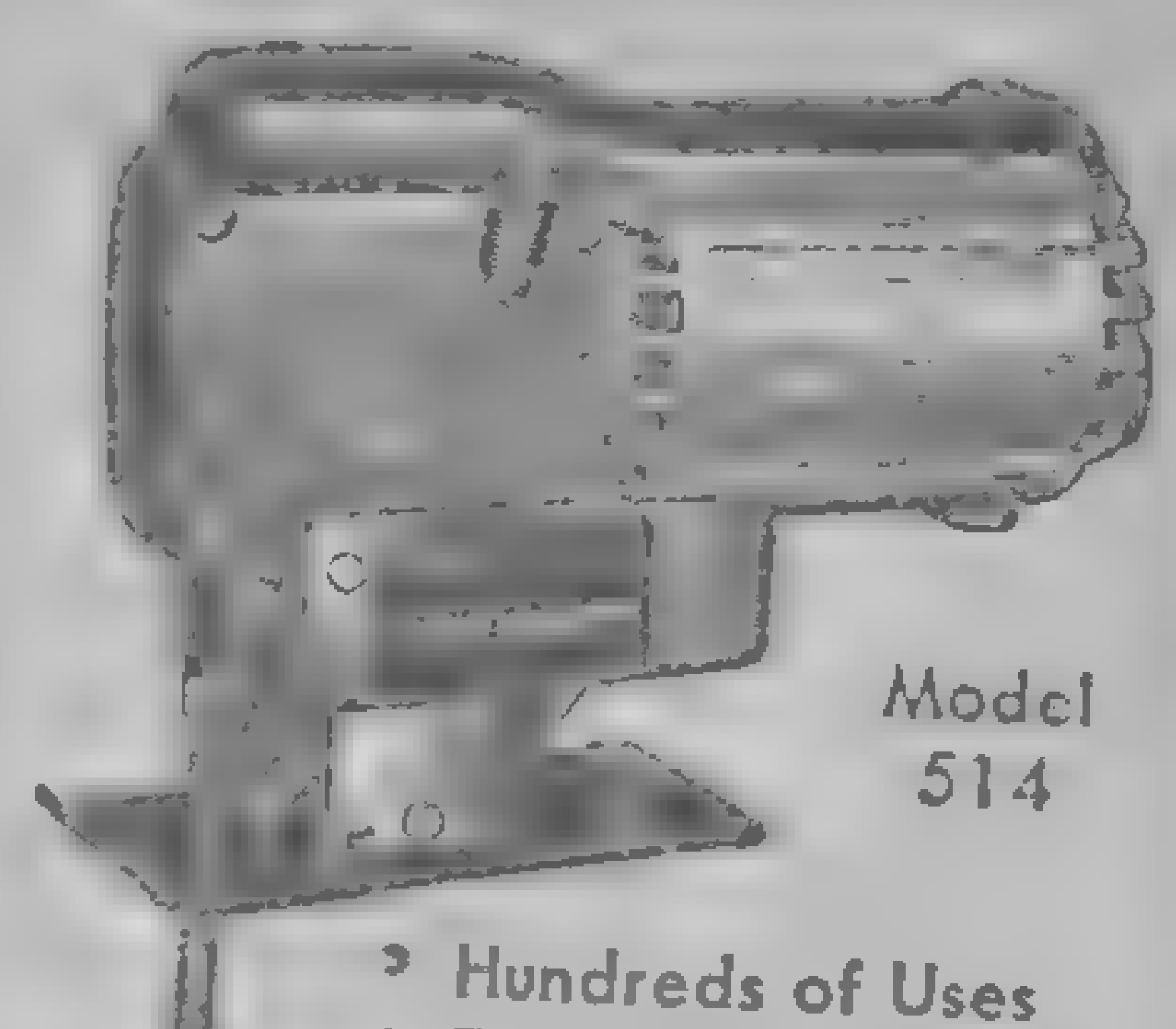
Easy-to-read bevel calibrations allow accurate, adjustable bevel-cut setting from 0° to 45°. Overall length 9½″. Included are combination blade, blade wrench, 2-wire cord and connector. U.L. Approved. For 110-120 volts, AC or DC. Wt., 12 lbs. *$2 Down.*
45 NX 224. List, $49.95. **NET**......**37.29**

Model 17984 Rip Fence. For Model 536 saw above. Shpg. wt., 4 oz.
50 N 278. List, $2.95. **NET**..........**2.34**

Model 576 Saw Table. Converts Models 536, 537, 553 to bench saws. 21x16⅜″ top. 14″ high. By adjusting blade height, can be used for grooving, notching, dadoing. Adjustable miter and rip guides. Shpg. wt., 15½ lbs.
45 NX 226. List, $19.95. **NET**.......**14.89**

Model 18606 Steel Carrying Case. For 536 saw. 11x11x12¼″. Shpg. wt., 8¼ lbs.
45 NX 225. List, $16.00. **NET**........**11.95**

SKIL ORBITAL-ACTION JIG SAW



Model 514

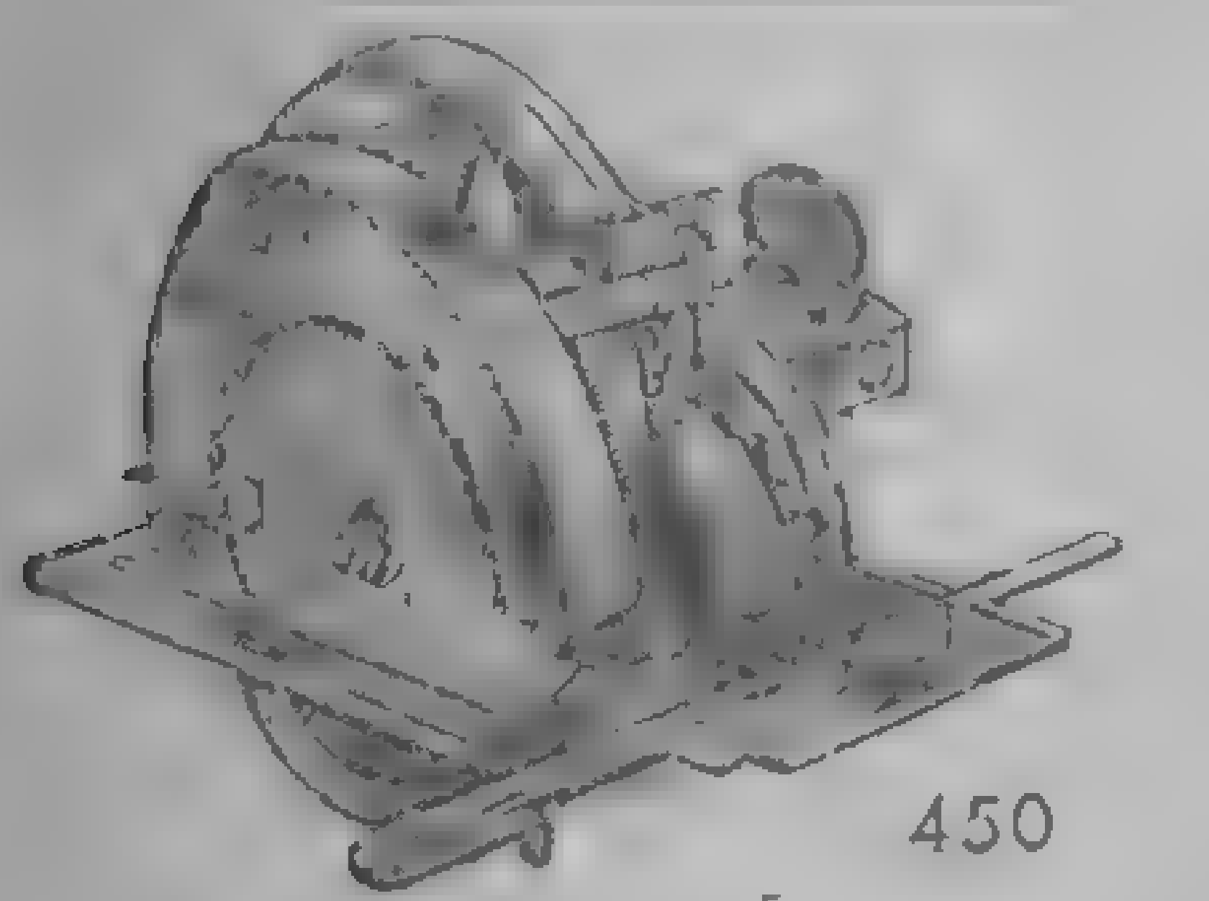
- Hundreds of Uses
- For Home or Shop
- Weighs Only 3¾ lbs.

Value-priced, yet built to give years of reliable service, the Model 514 offers ultra efficient orbital cutting action for both fast cutting and absolute minimum blade wear. Exclusive "roller-follower" feature gives blade added rigidity; provides extra support and guides blade while cutting.

A useful multi-purpose saw for any craftsman for straight cuts, rips, scrolls, notches. Will cut intricate patterns easily and fine decorative curves accurately including inside curves and cutouts. Use it for starting [illegible] for pocket cuts—no need to drill a hole in stock. Powerful ½″ stroke cuts practically any material including 2″ lumber, plywood, plastics, and metal; produces fast, professional looking results. Features 4000 rpm no-load speed, ball thrust and [illegible] sleeve bearings throughout; single-pole toggle switch. Noted for easy handling, this saw weighs only 3¾ lbs. Equipped with 3-wire cord and connector, blade wrench, 3 jig saw blades. Length, 9″. 2 amps. For 110-120 v., AC, DC. Shpg. wt., 5 lbs. *Only $2 Down.*
50 NU 074. List, $39.95. **NET**..**29.99**

REPLACEMENT BLADES

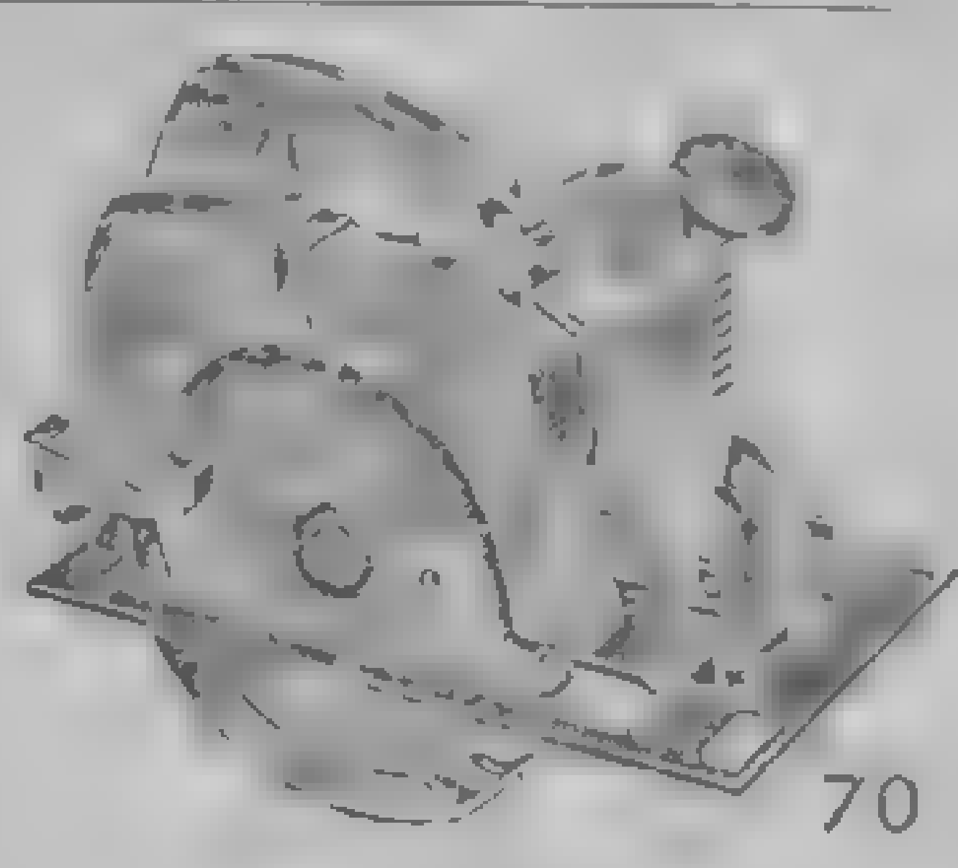
Stock No.	Type	Use For	Blade	Lbs.	Set of 5
50 N 445	[illegible]	Heavy wood	Coarse	½	3.72
50 N 446	[illegible]	Wood & plastic	Fine	½	3.72
50 N 447	[illegible]	Thin wood	Fine	½	3.72
50 N 449	[illegible]	Roughing cuts	Coarse	½	2.16
50 N 449	[illegible]	Finishing cuts	Fine	½	2.16



450

POWER SAWS

Industrial-rated, heavy-duty saws for home or shop



70

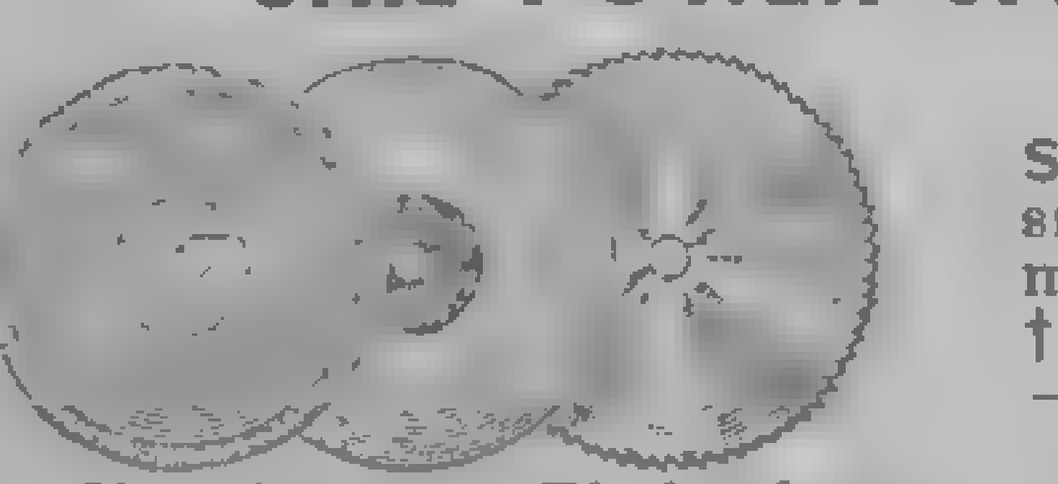
MODEL 450 6½″ SAW

A heavy-duty, power hand saw meeting all professional requirements—ideal for home use too. Rugged 1¼-hp (9 amp) motor has no-load speed of 5500 rpm. Automatic blade guard with lifter handle for plunge cuts; exposes only portion of blade required while cutting. 6½″ blade cuts to 2⁵⁄₁₆″ depth at 90°; 1¹¹⁄₁₆″ at 45°—cuts "2-by-4's" at 45°. Minimum depth of cut ⅛″. Graduated angle adjustment easily set to any angle between 90° and 45°. Momentary-action trigger switch with locking pin and guard. With combination blade, 10-ft. cord with ground wire. Universal motor, ⅝″ round arbor, adjustable rip guide. U.L. Approved. For operation from 110-120 v., AC or DC. Wt., 15 lbs. *$2 Down.*
46 NX 788. List, $49.95. **NET**......**34.97**

SPEEDWAY MODEL 70 7″ SAW

10-ampere motor provides 1.5-hp for both home and workshop use. Tackles the most rugged jobs with ease. Features heavy-duty motor, 6000 rpm speed. Built-in calibrator for 0° to 45° cutting; gives easy, fast-locking "one-point" adjustment. Smooth, effortless cutting even through a "2x4", yet this low-cost saw is lightweight and perfectly balanced. Cuts 1¾″ stock at 45° and 2⅛″ at 90°. Safety slip-clutch avoids motor burnout, excessive wear on gears and bearing; gives extra safety against saw "kick-back." Telescopic guard shields blade—automatically retracts as blade enters work. Wide range cutting vision. With 7″ combination blade, all-purpose blade. For 110-120 v., AC-DC. Wt., 17 lbs. *$2 Down.*
50 NX 274. List, $36.00. **NET**......**26.66**

SKIL POWER SAW BLADES



Skil Perma-Grit Blades. Speed cutting time and decrease chance of accidental damage. Will not chip thin veneer, plywood, masonite, fiberglas, etc. Blades last for years—never need sharpening. *For sawing; †For sanding.

Stock No.	Type	Fits Saw	Wt.	NET
45 N 212	*19511	536	12 oz.	2.84
45 N 246	*19512	537	1¼ lbs.	2.86
45 N 214	†20155	536	¾ lb.	3.54
45 N 247	†20156	537	1 lb.	4.30

Steel Alloy Blades. Highly dependable, smooth-cutting blades. Special nickel, chrome, molybdenum steel alloy. *Fits ⅝″ round arbor. †Fits diamond arbor. Shpg. wt., ¾ lb.

Stock No.	Blade Type	Fits Saw	NET EACH 1-5	NET EACH 6-Up
45 N 217	*6½″ Combination	536	1.64	1.48
45 N 239	*7¼″ Cross Cut	537		
45 N 219	*6½″ Cross Cut	536		
45 N 240	*7¼″ Rip	537	1.64	1.48
45 N 221	*6½″ Rip	536		
50 N 327	*7¼″ Combination	70, 537		
50 N 007	†6½″ Combination	450		

SKIL PERMA-GRIT TOOLS

HAND SANDER KIT

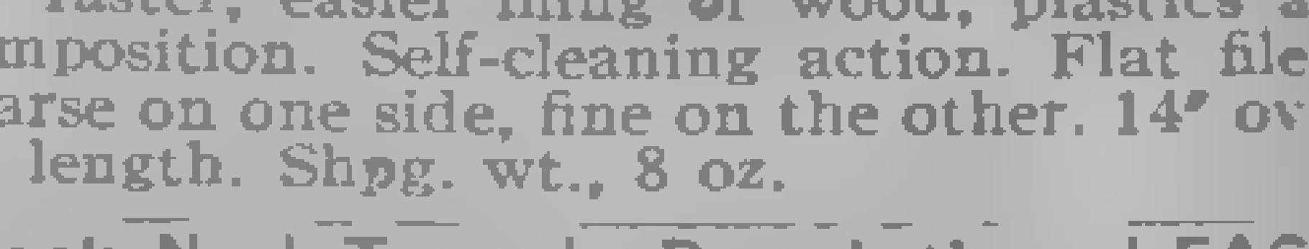
Outlasts Hundreds of Sandpaper Sheets

Skil hand sander featuring remarkably efficient Perma-Grit sanding sheets. Tungsten-carbide grit cuts faster and easier than sandpaper. Grit resists clogging. With one fine and one medium coarse sheet. 2¾x5¼″ sanding surface. Shpg. wt., 1¼ lbs.
50 N 061. List, $2.25. **NET**..........**1.64**

Extra Sheets. For above. Shpg. wt., 3 oz.

Stock No.	Type	Description	EACH
50 N 150	18764	Very fine	.79
50 N 151	18973	Fine grit	
50 N 152	18982	Medium	
50 N 153	18763	Coarse	

PERMA-GRIT FILES



Feature Perma-Grit tungsten-carbide abrasive for faster, easier filing of wood, plastics and composition. Self-cleaning action. Flat file is coarse on one side, fine on the other. 14″ overall length. Shpg. wt., 8 oz.

Stock No.	Type	Description	EACH
50 N 062	18730	Flat file	1.07
50 N 063	19859	Contour, coarse	
50 N 064	19860	Contour, fine	

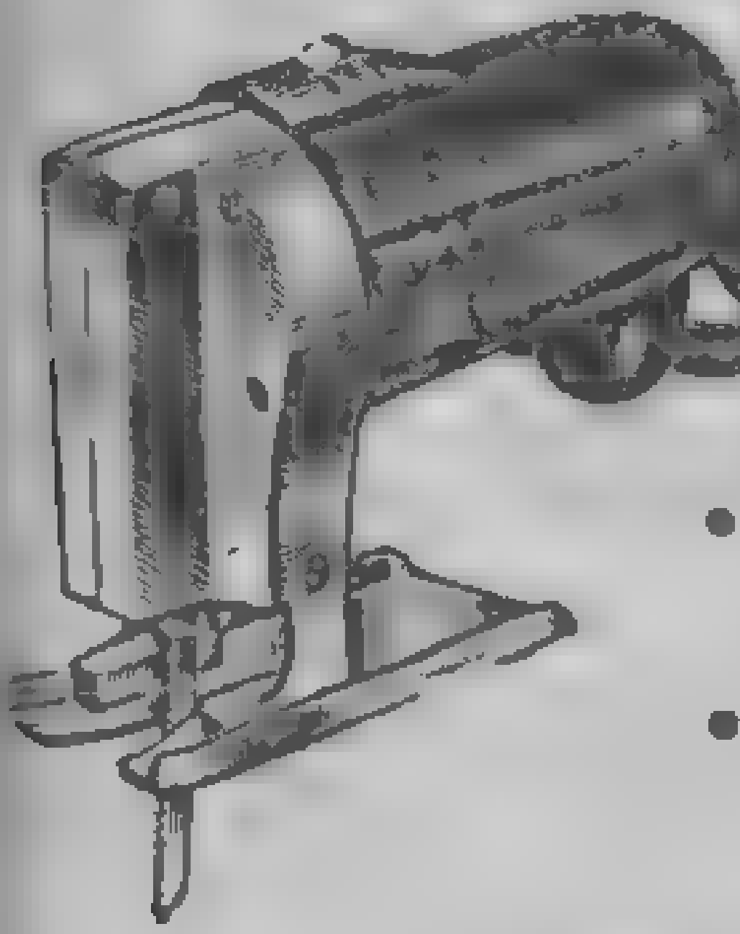
PERMA-GRIT SAND SHEETS

Long life tungsten-carbide sand sheets for electric oscillating sanders. Standard 3⅝x9″. Conveniently pre-formed. Shpg. wt., 5 oz.

Stock No.	Type	Description	EACH
50 N 154	18700	Fine	1.13
50 N 155	18701	Medium	
50 N 156	18702	Med. Coarse	
50 N 157	18703	Coarse	
50 N 158	18704	Very fine	

Jig Saws and Power Sanders

WEN 505 SABRE SAW



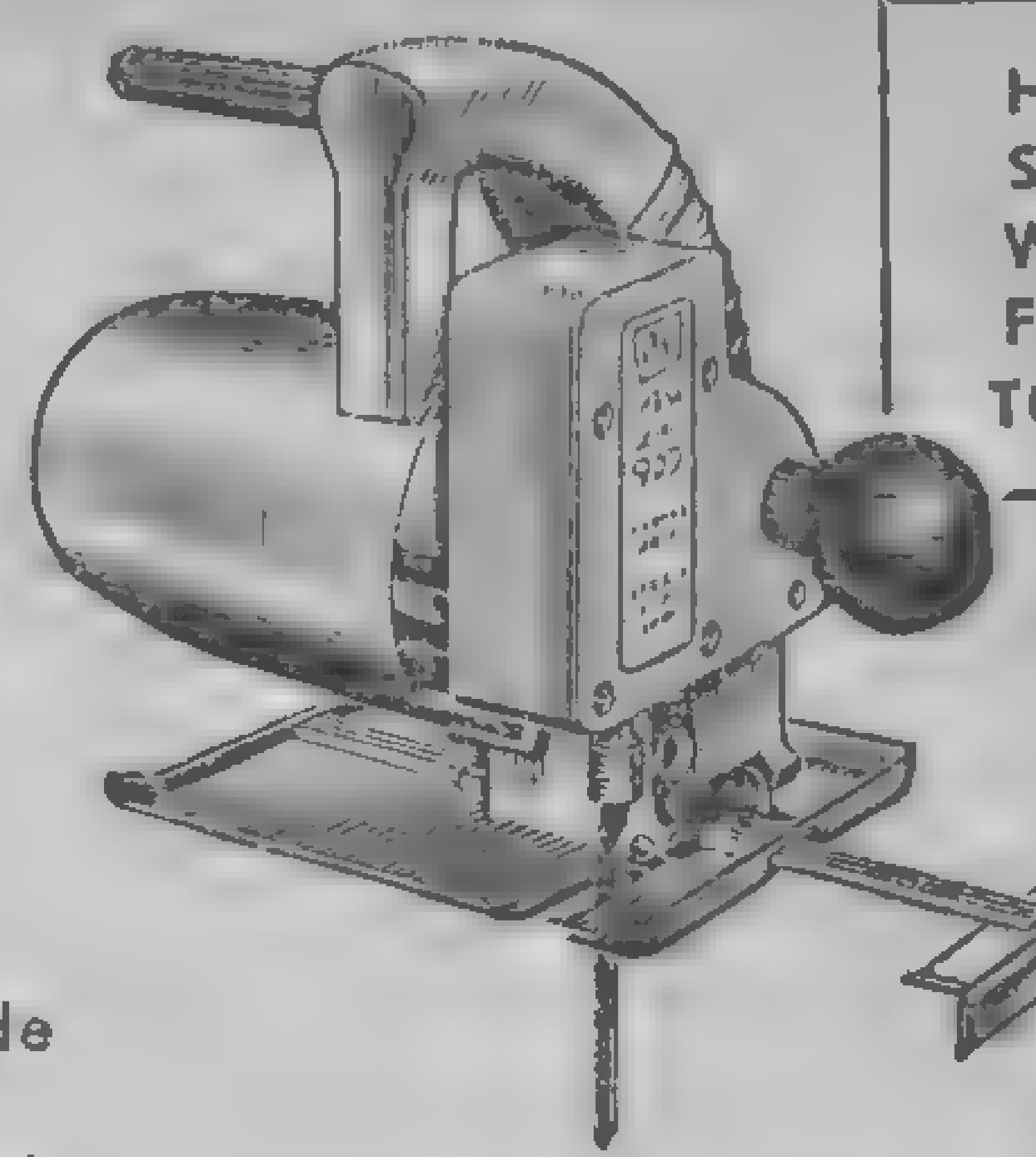
- Versatile—8 Saws in One
- Powerful 1.8 amp Rotary Motor

A versatile power saw for shop or home use. Has universal 1.8 np rotary motor for delivering 2650 strokes r minute under load; power to spare for mak- g short work of those extra tough cuts. ength of stroke, ⅝". This deluxe unit is actu lly 8 saws in one—can be used as a rip saw, oping saw, band saw, crosscut saw, scroll saw, g saw, hacksaw, and keyhole saw for profes- nal looking carpentry, electrical or cabinet rk. Cuts any material including ½" cold- lled steel and 2x4 lumber. Makes all sorts of tricate cuts including starting holes and in- le cuts. Air stream keeps guide line free of ust. With 6-ft. cord; fine, medium and coarse aw blades. Length, 6¾". U.L. Approved. For peration from 110-120 volts, AC or DC. Shpg. t., 4 lbs. *$2 Down.*
6 N 362. List, $26.95. **NET**.........19.81

6 N 363. **Extra Set of 3 Blades.** Same as th 505 saw. 4 oz. List, $1.20. **NET**... .82¢

WEN 505K SABRE SAW KIT. Includes lodel 505 saw and 3 blades, described above; lus a blade for non-ferrous metals and one for errous metals and a sturdy metal carrying case. Shpg. wt., 6½ lbs. *$2 Down.*
45 N 899. List, $29.95. **NET**.........22.01

Equipped with rip guide and circle cutter for straight and pattern work



HANDLES ALL SAWING JOBS WITH EASE . . . FROM 6" LOGS TO SCROLL WORK

Powerful Heavy-duty, ½-hp motor

WEN 909 "ALL-SAW". An extra-powerful, heavy-duty saw for every kind of sawing. Has circle gauge for easily cutting arcs and perfect circles. Cuts curves, straight cuts, or fine pattern work in masonite, bakelite, wood, metals, tiles, formica, wallboard, plexiglass, plasterboard, asbestos. Cuts all metals—from thin gauge to ½" thick. This fast-cutting saw even cuts logs up to 6" in diameter, makes 90° cuts in 6x6's, 45° cuts in 4x4's, and cuts 2" pipe. Curved foot plate enables saw to start its own inside cut anywhere. Features ½ hp, 6-ampere motor, finger control trigger switch, heavy-duty hardened gears. Cutting blade in line-of-sight for high accuracy on critical cuts; air stream keeps line of cut clean. Superbly balanced for easy handling. Has easily adjustable rip guide. With 8-ft. 3-wire cord and adapter, 7 different blades, circle cutter, 45° tilting base plate. 7½x7x8" U.L. Approved. For 110-120 v., AC, DC. 8¼ lbs. *$2 Down.*
50 N 236. List, $44.95 **NET** 33.05

MODEL 9T2 SAW TABLE ONLY. With protractor, jointer, circle cutter, rip fence, front switch. 18x18x8½". Shpg. wt., 14 lbs.
50 NX 320. List, $14.95. **NET** 10.99

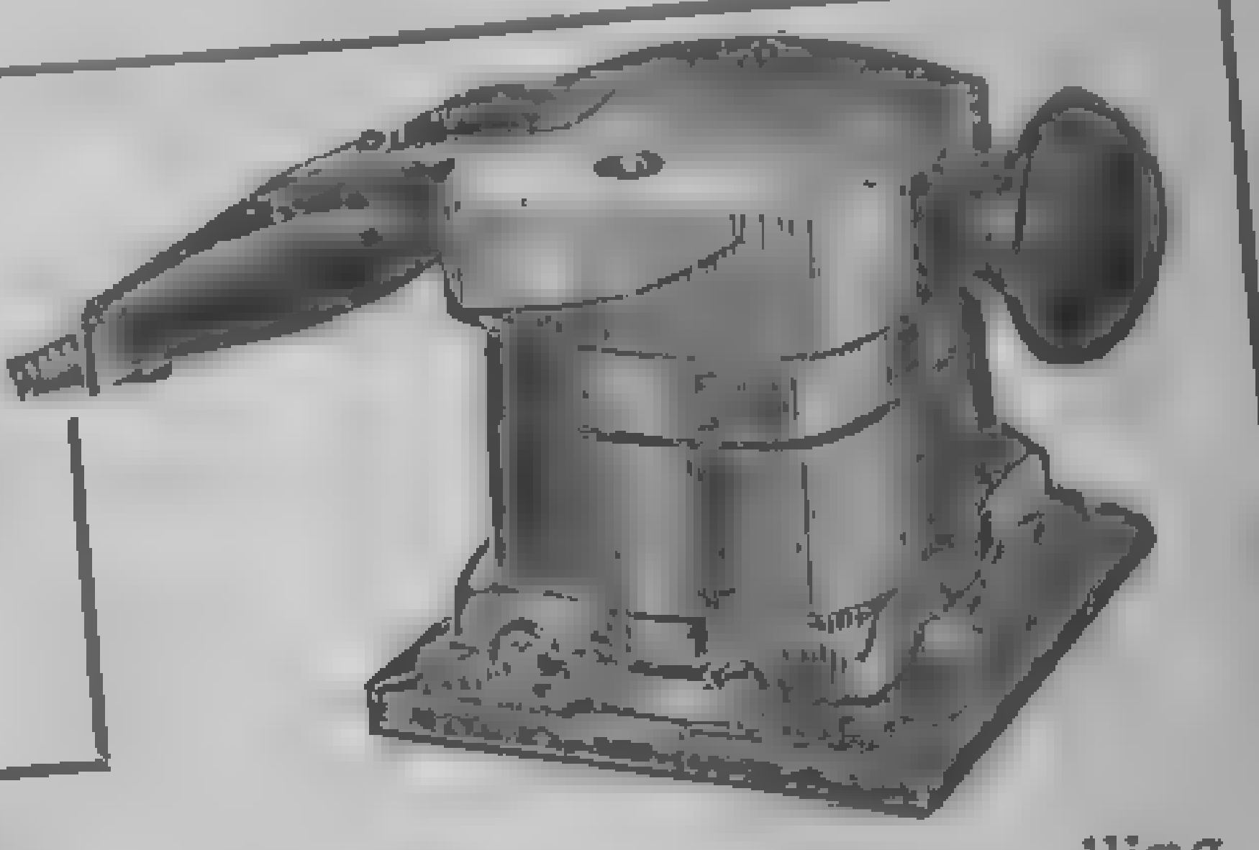
MODEL 900 REPLACEMENT BLADE SET. 7 assorted blades Including coarse, medium and fine. Shpg. wt., ½ lb.
50 N 237. List, $3.40. **NET**..2.33

Thor POWER SANDERS

MODEL 16 SPEED-SANDER

- High Speed
- Heavy-Duty Motor
- Orbital Type

This powerful, orbital sander has been designed to make easy work of all heavy-duty sanding jobs. A valuable addition to any workshop; useful for hundreds of sanding jobs plus buffing and polishing. Compact, lightweight, well balanced design makes this sander ideal for vertical and overhead sanding jobs. Has rugged 6200 rpm motor; sealed and shielded factory lubricated ball bearings for smooth operation and long life. Sanding surface: 4½x5½" with 3⁄16" orbit. Requires 4½x6½" sandpaper. Convenient "off-on" slide switch located on handle. Durable cast-aluminum body. 5¼x4½x9½". With 10-ft. 3 conductor cord. For 110-120 volts, AC or DC. Shpg. wt., 8 lbs. *$2 Down.*
47 N 097. List, $34.95. **NET**............................23.98



Lightweight aluminum body—polished ball bearings

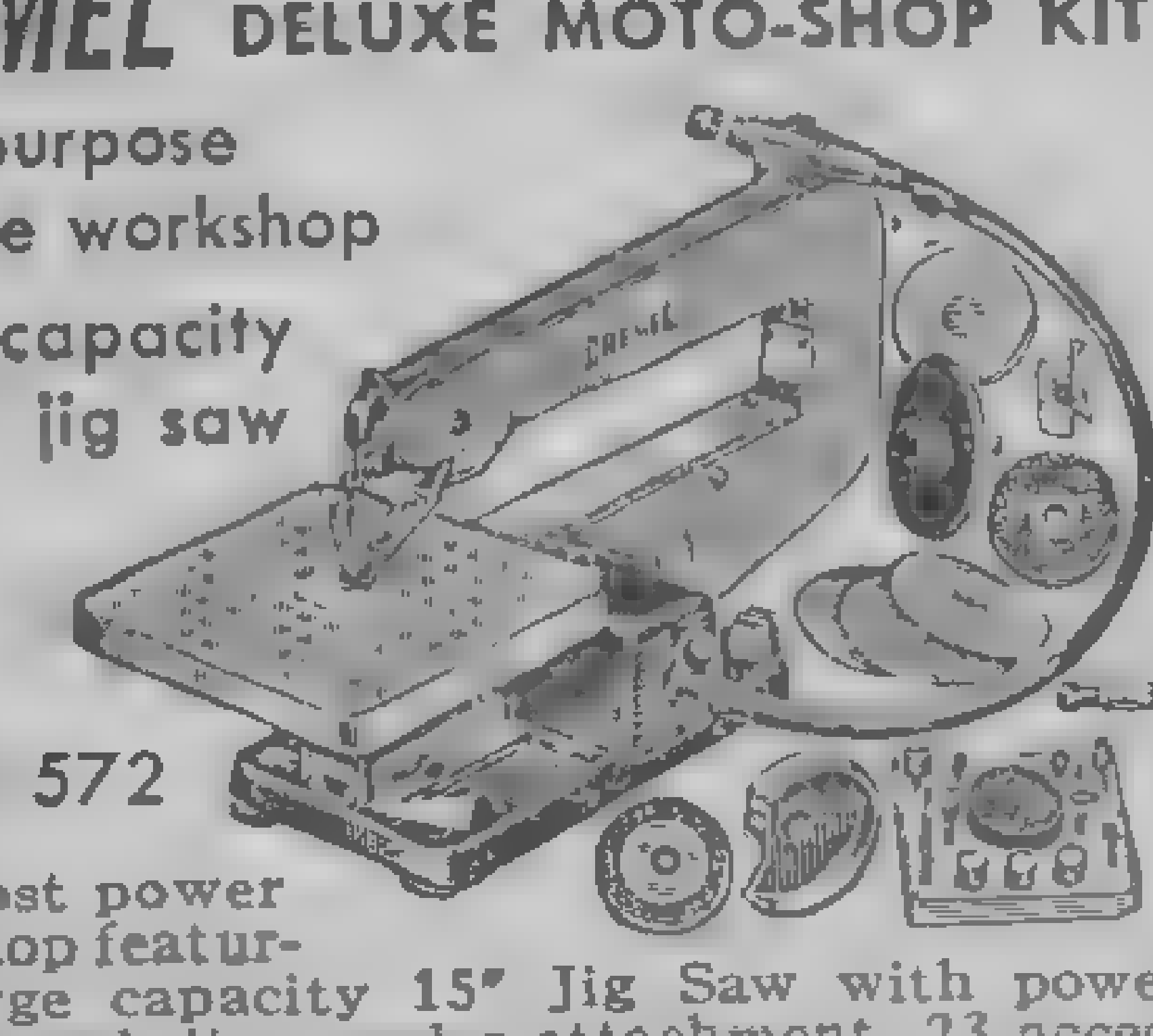
MODEL 150 SANDER

This highly versatile unit is one of the world's fastest selling sanders. Deluxe features, low-cost combine to make this sander a top-value. Has orbital motion and large sanding surface for rough sanding as well as smooth finishing. Sands, finishes or polishes vertically or horizontally. Functional styling permits long periods of use without fatigue. Can be used with wet or dry abrasives. Powerful 2 pole 3450 rpm motor. Sanding area: 4½x5⅛" with 3⁄16" orbit. Requires 4½x6½" sandpaper. Size, 4¼x4½x9". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 7 lbs.
46 N 375. List, $24.95. **NET**..........................17.12

DREMEL DELUXE MOTO-SHOP KIT

Multi-purpose home workshop

Large capacity 15" jig saw



Model 572

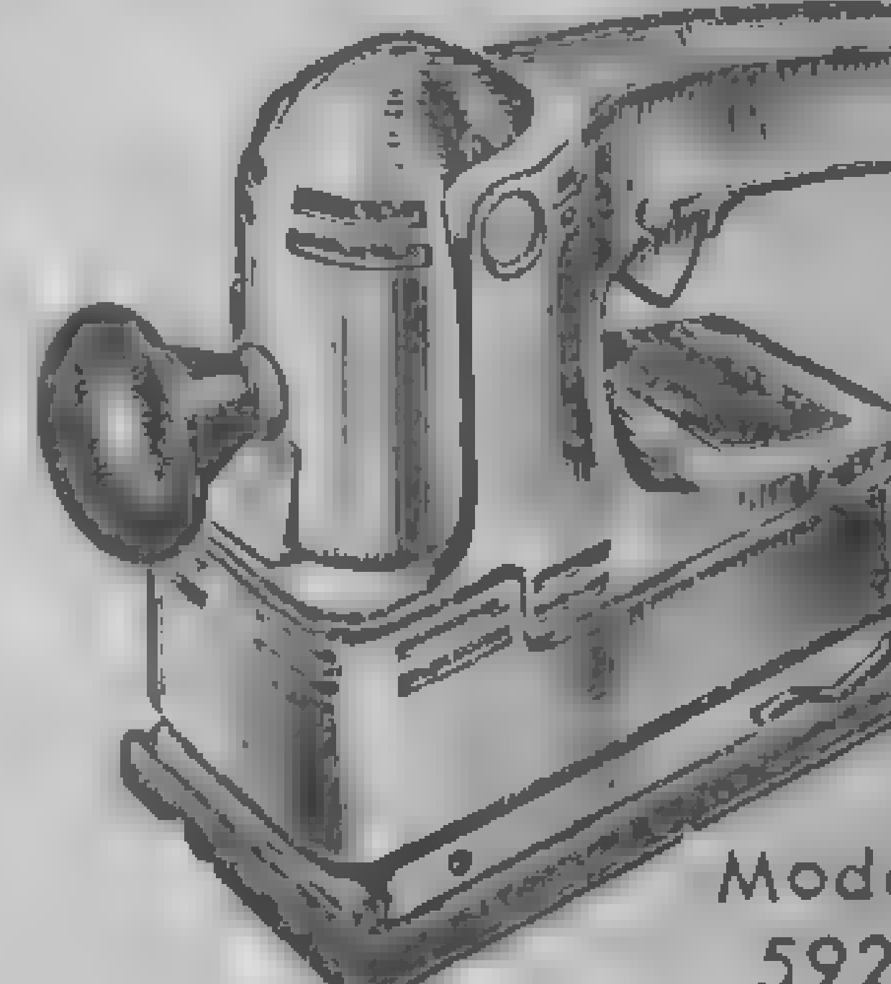
Low-cost power workshop featuring large capacity 15" Jig Saw with power takeoff and disc sander attachment. 23 accessories for complete versatility—thousands of applications for home and hobby shop. Rocker action saw has tilting table, 3450 rpm rotary motor, blade guard. Flexible plastic shaft adapts to hand—grinds, drills, carves, sharpens, etc. Accessories include: plastic handpiece; rubber backing pad and adapter; 3 sanding discs; grinding wheel; cloth buffing wheel; wire brush wheel, wheel guard, adapter, polishing compound stick. Kit has 12 piece set for use with flexible shaft. Contains abrasive wheels, collet adapters, router, brush, drill. Saw handles any job—from intricate scroll work to full-size furniture. Completely portable. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 17 lbs. *$2 Down.*
46 NX 952. List, $49.95. **NET**......37.30

SKIL POWER SANDERS

MODEL 592 ORBITAL SANDER

Highly versatile orbital sander. The ideal electric sander for the professional wood craftsman, or the do-it-your-self hobbyist. Can be used for coarse or fine-finish sanding; also for polishing and buffing with the polishing pad listed below. Shape of sanding surface allows sanding all the way up to vertical edges and into inside corners. Powerful rotary motor delivers 5500 rpm and is practically stall-proof. Die-cast aluminum alloy housing is lightweight and rugged. Trigger-type switch has convenient "lock-on" button. Extra handle facilitates added pressure and better control when sanding rough surfaces. Less sanding sheets. Uses standard 3⅝x9" sheets. 6½x9⅝x3⅝. For 110-120 v., AC or DC. Shpg. wt., 7 lbs. *$2 Down.*
50 NX 079. List, $49.95 **NET**.....................37.30

Polishing Pad. For above. Wt., 3 lbs.
50 N 096. List, $1.50. **NET**..........................1.12

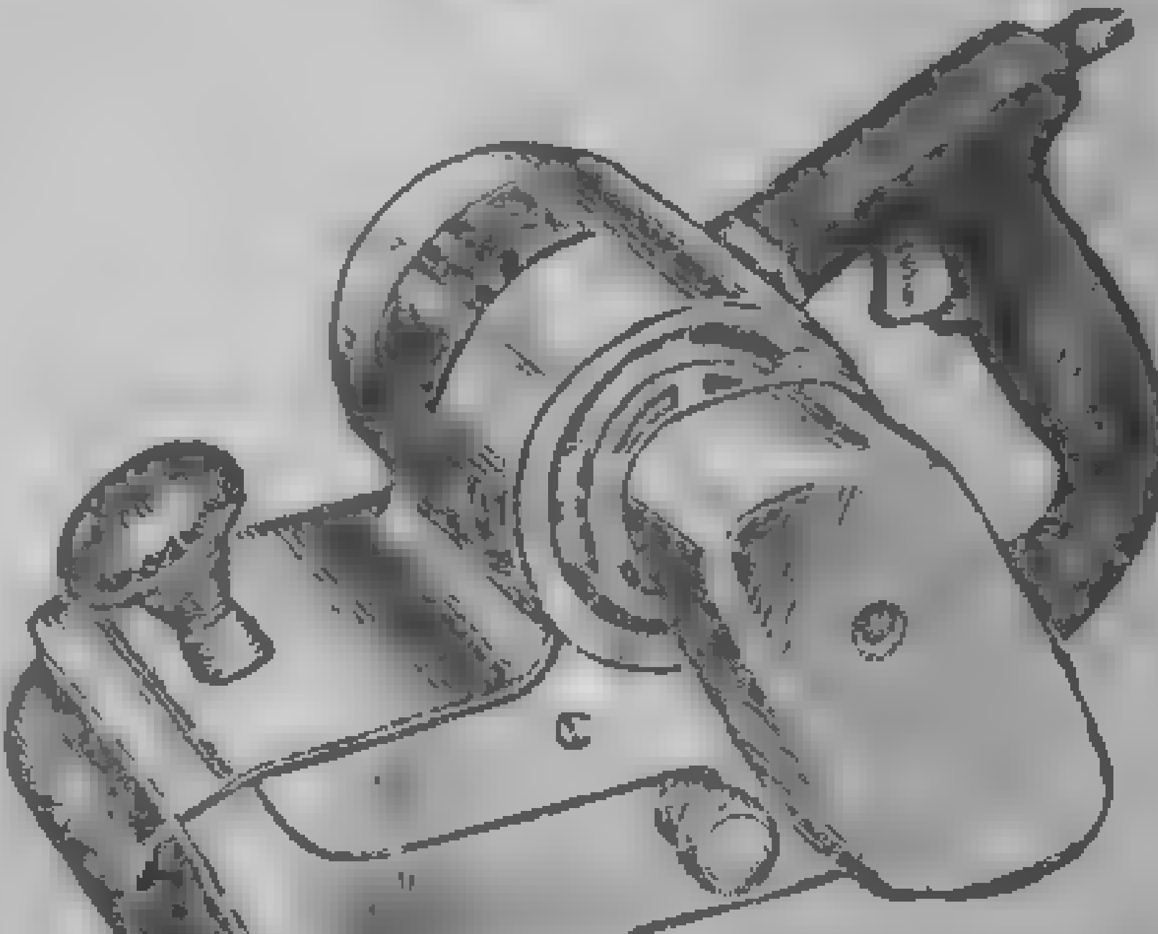


Model 592

MODEL 405 BELT SANDER

Professional quality sander with the speed and power to quickly smooth down rough lumber, remove old paint and varnish or put a flawless finish to cabinet or furniture jobs. An outstanding tool for hobbyists, carpenters and cabinet makers. Belt moves at rate of 1350 ft. per minute. Husky universal motor transmits full power through precision-cut gears and rugged cog belt. Has ball and sleeve bearings for smooth, extremely dependable operation. Uses extra wide 4" sanding belts. Flush design allows sanding right up to vertical edges. Simple locking device for quick, easy belt changing. Rugged, die-cast aluminum housing. 6¾x6¾x12½". Less sanding belts. For 110 120 v., 60 cycle AC-DC. Shpg. wt., 16 lbs.
50 NX 328. List, $89.95. **NET**..................67.02

Box of 10 Assorted Belts. Wt., 1½ lbs.
50 N 078. List, $8.25. **NET**.......................6.60



Model 405

Quality Hand Tools

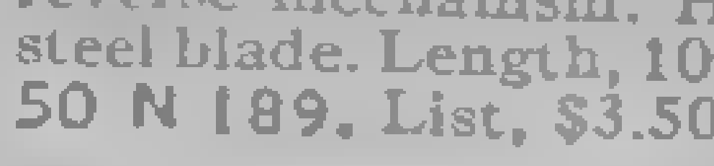
MILLERS FALLS HAND TOOLS

A Model 1710 Brace. Low-priced brace for square shank bits. Has adjustable forward-reverse ratchet control for use in limited space. Barber chuck with alligator jaws. 10-inch sweep. Ball bearing head mount. Hardwood head and handle. Shpg. wt., 2¾ lbs.
50 N 022. List, $6.50. **NET**..........4.88

B Model 170 Automatic Drill. Has convenient, quick-action chuck. Locks or releases with slight forward thumb pressure. Serrated, red plastic handle has 4 compartments—holds up to 12 drill bits. Complete with 4 drills: 5/64", 7/64", 9/64" and 11/64". 10¼" long. Shpg. wt., ¾ lb.
46 N 307. List, $4.25. **NET**..........3.19

C Model 1425 Hand Drill. High quality drill has double pinion gears for smooth action. Drive gear and pinions have precision-cut teeth. 3 jaw chuck takes drills up to ¼" in dia. Nickel plated frame and chuck. Hollow handle stores drills. Shpg. wt., 2 lbs.
50 N 174. List, $4.95. **NET**..........3.69

D Model 29 Spiral Ratchet Screwdriver. Easy-action, automatic screwdriver. ¼" bit drives or draws #4 to #8 screws. Carefully machined spiral; dependable ratchet and reverse mechanism. Hardwood handle, forged steel blade. Length, 10". Shpg. wt., ½ lb.
50 N 189. List, $3.50. **NET**..........2.63

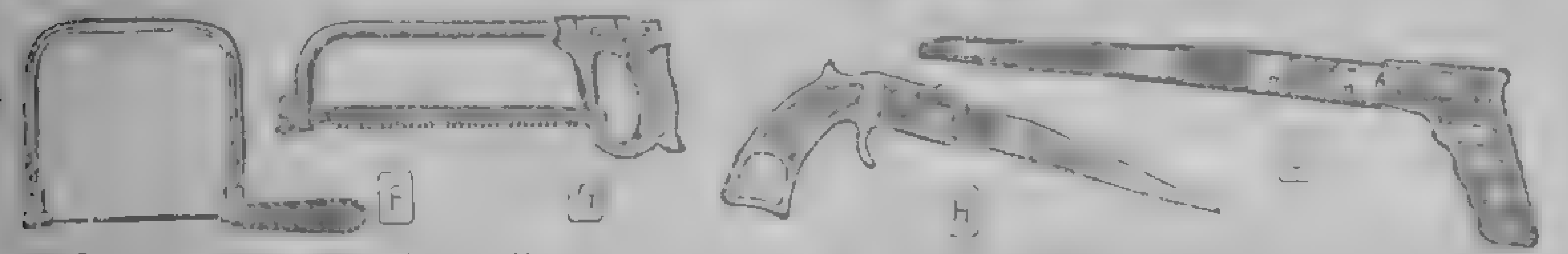


Model 10 Awl. Has pointed alloy steel blade, 2¾" long. Nickel-plated ferrule. 4⅞" long. Shpg. wt., 1 oz.
50 N 190. NET........................29c

HANSON ECONOMY HAND DRILL

E Inexpensive hand drill with knurled, hardened steel chuck. Will take drill bits up to ¼" in diameter. Hardwood handle, with screw-on cap; has convenient storage space. Overall length 11½". Shpg. wt., 1¼ lbs.
46 N 030. NET 1.65

ALL-PURPOSE HAND SAWS



F Coping Saw. Excellent, all purpose coping saw. Natural hardwood, lacquered handle. Special ratchet locks blade in position. Supplied with 6½" blade. Throat depth, 4¾". Shpg. wt., ¾ lb.
45 N 878. NET........................45c

Type CS2. Replacement Blades. Wt., 2 oz.
45 N 876. Pkg. of 2. **PER PKG**........10¢

G Perber Tubular Hack Saw. Sturdily constructed hacksaw, adjustable for 10 to 12" blades. Rigid, chrome-plated ⅝" tubular steel frame; chip-resistant baked enamel finish on grip handle. Blade can be set to vertical or horizontal positions. Supplied with 10" blade. Shpg. wt., 1½ lbs.
47 N 009. NET EACH................1.49

Replacement Blade Set. Contains 1 fine and 1 coarse blade, both 10". Shpg. wt., 3 oz.
46 N 091. NET, PER SET OF 2.......21¢

H Forsberg V-35 Four-Way Keyhole Hacksaw. Handy lightweight saw for all general purpose work. Cuts metal, wood, plaster, conduit, etc. Blade is 7½" long, 24 teeth/inch—can be faced in 4 directions. Wt., 6 oz.
46 N 341. NET........................31c

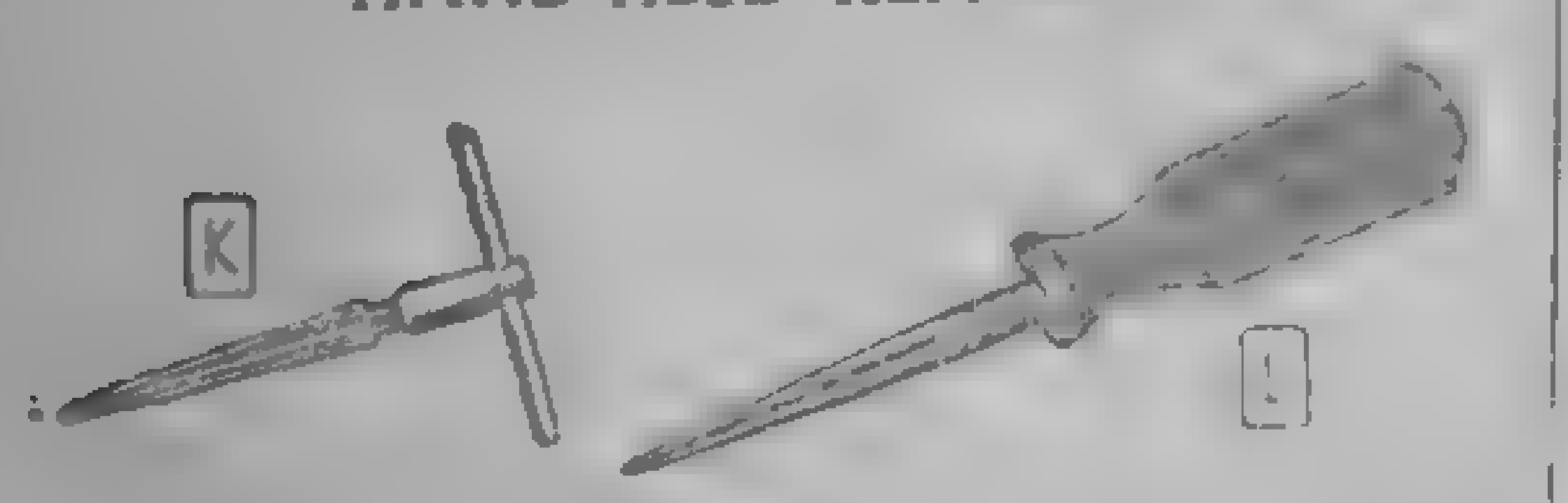
Extra Keyhole Saw Blades. Wt., 2 oz.
46 N 342. NET EACH ....11¢

J Millers Falls Model 625 Keyhole Hacksaw. Cuts metal, wood, plaster, etc. Has a replaceable 12" blade; 10 teeth per inch. Blade can be rotated and locked in any of 8 positions for easier odd-angle cuts. Handle fits blades below. Shpg. wt., 9 oz.
46 N 102. List, $2.20. **NET**............1.65

12" ACCESSORY BLADES

No.	Type	Teeth Per Inch	Oz.	EACH
46 N 103	24	24 (For metal)	3	45¢
46 N 104	27	7 (For wood)	3	49¢

HAND-HELD REAMERS



K Henry Hanson Type 120. For enlarging holes in chassis, panels and other materials. T-handle provides firm grip for heavy work; removable for use in drill chuck. Precision machined from carbon steel. Point, ⅛" dia.; shank, ½" dia., 5½" long. Wt., 9 oz.
46 N 243. NET........................1.19

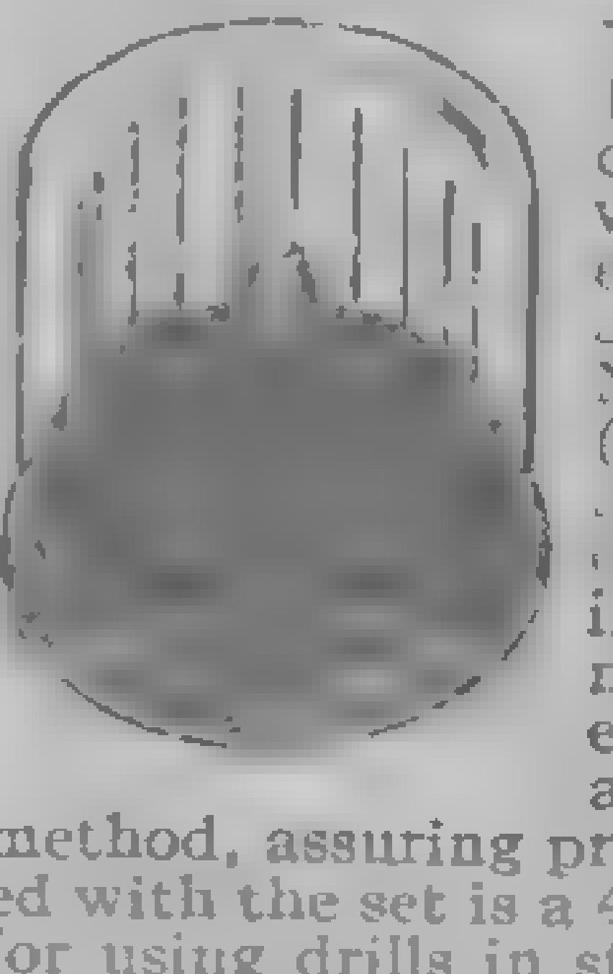
L Master Reamer. Tapered from ⅛" tip to 5/16". Made of finest tool steel. Plastic handle. A very handy tool for the radio and TV repairman, experimenter, electrician, etc. Length, 8". Shpg. wt., 6 oz.
46 N 244. NET........................88c

MILLERS FALLS UTILITY KNIFE

Model 333. Versatile knife of a 1001 uses [illegible] shop or home. Cuts rubber, veneer, linoleum, etc. [illegible] extra blades [illegible] cutting edges. 5" [illegible]
46 N 308. NET 75c

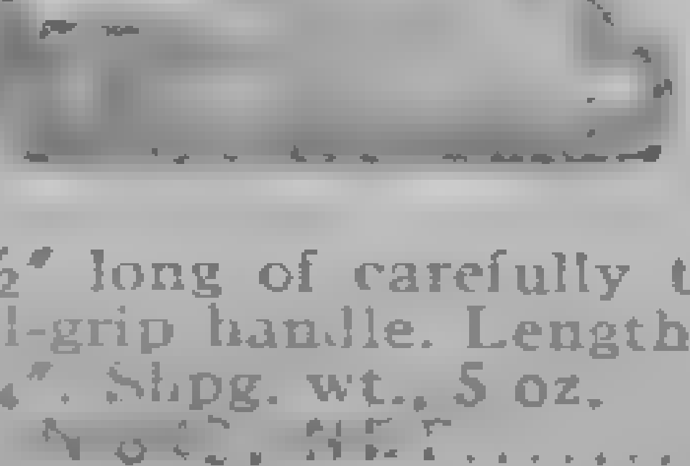
Replacement Blades. Package of 5 blades for above. .018" thick. Shpg. wt., 1 oz.
50 N 171. NET PER PKG..............37¢

KNEISLEY MINIATURE DRILL SET



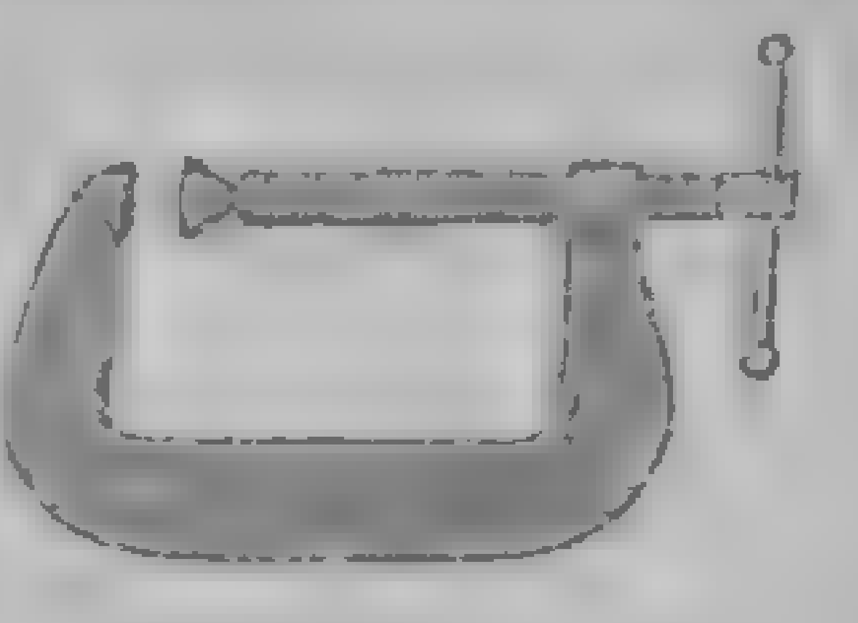
Type KS-1115 Carbon Drill Set. An excellent addition to any plant or home workshop. Set consists of 20 extremely durable drills in a wide variety of sizes, from No. 61 (.039") to No. 80 (.0135"). All [illegible] for all types of [illegible] for precision drilling. Component parts are manufactured of the highest grade carbon steel. Units are hardened by a unique method, assuring precision production. Included with the set is a 4-jaw chuck with ⅛" shank for using drills in standard chucks. Entire set is covered by transparent molded lucite case. Various drills are always in sight for fast, convenient reference. Handy container fits anywhere, takes little space. Wt., 6 oz.
46 N 799. NET........................6.29

ULSTER K-29W ELECTRICIAN'S KNIFE



Rugged knife for the electrician, serviceman, etc. Two blades: combination screwdriver-wirescraper; spear-shaped blade. Brass center safety lock prevents blade from closing accidently. Each blade is 2½" long of carefully tempered steel. Black, full-grip handle. Length of knife when closed, 3¼". Shpg. wt., 5 oz.
[illegible]. NET........................1.49

BRINK & COTTON CARRIAGE CLAMP

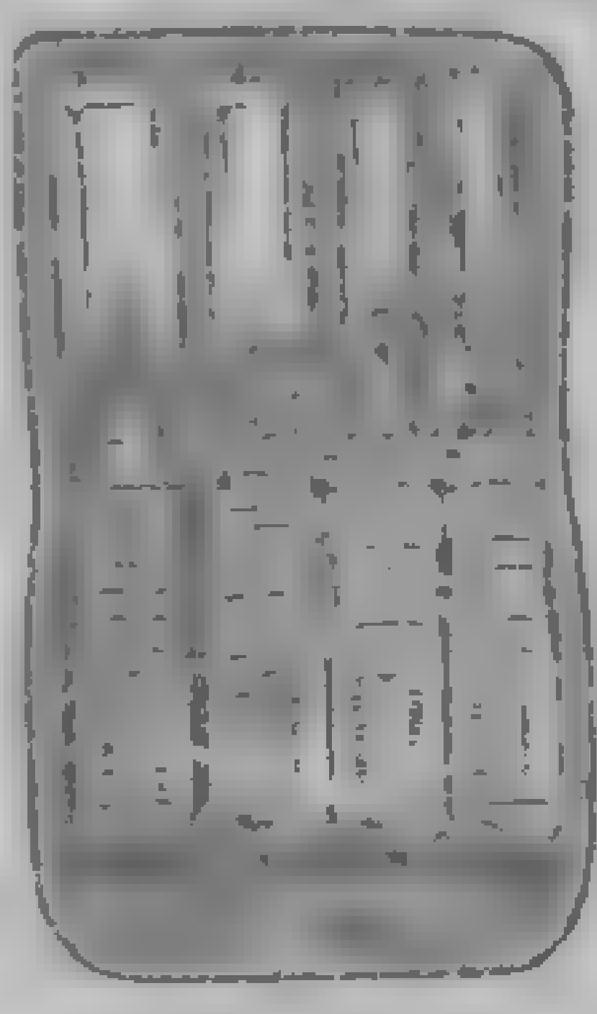


Sturdily-constr ed "C" clamps high-grade mall ble iron. Hav greater than us throat depth a two heavy rei forcement ridges corners. Permi deeper reach a greater pressure clamping. Clamp screws have standard threads and vise-type handles. Maximum quired pressure may be applied by hand alo

Rocking swivel pads at screw ends for equal ing pressure when clamping on irregular s faces. Type 141 has screw diameter of ¼" Type 142, 5/16", Type 143, [illegible].

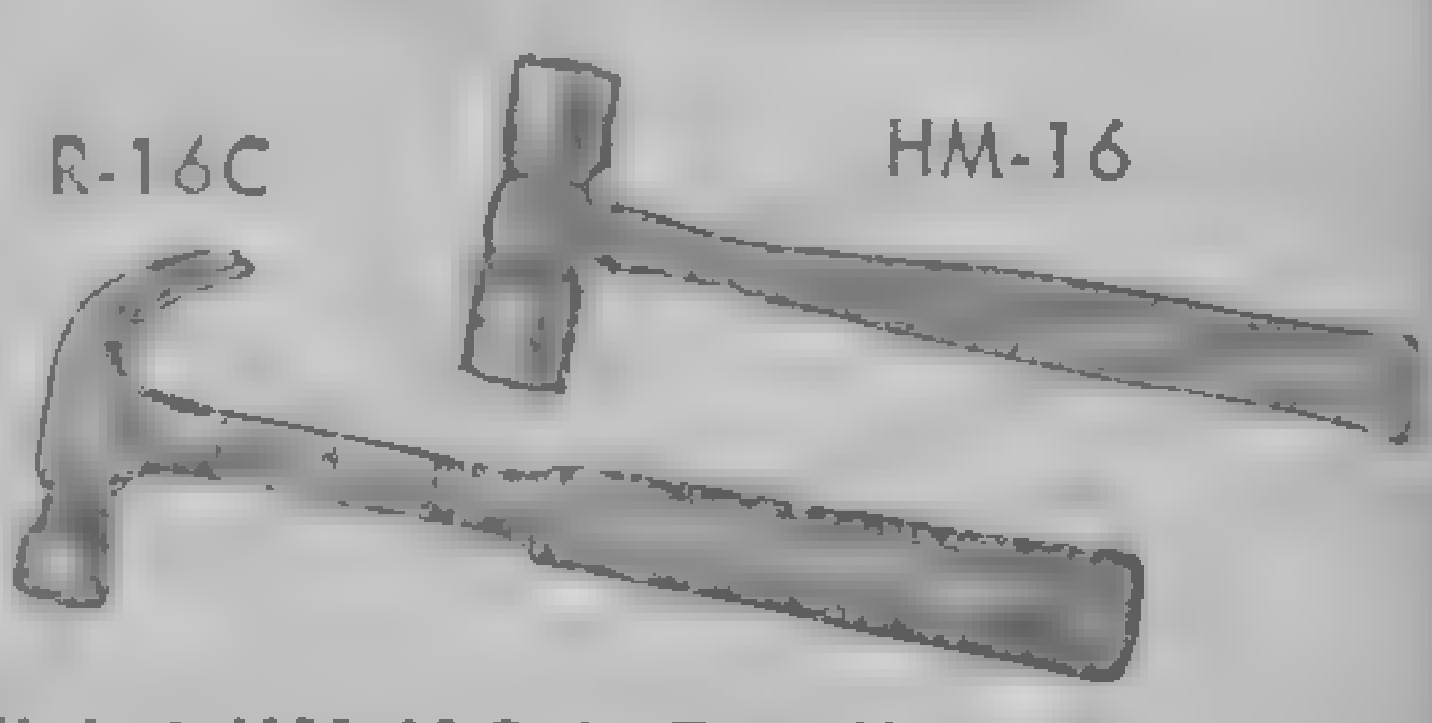
Stock No.	Mfr's Type	Capacity	Depth	Wt., Oz.	NET EAC
50 N 163	141	1"	1⅜"	3	21¢
50 N 164	142	2"	1 1/16"	4	29¢
50 N 165	143	3"	2"	12	60¢

MILLERS FALLS CHISEL SET



Model 1434. Kit of 4 pertly designed wood chi els. These carefully m nufactured tools featu thin, keen-edged bl which permit deeper, more efficient cutting action and neater work. Blades are high-carbon chisel steel. Handles are durable, transparent plastic, firmly bonded to blades. De cove design for comfortable, sure grip. All chisels have handle length of 3 3/16". Overall length, 6⅞". Blade widths are ¼", ½", ¾" and 1". Supplied with convenient gray and red plastic carrying case. Shpg. wt., 1½ lbs.
50 N 217. List, $7.25. **NET**..........5.44

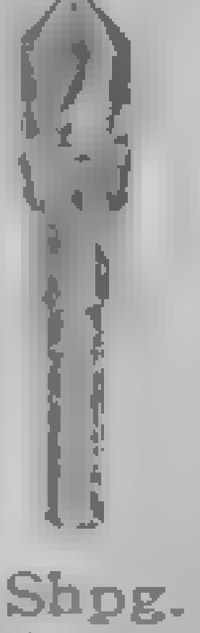
QUALITY HAMMERS



Vlchek HM-16 Soft-Face Hammer. Plastic-faced hammer for driving bushings and wrist pins, body bumping, straightening bent chassis, etc. Steel head has 1⅜" dia. faces of red vinyl and amber tenite. Will not mar aluminum or soft metals. Hickory handle. Length, 12¾". Shpg. wt., 1 lb.
50 N 161. NET........................2.73

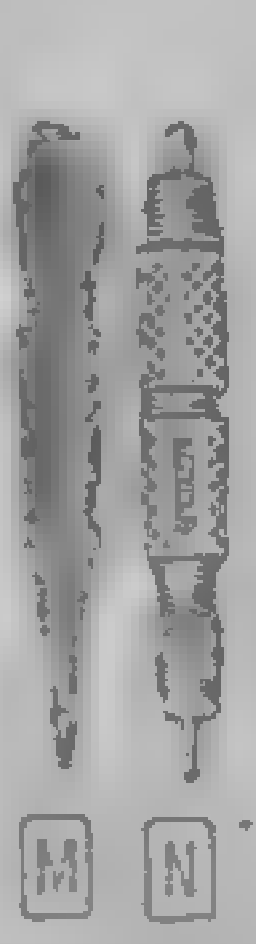
Great Neck R-16C. Deluxe, well balanced claw hammer. One-piece construction eliminates head loosening. Precisely tempered claws for easily pulling small nails. Rubber cushioned handle for secure grip and excellent shock absorption. Length, 13". Wt., 1⅓ lbs.
45 N 848..............................3.53

MILLERS FALLS COUNTERSINK



Model 710. Made of fine-grade high-speed steel. For use in any material ordinarily machinable with a high-speed cutter. Cuts fast and clean in soft steel, iron, wood and similar materials. Has 5 carefully ground flutes for fast cutting at 82° angle for wood and machine screws. Shank, ¼". Fits any brace or drill. Overall length of unit is 2½". Shpg. wt., 6 oz.
46 N 156. List. $1.75. **NET**............1.29

G-H CENTER PUNCHES

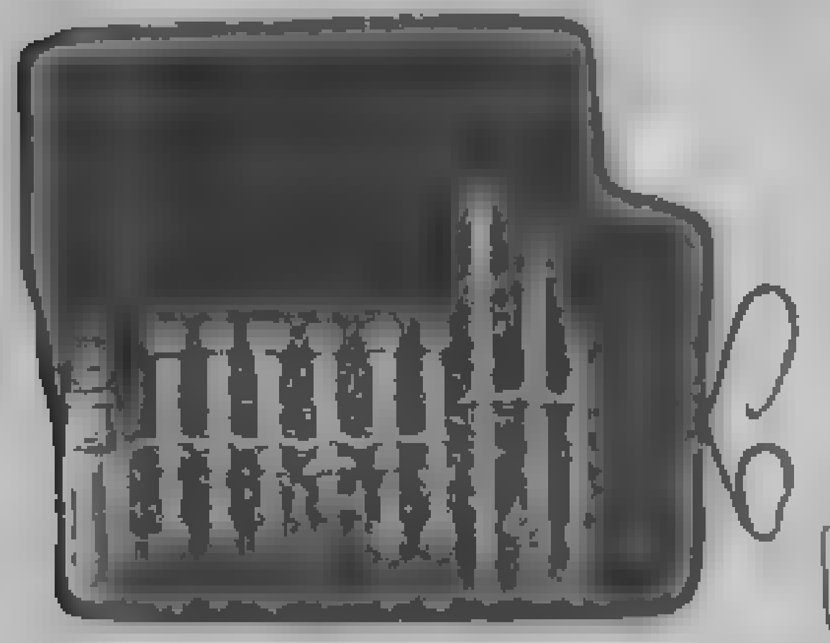


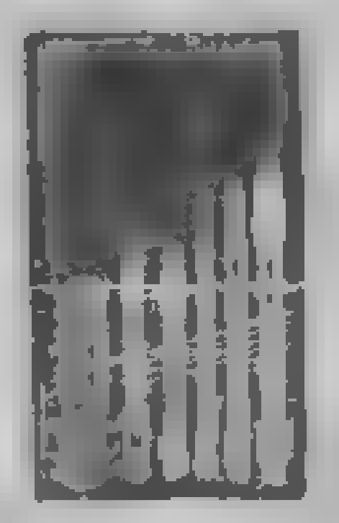
M Model 79. Hand pressure on handle triggers powerful spring which drives punch. Extremely valuable builder's aid. Simply turn top of handle to adjust tension for light or heavy punch. Size, ½" dia. x 5". Replaceable point. Wt., 5 oz.
46 N 195. NET............3.10
46 N 196. 79P. Extra pt. **EA**. 44¢

N Model 806. For use with hardware having countersunk mounting holes—hinges, switch plates, etc. Tapered end fits into hole, automatically finds correct center. Just tap pin and work is accurately marked. Punch and pin made of steel. Shpg. wt., 2 oz.
46 N 218. NET........................38¢

Handy Workshop Tools

ECONOMY TOOL KITS


A


B

COMBINATION DRIVER SET

A A complete nut and screwdriver set, in a handy pocket-sized roll. Multi-purpose, 10-piece tool set contains 6 nut driver blades, 3 screwdriver blades and a clear amber plastic handle with an aluminum adjustable screw chuck. Blades are made of hardened and tempered tool steel, nickel plated to prevent rusting. Nut driver blades are for hex sizes ³⁄₁₆", ¼", ⁵⁄₁₆", ¹¹⁄₃₂", ⅜", ⁷⁄₁₆". 3 screwdriver blades: ¼x6" mechanic, ¼x5½" recess No. 2, ⅛x3⅛" cabinet type. Each tool kept in place in its own transparent compartment. Plastic roll case has size markings under hex blade compartments for easy identification. Convenient tie string. A low-priced extremely useful kit for the serviceman. Shpg. wt., 1 lb.

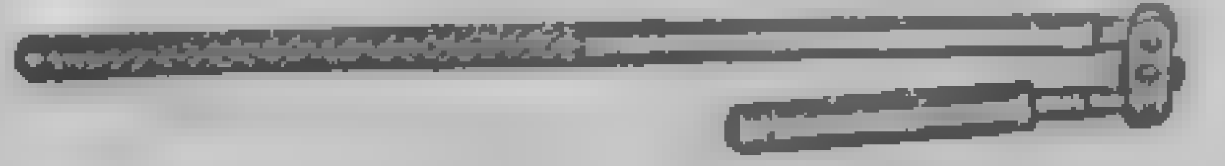
46 N 463. NET 1.69

5-IN-1 SCREWDRIVER SET

B Screwdriver set containing five most-commonly-used screwdriver types. Interchangeable blades are easily inserted into aluminum screw chuck of the shockproof, unbreakable amber plastic handle. Hardened and tempered tool steel blades are nickel plated. Set contains: ⅛x3½" cabinet blade; ³⁄₁₆x3½" cabinet blade; Phillips No. 1 (³⁄₁₆x4¼") blade; Phillips No. 2 (¼x4¼") blade; ¼x4¼" keystone blade; plastic handle. Includes durable plastic roll-up holder with handy tie string. An economical, extremely versatile addition to the shop or home tool chest. Shpg. wt., 8 oz.

46 N 096. NET 64c

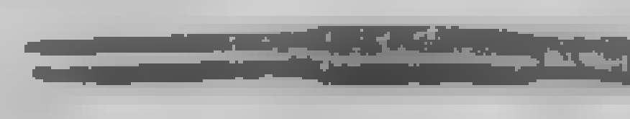
"MAGIMMICK JR."



A very useful tool when working in restricted space. Consists of permanent magnet mounted on a swivel-joint extension handle. Retrieves nuts, bolts, etc. in hard-to-reach places. Indispensable when working on miniaturized units, in corners or other tight places, in dim light, etc. Swivel joint permits adjustment for reaching around close spaced components. 10" long. Shpg. wt., 6 oz.

46 N 084. NET 1.20

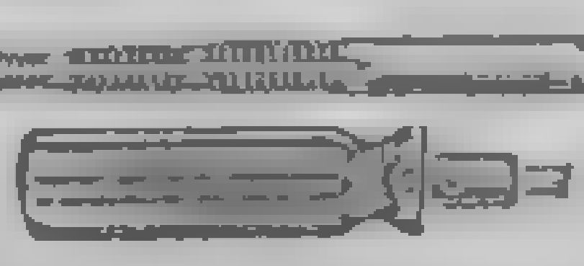
HANDY STEEL TWEEZER



Finely tempered, nickel-plated steel tweezers. Size, 6½" long. For all types of delicate work. Aids in servicing transistorized equipment. Holds wires, nuts, screws, etc. Easy to hold. Shpg. wt., 4 oz.

46 N 095. NET 53c

TRI-TAP TOOLS



Tools made of tough, heat-treated steel, plated to resist rust. One tool taps 3 thread sizes. Choice of 3 models, each with replaceable tap. Plastic handle fluted for non-slip grip. Tap easily removed for compact storing. A precision tool for use by the electronic technician, journeyman electrician, and the radio-TV repairman. Av. shpg. wt., 8 oz.

Type HT-24. Taps 3 thread sizes: 6/32, 8/32, 10/32. With replaceable tap.

45 N 354. NET EACH 2.06

Type HT-25. Taps 3 thread sizes: 6/32, 8/32, 10/24. With replaceable tap.

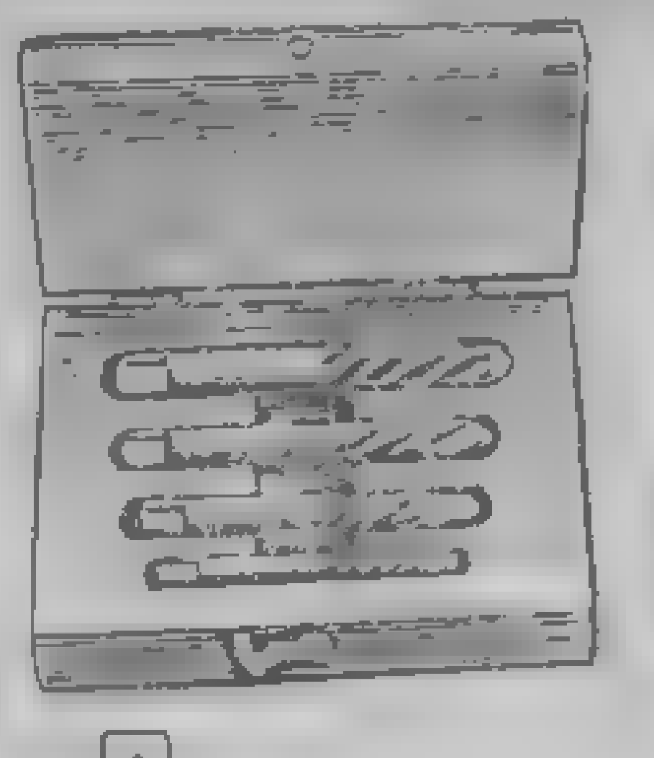
45 N 355. NET EACH 2.06

Type HT-29. Taps 3 thread sizes: 6/32, 10/24, ¼/20. With replaceable tap.

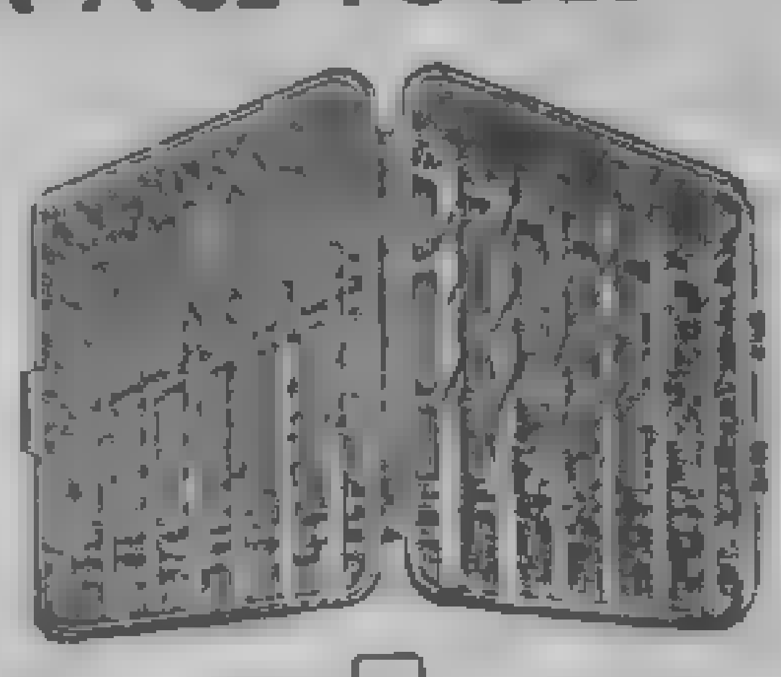
45 N 356. NET EACH 2.06

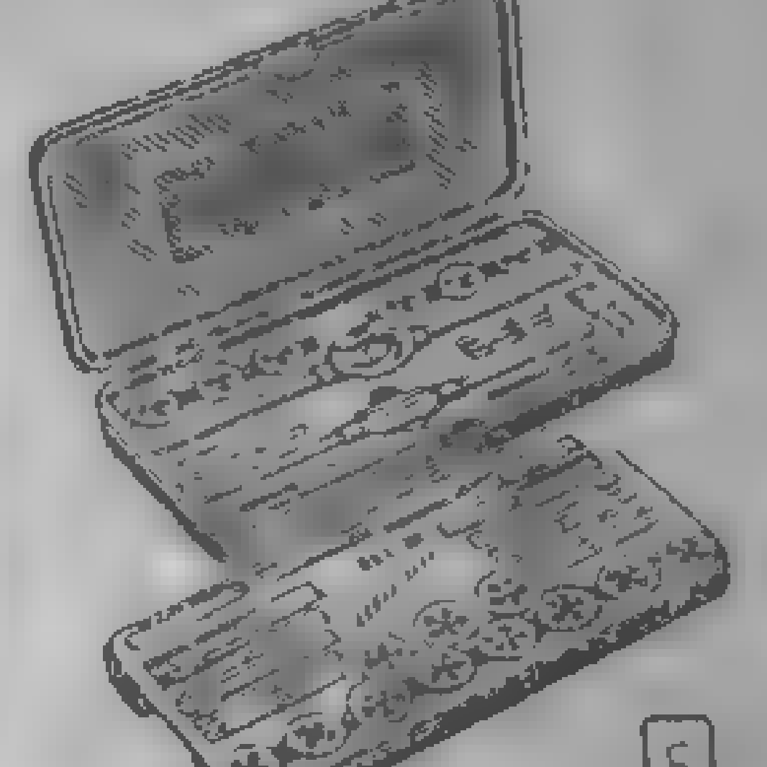
Outfit Your Shop on Allied's Easy Payment Plan — Any Tools Totaling $20 or More May Be Purchased with Only a Small Down Payment.

HENRY HANSON ACE TOOLS


C

D


E


F

SCREW EXTRACTOR SET

C **Model 20.** For clean, easy removal of broken screws, bolts, studs and pipes that resist regular methods. A hole is drilled into broken piece, using correct drill size marked on extractor. Turning extractor counter-clockwise removes broken piece on its own threads. No damage to threaded hole results. Set contains 4 extractors in polished hardwood box. Removes screws ⁵⁄₃₂ to ⅝" in dia. Also, ⅛" and ¼" pipe. Extractors are constructed of tough, highest quality alloy steel. Scientific heat treatment of steel makes screw extractors practically unbreakable. Shpg. wt., 1 lb.

46 N 264. NET 1.88

INDIVIDUAL TAPS AND DIES

High-quality taps and solid dies for all-purpose use. Made of tough carbon steel to insure long life of tool and clean, accurate threads. Right-hand thread. Shpg. wt., 2 oz.

Size	Tap	EACH	Die	EACH
4-36	46 N 700	30¢	46 N 706	44c
6-32	46 N 701	30¢	46 N 707	
8-32	46 N 702	30¢	46 N 708	
10-32	46 N 704	34¢	46 N 710	
10-24	46 N 703	34¢	46 N 709	
¼-20	46 N 705	38¢	46 N 711	

Tap Wrench. "T" handle tap wrench for above taps. Sliding bar handle with spring tension gives plenty of leverage. Can be adjusted for one or two hand operation. Wt., 4 oz.

46 N 713. NET .... 45¢

TAP AND DIE SET

- 39 Tools in Popular Sizes
- Packed in Lightweight Kit

F **Model 614V.** Complete set of high-quality, popular size taps, dies and accessories—39 pieces in all. Contains 1 each tap and die: 4-36, 6-32, 8-32, 10-24, 10-32 and 12-24 (Machine Screw Standard), ¼-20, ⁵⁄₁₆-18, ⅜-16, ⁷⁄₁₆-14 and ½-13 NC (U.S. Standard), ¼-28, ⁵⁄₁₆-24, ⅜-24, ⁷⁄₁₆-20 and ½-20, NF (S.A.E. Standard), ⅛" pipe. Includes die stock, tap and reamer wrench, "T" tap wrench, screwdriver and screw pitch gauge. Dies are V-notch adjustable. Green plastic case. Shpg. wt., 4 lbs.

46 N 245. *Only $2 Down.* **NET** 21.80

RADIO TAP AND DIE SET

D **Model 21.** 12-piece set covering basic threads most often used in radio work. An excellent, low-cost set for the radio serviceman, hobbyist, experimenter, or engineer. Includes 1 each plug tap and die, sizes 6-32, 8-32, 10-24, 12-24, ¼-20. Dies are solid type, 1" dia. High carbon, tempered steel assures long tap life. In mahogany box. Shpg. wt., 3 lbs.

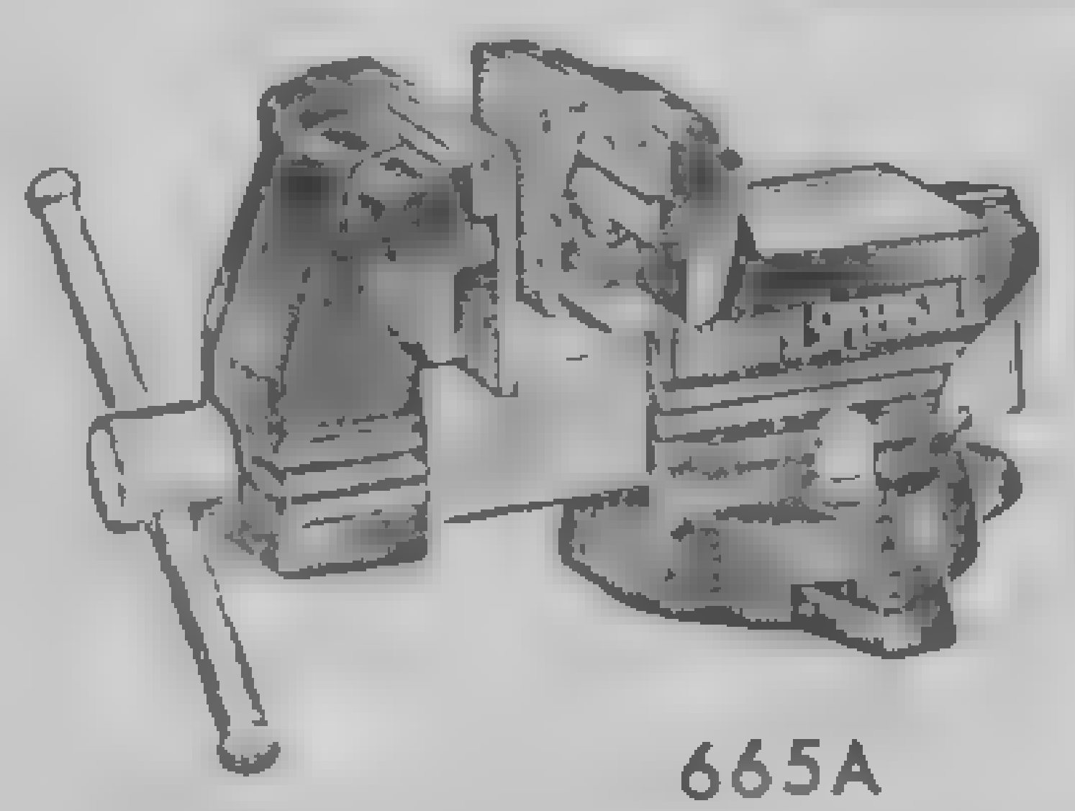
46 N 025. NET 7.05

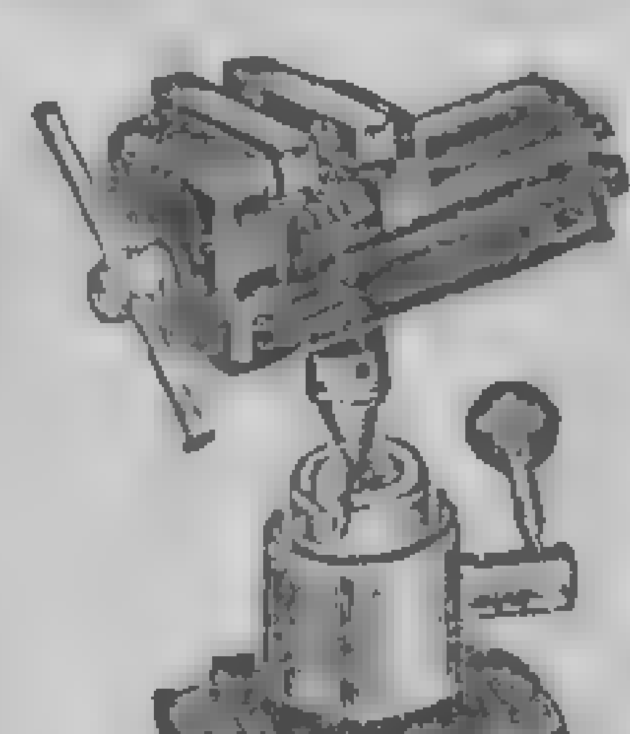
HIGH-SPEED DRILL BITS

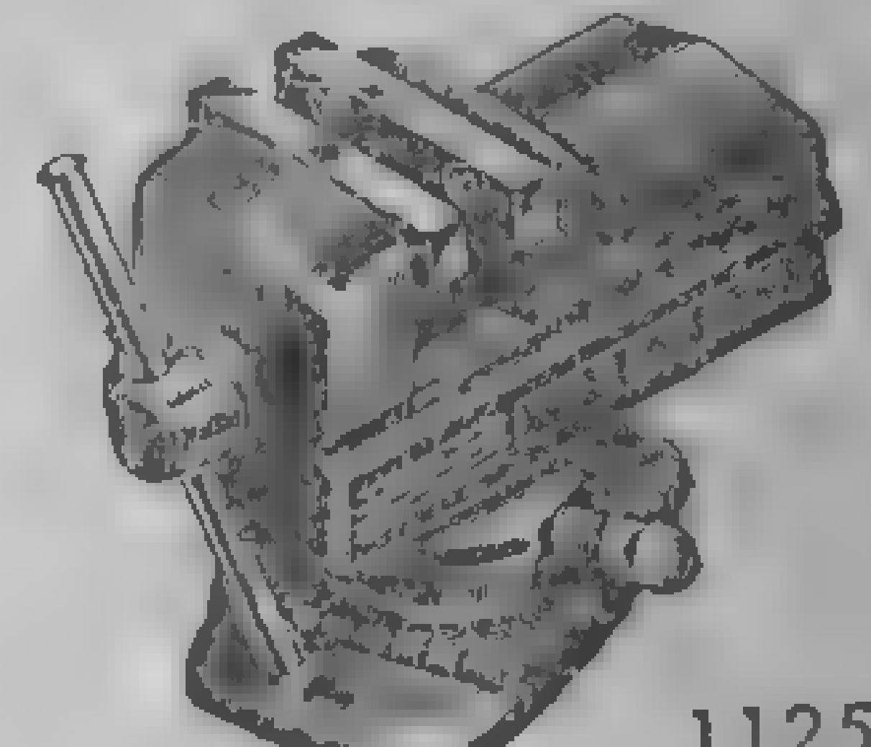
E **Model 113.** Set of 13 high-speed drill bits, ¹⁄₁₆" to ¼" in ¹⁄₆₄" graduations. Carefully tempered and precision-ground to assure long life. Complete with convenient, hinged plastic case. Shpg. wt., 6 oz.

50 N 059. NET 4.45

WILTON SHOP AND BENCH VISES


665A


364


1125

Model 665A Vise. An excellent tool for the home workshop. Three rapid-acting vises—woodworking, metalworking and pipe vise all rolled into one. Removable fiber-board jaw faces clamp wood without marring. 5" wide serrated steel jaws provide powerful grip for metal jobs. Built-in pipe jaws hold pipes of ⅛" to 2½" dia. Jaws are 3¼" deep. Max. jaw opening, 5¼". Swivel base. Enamel finish. Shpg wt., 35 lbs.

46 NU 953. NET 16.20

Model 664 Vise. As above, but 4" jaw. Opens to 4¼". Shpg. wt., 28 lbs.

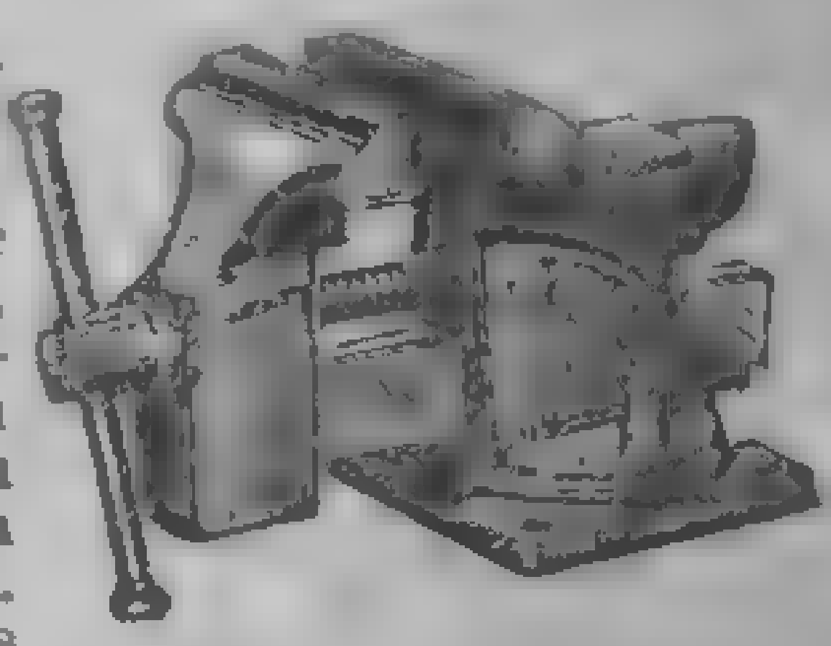
50 NX 490. NET 14.27

Model 364. Vise and Positioner. Ruggedly-built utility vise mounted on famous PowKarm positioner. Excellent combination for work on small electronic assemblies or parts. Single-handed release of positioner level-bar permits rotating or tilting work to any desired angle. Tightening of lever bar freezes work solidly in place. Provides a second pair of hands for production workers, servicemen or home craftsmen. Permits single clamping of work in vise. Positioner is cadmium-plated steel. Capacity, 15 lbs. Vise jaws are smooth steel, 2¼" wide; open to a maximum of 2¼". 5 lbs.

50 N 149. NET 13.93

Model 1125. Removable steel jaws open to a maximum of 2¼"; jaw width, 2¼". Opening and closing controlled by slide-bar. Thumbscrew locks swivel base in place. 2 mtg. holes in base Shpg. wt., 5¼ lbs.

46 N 896. NET 3.67



Model C53½. Economy model 3½" jaw vise. Quality constructed to handle most types of light, general work. Features removable steel insert jaws, built-in pipe jaws, precision machined screw. Swivel base allows unit to be swung instantly to any desired position. Thumbscrew locks base securely in place. Large anvil with forming horn. 4 mounting holes in base. Shpg. wt., 12 lbs.

50 N 487. NET 6.60

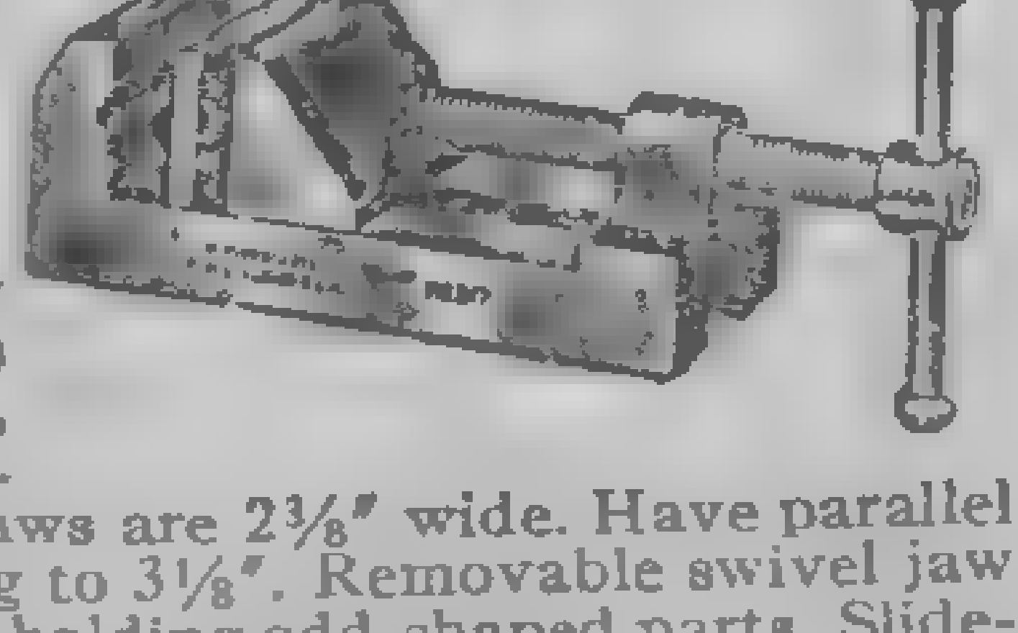
Model C54. As above, but 4" jaw. 15 lbs.

50 N 488. NET 7.73

Model C55. As C53½ above, but 4½" jaw width. Shpg. wt., 19 lbs.

50 N 489. NET 9.07

MILLERS FALLS NO. 217 VISE



For holding work on drill-press bed or work bench. Radiomen find it perfect for holding parts to be soldered, sawed or drilled. Sturdy steel jaws are 2⅜" wide. Have parallel faces extending to 3⅛". Removable swivel jaw is provided for holding odd-shaped parts. Slide-bar type handle and fine thread on screw give excellent leverage for solid, reliable grip on work. Shpg. wt., 5 lbs.

46 N 064. NET 8.90

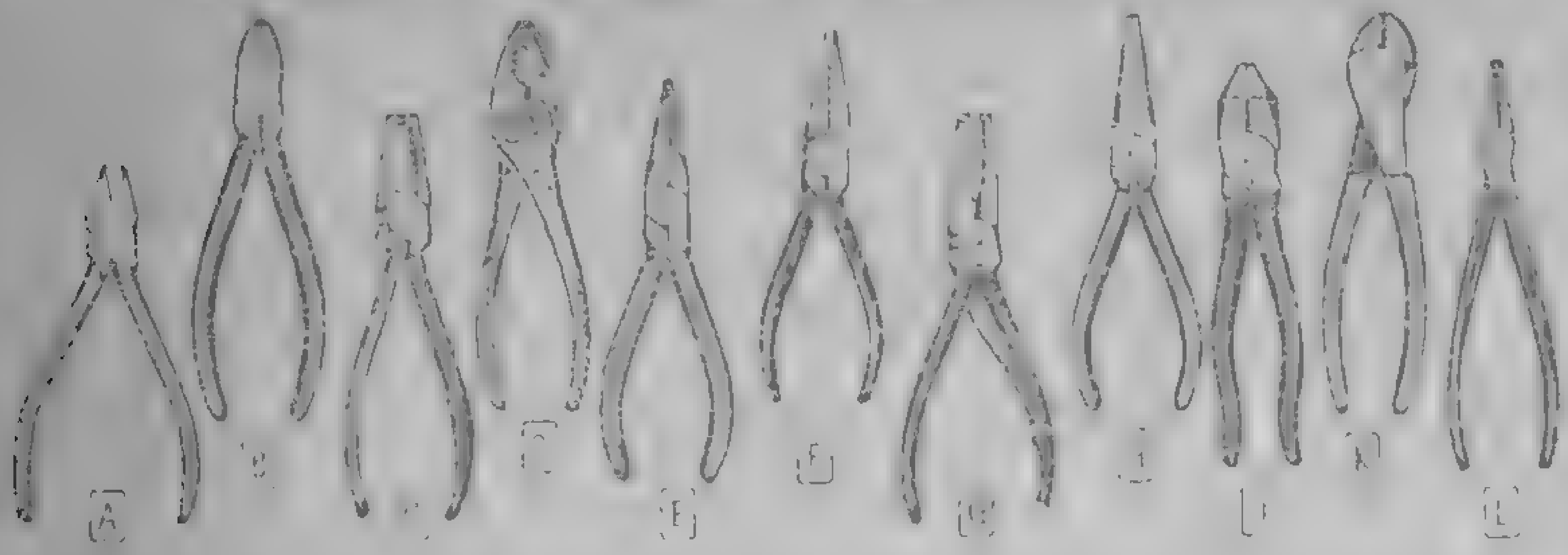
BRINK & COTTON NO. 149 VISE

Sturdy, practical and efficiently constructed clamp vise ideally suited for radio work. Securely holds small parts for soldering, filing, cutting, etc. Smooth, easy action. Compact unit can be clamped to any bench or table up to 2" thick in just a couple of seconds. Transfers to another table in moments. Jaws are 1¾" wide, open to 1¾", and are machined to meet squarely for a firm, safe grip. Free-action tightening bar is connected to drive screw. Shpg. wt., 2¾ lbs.

46 N 015. NET 1.50

Quality Pliers and Wrenches

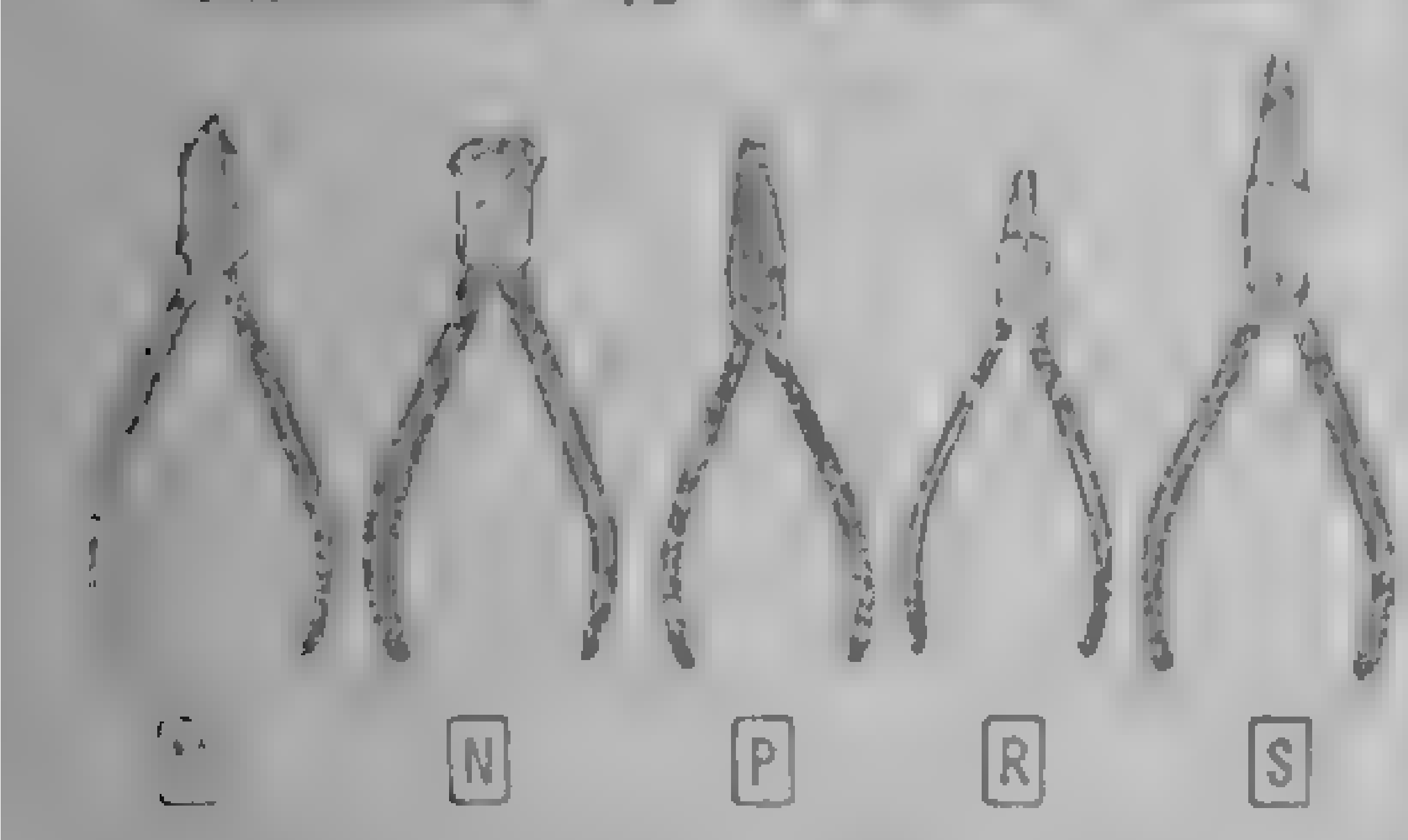
KRAEUTER HIGH-QUALITY INDUSTRIAL TOOLS



A complete selection of famous Kraeuter tools for radio-TV work, servicemen, technicians, production lines—anywhere high-quality, dependable tools are required. Hammer forged from high grade tool steel and precision finished. All have resilient, acid and grease resistant, vinylite "Cushion-Grip" handles and polished heads. Av. shpg. wt., 1 lb

Stock No.	Fig.	Type	Description	1-5, EA.	6-Up, EA.
50 N 110	A	CCG4625	5″ Needle Point Diagonal Cutters with Spring	3.45	3.13
45 N 433	B	CG4501	4½″ Narrow Head Diagonal "Oblique" Cutters	2.17	1.96
45 N 432	B	CG4501	5″ Narrow Head Diagonal "Oblique" Cutters	2.35	2.13
45 N 403	B	CG4501	6″ Narrow Head Diagonal "Oblique" Cutters	2.72	2.47
46 N 414	B	CG2612	6½″ Wire-Stripping Diag. Cutters (w/spring)	3.39	3.08
50 N 113	C	CG5627	5½″ Resistor Terminal End-Cutting Pliers	3.63	3.30
50 N 329	D	356	5½″ Combination Pliers	1.95	1.77
50 N 330	E	CG1641	5″ Short Chain Needle-Nose Pliers (with cutter)	2.46	2.24
46 N 401	E	CG1661	6″ Long Chain Needle-Nose Pliers (with cutter)	2.68	2.43
46 N 404	E	CG1671	6″ Long Chain Needle-Nose Pliers (no cutter)	2.09	1.90
50 N 331	E	CG1781	7″ Long Chain Needle-Nose Pliers (with cutter)	3.23	2.93
46 N 419	F	CG1663	6″ Radio and Ignition Nose-Cutting Pliers	3.56	3.23
50 N 112	G	CG1650	6″ Long Jaw End-Cutting Pliers (w/spring)	3.56	3.23
46 N 413	H	CG1741	6″ Long Flat-Nose Pliers (no cutter)	2.26	2.05
50 N 332	J	CG1801	6″ Linemen's Side Cutting Pliers	3.12	2.84
46 N 408	J	CG1801	8½″ Linemen's Side Cutting Pliers	3.79	3.43
46 N 400	J	CG1830	6½″ Electrician's Side Cutting Pliers	2.43	2.20
46 N 410	K	CG3610	7″ Heavy-Duty Diagonal Cutters	2.62	2.38
50 N 111	L	CG71	8″ Long Reach Short-Jaw Nose-Cutting Pliers	3.66	3.32

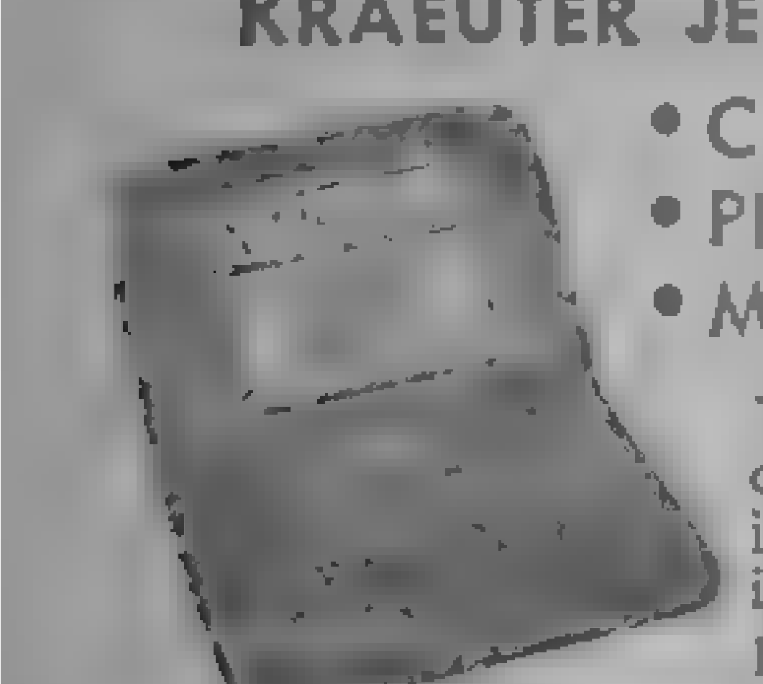
KRAEUTER 4½″ JEWELERS' PLIERS



Precision-made pliers effective for work on miniaturized electronic assemblies and all types of delicate mechanisms. These favorites are widely used by hobbyists, experimenters, watchmakers—various types of craftsmen. All are drop-forged from high quality steel and polish-finished. Grips are cushioned for comfortable, fatigue-free use. Type 81 is specially designed for close cutting of small, soft wires. Type 82 is for end cutting as in printed circuit assemblies. Types 83, 84, and 85 have smooth jaws. Av. shpg. wt., 5 oz.

Stock No.	Fig.	Type	Description	1-5, EA.	6-Up, EA.
46 N 418	M	CG81	Diag. Cutting	2.50	2.27
50 N 333	N	CG82	End Cutting	2.91	2.64
46 N 415	P	CG83	Chain Nose	2.35	2.13
46 N 417	P	CG85	Round Nose	2.35	2.13
46 N 416	S	CG84	Flat Nose	2.35	2.13

KRAEUTER JEWELERS' PLIER SETS

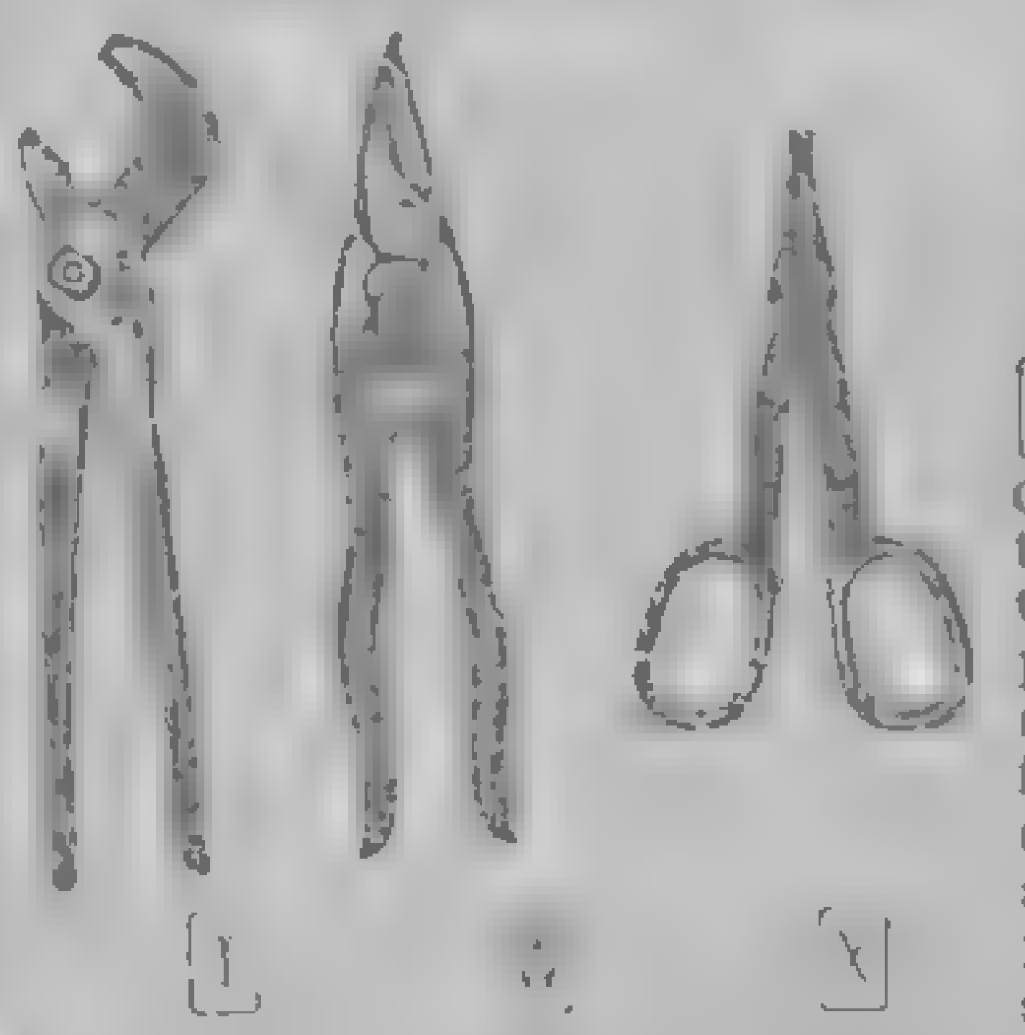


- Cushion-Grip Handles
- Pliers Matched in Size
- Machined From Tool Steel

Type CG90. Complete set of 5 jewelers precision pliers in durable black zipper storing case. Contains every popular type pliers. Used extensively for delicate, precision work on miniature mechanical and electronic equipment. Set consists of 1—Type 81 diagonal cutters, 1—Type 82 end cutters, 1—Type 83 chain-nose pliers, 1—Type 84 flat-nose pliers, and 1—Type 85 round-nose, round jaw pliers. Tools are 4½″ long. Supplied complete with case. Shpg. wt., 1¼ lbs.
46 N 423. NET 14.34

Type CG89. [illegible] as above except [illegible] Set includes 1 [illegible] Type 84 [illegible] pliers. Polished to a [illegible] long. With case. Shpg. wt., 1 lb.
46 N 435. NET 9.19

KRAEUTER PLIERS & SNIPS



5-POSITION SLIP-JOINT PLIERS

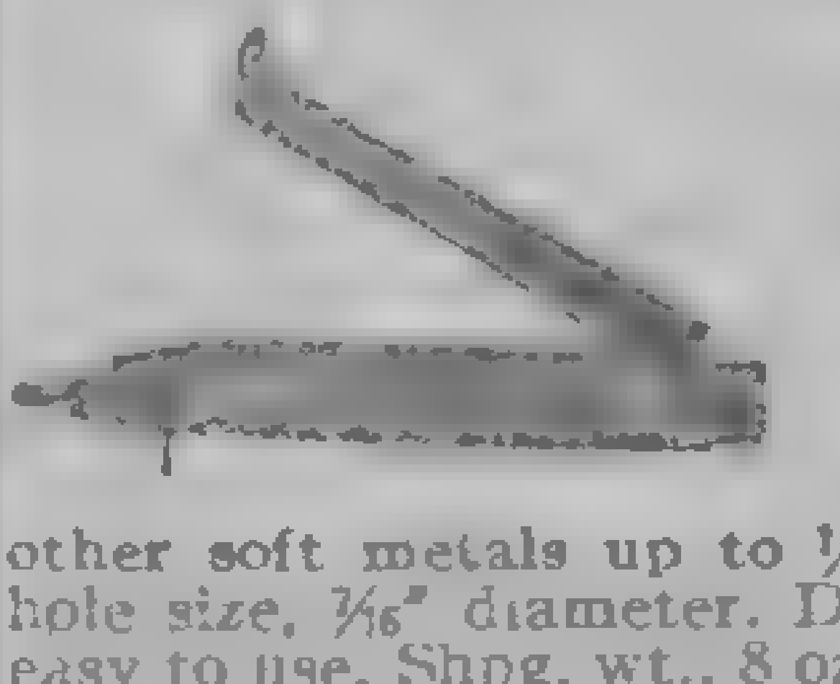
T **No. CG710.** Precision crafted, extremely versatile, slip-joint pliers. Made of sturdy, drop-forged tool steel. Five parallel adjustments allow settings from ³⁄₁₆″ to 1⅝″. "T" section provides for added strength in lower jaw. Milled teeth assure firm, non-slip gripping. Recommended for use by technicians, experimenters, hobbyists, auto mechanics, etc. Precision-machined with polished finish. Grips are cushioned for comfort during extended use. Length, 10″. Shpg. wt., 10 oz.
46 N 421. NET 2.57

PATTERN SNIPS

Type CGS3. Precision, rugged, multiple action snips for cutting sheet metals up to 18 gauge cold rolled steel. Drop-forged tool steel blades are serrated. Blades stay sharp at all times and have uniform cutting action over entire length of cutting edge. Comfortable cushion-grip handles. 10″ long; cut 1½″. Shpg. wt., 1 lb.
50 N 334. NET 3.23

X **Type K-13.** Combination pattern snips. Designed to cut either curved or straight lines in sheet metal, plastics, rubber, leather, etc. Drop forged from top-quality tool steel. Blades stay sharp and have uniform shearing action over entire length. Pocket sized—only 7″ long. 1⅝″ cut. Shpg. wt., 7 oz.
46 N 422. NET.. 1.76

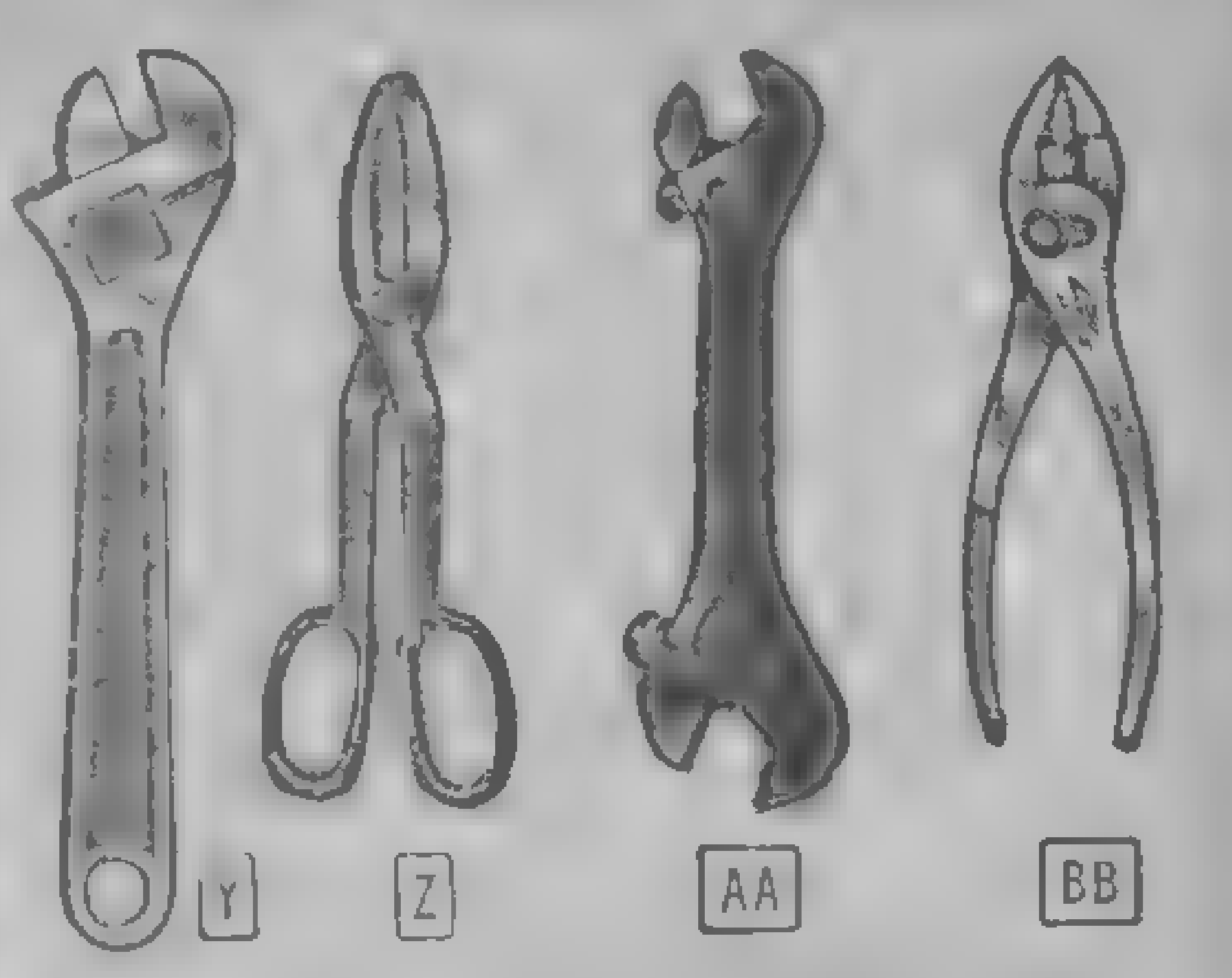
ADEL METAL "NIBBLING" TOOL



"Nibbles" holes, slots or openings in sheet metal. A real time-saver; leaves smooth, flat edge on holes. Easily munches 18-gauge steel, or aluminum and other soft metals up to ¹⁄₁₆″ thick. Minimum hole size, ⁷⁄₁₆″ diameter. Durably constructed, easy to use. Shpg. wt., 8 oz.
43 N 863. 12-Up, EA. 3.60 1-11, EA. .3.85

Replacement Punch for Above. Easy to install. Shpg. wt., 2 oz.
50 N 1[illegible]. NET 1.67

HEAVY-DUTY TOOLS



UTICA ADJUSTABLE WRENCHES

Y **Type 91 Adjustable Wrench.** Thin design. Easily slip into tight places. Drop-forged from tough alloy steel. Thumbscrew adjustment holds jaws firmly. Chrome finished head. *Tip thickness.

Stock No.	*Thickness	Size	Jaw Open	Shpg. Wt.	NET EACH
46 N 481	⅛″	4″	½″	2 oz.	1.93
46 N 482	³⁄₁₆″	6″	¾″	4½ oz.	1.93
46 N 483	¹³⁄₆₄″	8″	¹⁵⁄₁₆″	8 oz.	2.27
46 N 484	¹¹⁄₃₂″	10″	1⅛″	1 lb.	2.90
46 N 485	⅜″	12″	1⁵⁄₁₆″	1½ lbs.	4.22

UTICA STRAIGHT CUT TIN SNIPS

Z **Type 270.** Sturdy tempered, forged steel construction. Cutting edge holds sharpness. Powerful, lever action makes cutting easier and faster. Ring-type handles provide firm, comfortable grip. Length, 7″. Shpg. wt., 12 oz.
46 N 490. NET 1.79

DIAMOND ADJUSTABLE WRENCHES

AA **Type DB-76.** Double-ended 6″ wrench. Drop forged "Diamalloy" tool steel. Capacities are ½″ and ¾″. ½″ jaws are ⅛″ at tip with ⁵⁄₁₆″ maximum head thickness; ¾″ jaws are ⁷⁄₃₂″ at tip with 1³⁄₃₂″ maximum head thickness. Shpg. wt., 6 oz.
45 N 770. NET 2.74

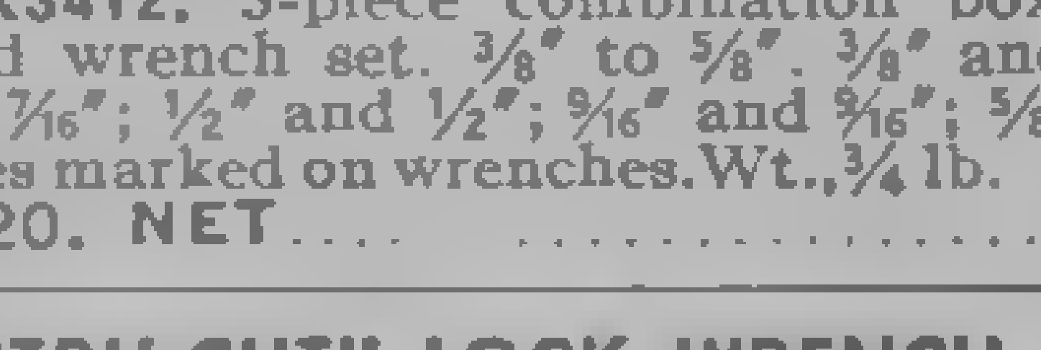
Type DB-78. As above but ¾ and ¹⁵⁄₁₆″ capacity. Shpg. wt., 10 oz.
50 N 115. NET 3.09

DIAMOND SLIP-JOINT PLIERS

BB Slip-joint combination pliers with handy wire cutting groove. Excellent for all general-purpose work. Precision milled jaws provide a firm, non-slip grip on large or small objects of any shape. Nickel-chrome plated. Knurled handles. *Indicates side cutting action.

Stock No.	Type	Description	Wt.	NET
50N 116	K-15	5″ Long, ¾″ Jaw Capacity	10 oz.	.80
46N 460	K-16	6″ Long, 1″ Jaw Capacity	12 oz.	.87
50N 337	*P-17	7″ Long, 1¼″ Jaw Capacity	8 oz.	1.41
50N 117	K-18	8″ Long, 1¼″ Jaw Capacity	14 oz.	1.11

VLCHEK DOUBLE END WRENCH SETS

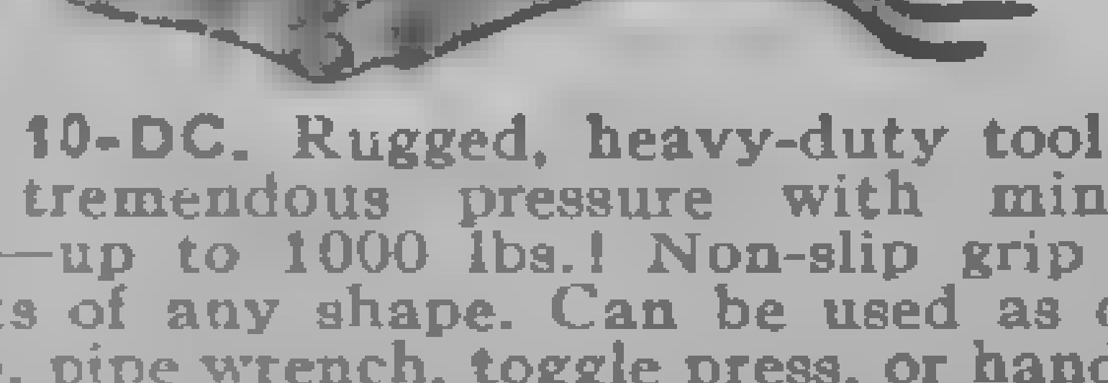


Type X2564. 5-piece open-end wrench set. Made of tempered carbon steel. Ten openings, ¹¹⁄₃₂ and ⁵⁄₁₆, ⁷⁄₁₆ and ⅜, ⁹⁄₁₆ and ½, ¾ and ⅝, ¹¹⁄₁₆ and ¹⁹⁄₃₂″. Sizes marked on wrenches. Rust resistant. Wt., ¾ lb.
46 N 265. NET 1.43

Type X2567. 5 piece open-end wrench set As above but ⅜″ to ⅞″ ⅜″ and ⁷⁄₁₆″; ½″ and ⁹⁄₁₆″; ¹⁹⁄₃₂″ and ¹¹⁄₁₆″; ⅝″ and ¾″; ¹³⁄₁₆″ and ⅞″. Openings marked on wrench. Shpg. wt., 1¼ lbs.
46 N 266. NET 1.79

Type X3412. 5-piece combination box and open-end wrench set. ⅜″ to ⅝″. ⅜″ and ⅜″; ⁷⁄₁₆″ and ⁷⁄₁₆″; ½″ and ½″; ⁹⁄₁₆″ and ⁹⁄₁₆″; ⅝″ and ⅝″. Sizes marked on wrenches. Wt., ¾ lb.
50 N 120. NET 2.10

"TRU-CUT" LOCK WRENCH



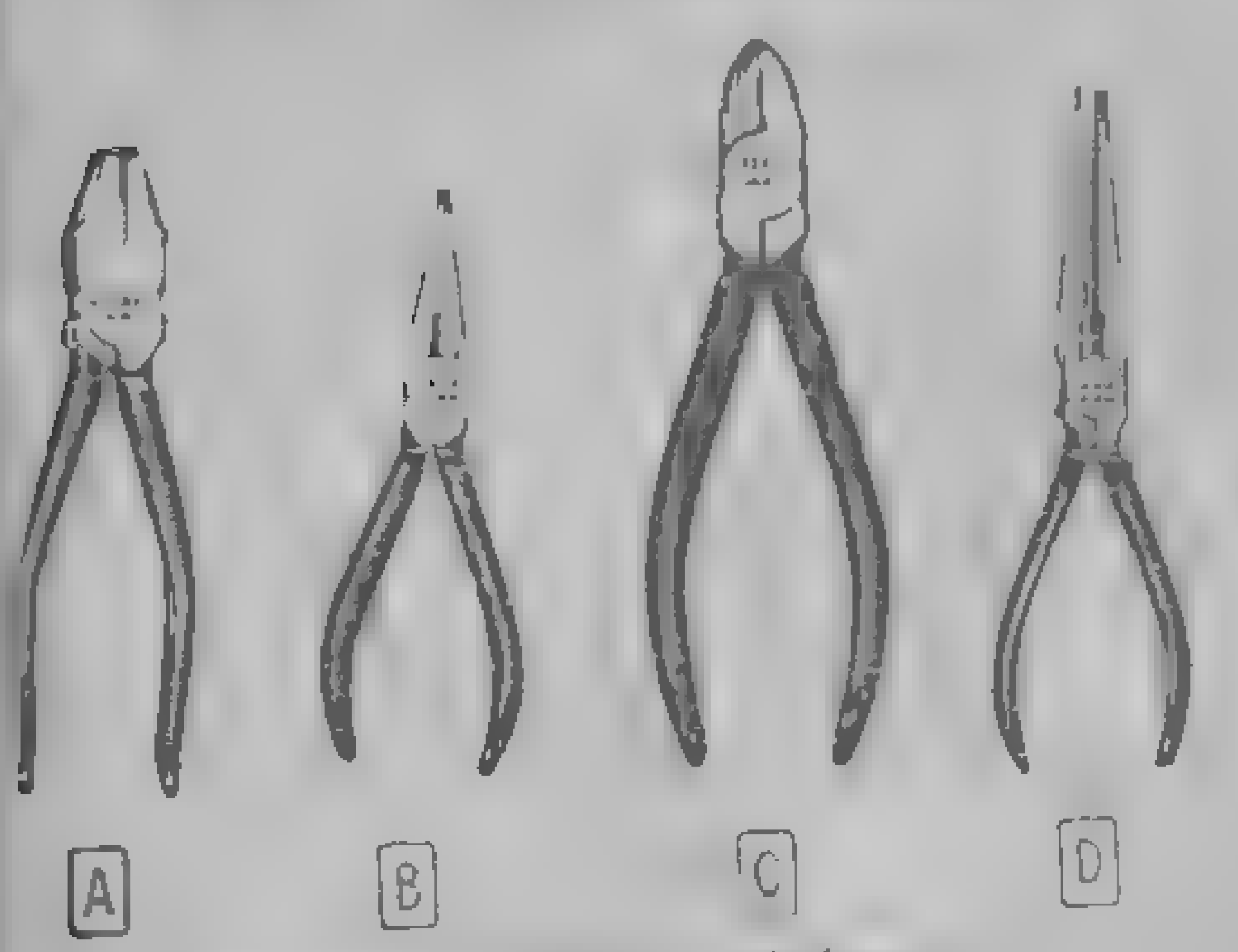
Type 10-DC. Rugged, heavy-duty tool. Applies tremendous pressure with minimum effort—up to 1000 lbs.! Non-slip grip holds objects of any shape. Can be used as quick-clamp, pipe wrench, toggle press, or hand vise. Finger-tip release opens wrench instantly. Knurled-head adjustable bolt sets tool for sizes up to 1½″. Nickel-plated hardened steel. 10″ long. Shpg. wt., 1¼ lbs.
46 N 434. NET 1.72

Knight, Clauss, Walden, Utica Hand Tools

KNIGHT HAND TOOLS

A top quality line of hand tools made especially for Allied by leading domestic tool manufacturers. Carefully manufactured to Allied's rigid specifications, these fine tools offer high quality at an extremely low price. Industrial plants, schools, and shops can obtain substantial savings by taking advantage of the quantity prices shown below.

KNIGHT TOP-VALUE PLIERS

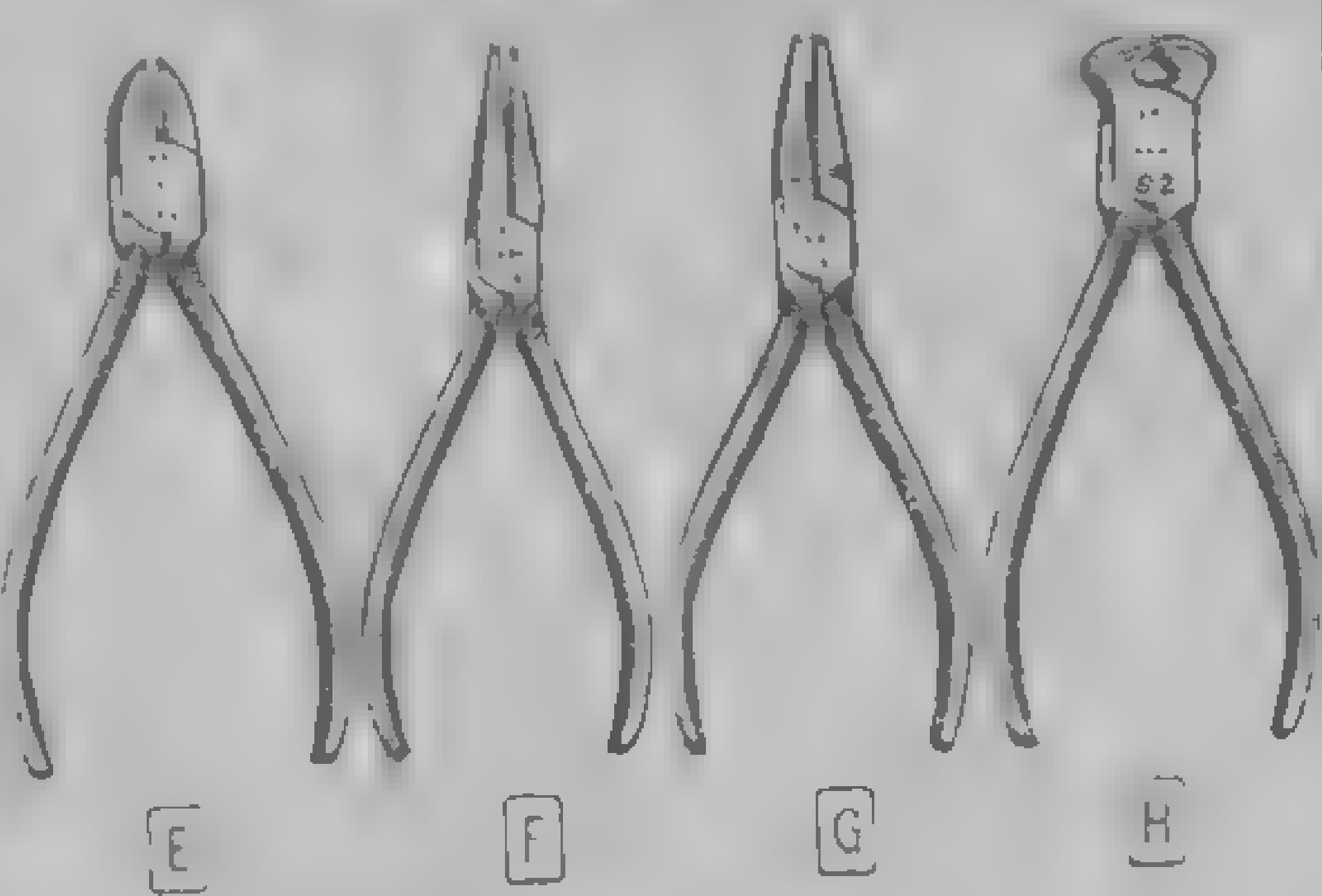


- Unsurpassed Tool Values
- One-Year Guarantee
- High-Grade Carbon Steel
- Made by Leading Manufacturer

Knight pliers offer exceptionally high quality at an economy price. Listed below are the most popular types used in service shops, labs, and production lines. Made by one of the nation's leading tool manufacturers to meet Allied's exacting specifications. Rigid quality control conditions through each step of production insure highest quality finished products. Drop forged from high grade carbon steel and carefully heat treated to give optimum temper for maximum durability. Resist abrasion and wear. Built for years of dependable service. Precision machined, fitted and adjusted for reliable performance and maximum ease of handling. All have semi polished heads and comfortable, cushion grip handles. Av. shpg. wt., 10 oz.

Stock No.	Fig.	Description	NET EACH 1-5	NET EACH 6-Up
50N 131	A	6¾" Side-cutting pliers	1.89	1.68
50N 132	B	6" Chain-nose with cutters	2.10	1.86
50N 210	B	6" Chain-nose Pliers	1.72	1.52
50N 133	C	5" Diagonal cutting pliers	1.84	1.63
50N 134	C	6" Diagonal cutting pliers	2.12	1.88
50N 135	D	7" Chain-nose with cutters	2.50	2.23

KNIGHT JEWELERS' PLIERS

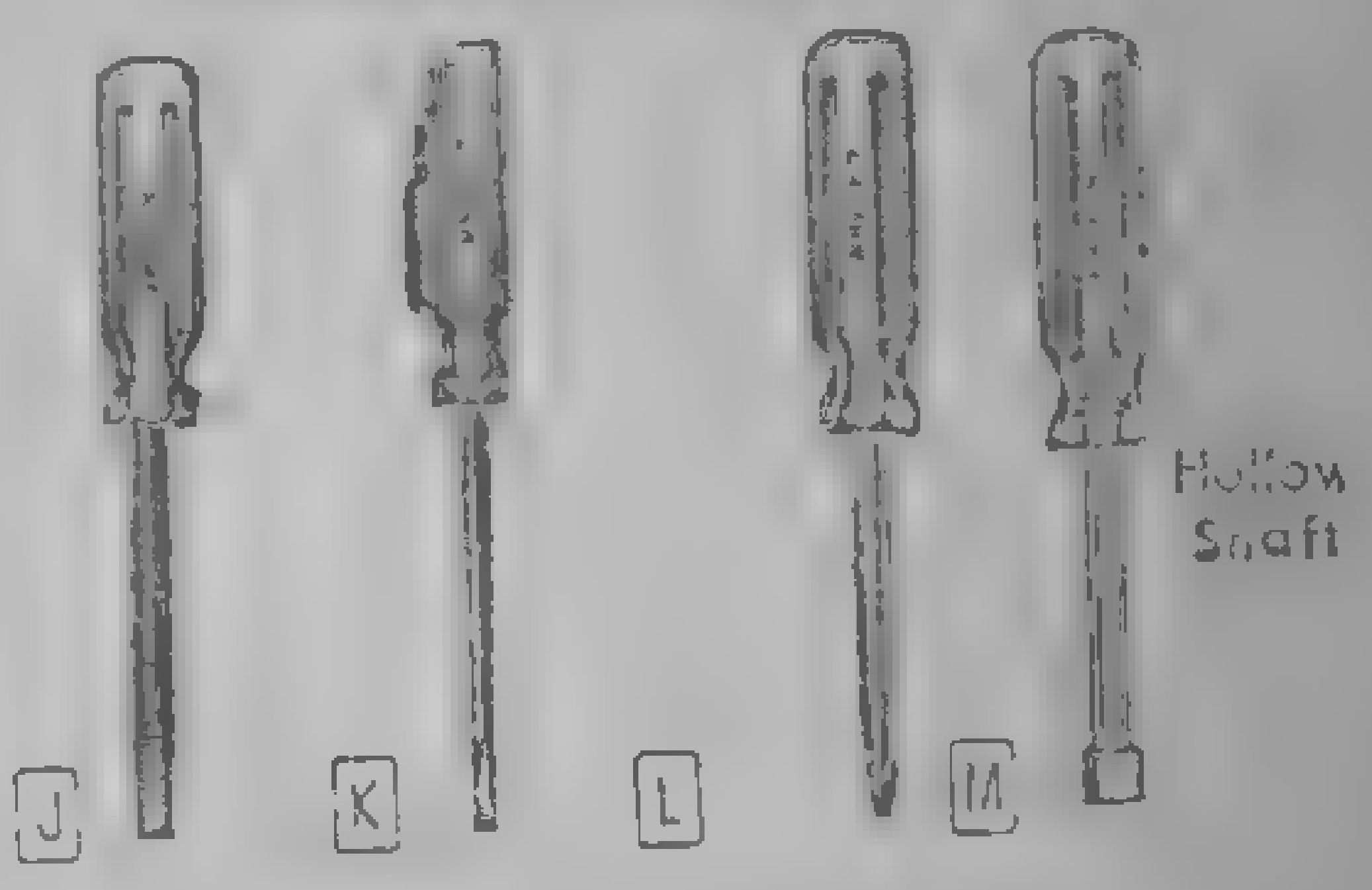


- Have Plastic Cushion Grips
- Precision-Made for Accurate and Exacting Work
- Forged from Selected Tool Steel

Precision made pliers for work on miniaturized electronic assemblies and all types of delicate mechanisms. Units are carefully designed and built to Allied's exacting specifications by master craftsmen. Feature comfortable plastic cushion grips for long hours of continuous, fatigue-free use. Widely used by engineers, electronic technicians, watchmakers, hobbyists, etc. Pliers are drop-forged from high-quality tool steel and heat treated for maximum hardness and durability. Tempered to resist abrasion and wear—provide years of dependable service. Accurately machined for top performance and easy handling. All have full, machine-polished finish. *Chain nose and flat nose pliers have smooth jaws with no cutters; both have 1 1/32" inside length, chain nose tapers to 1/32" point, flat nose to 5/32" point. Av. shpg. wt., 5 oz.

Stock No.	Fig.	Description	NET EACH 1-5	NET EACH 6-Up
45N 370	E	4½" Diagonal Cutting Pliers	2.05	1.82
45N 371	F	4½" Chain Nose Pliers*	1.92	1.72
45N 372	G	4½" Flat Nose Pliers*	1.92	1.72
45N 373	H	4½" End Cutting Pliers	2.35	2.12

SCREWDRIVERS—NUT DRIVERS



KNIGHT SCREWDRIVERS

Top-quality, round shaft screwdrivers. Have tough chrome-vanadium steel shafts imbedded in rugged "Amberyl" plastic handles. *No. 1 Phillips. †No. 2 Phillips. §With pocket clip.

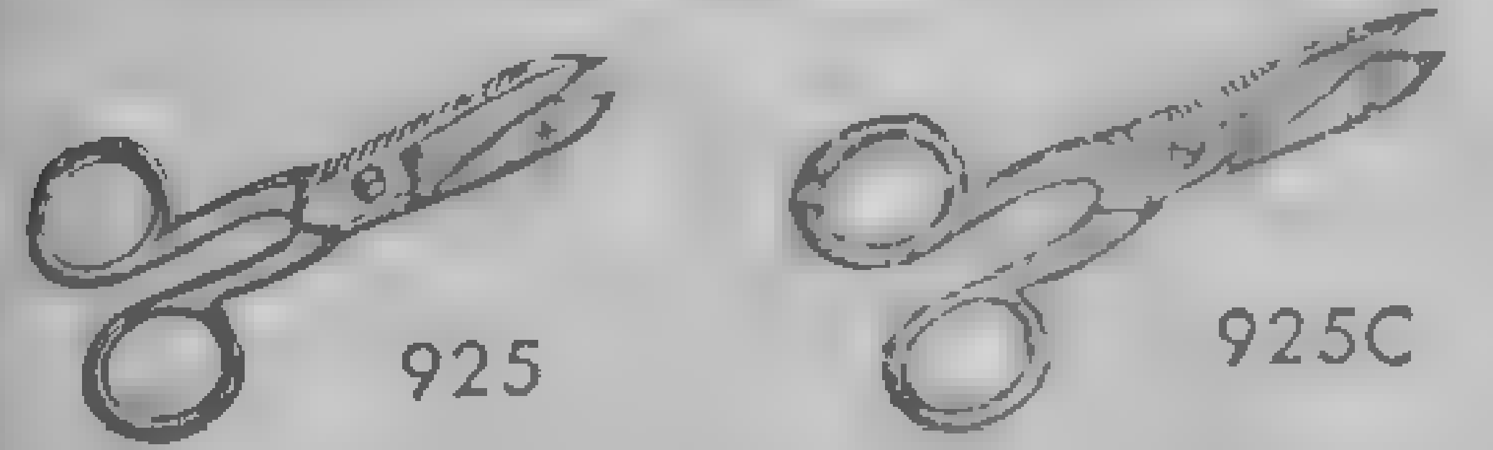
Stock No.	Fig.	Shaft	Lgth.	Wt.	1-5, EA.	6-Up, EA.
45 N 374	J	3/16x4"	6¾"	2 oz.	.31	.27
45 N 375	J	⅛x6"	8¾"	2 oz.	.34	.29
45 N 376	J	⅛x8"	10¾"	2 oz.	.40	.35
45 N 377	J	¼x4"	7⅝"	4 oz.	.59	.51
45 N 378	J	¼x6"	9⅝"	4 oz.	.64	.56
45 N 379	J	¼x8"	11⅝"	7 oz.	.67	.59
45 N 380	K	3/32x3"§	5½"	2 oz.	.24	.22
45 N 381	K	⅛x3"§	4⅞"	2 oz.	.20	.18
45 N 382	L	3/16x3"*	6½"	2 oz.	.56	.49
45 N 383	L	¼x4"†	7⅝"	6 oz.	.67	.59

KNIGHT HEX NUTDRIVERS

M Quality hollow shaft nut drivers. Have steel shafts set in rugged "Amberyl" plastic handles; hardened sockets for extra long wear.

Stock No.	Nut Size	Length	Wt.	1-5, EA.	6-UP, EA.
45 N 384	3/16"	6¾"	2 oz.	.64	.56
45 N 385	¼"	6¾"	2 oz.	.64	.56
45 N 386	5/16"	6¾"	2 oz.	.64	.56
45 N 387	11/32"	6¾"	2 oz.	.64	.56
45 N 388	⅜"	6¾"	2 oz.	.64	.56
45 N 389	7/16"	6⅞"	4 oz.	.79	.70
45 N 390	½"	6⅞"	4 oz.	.79	.70

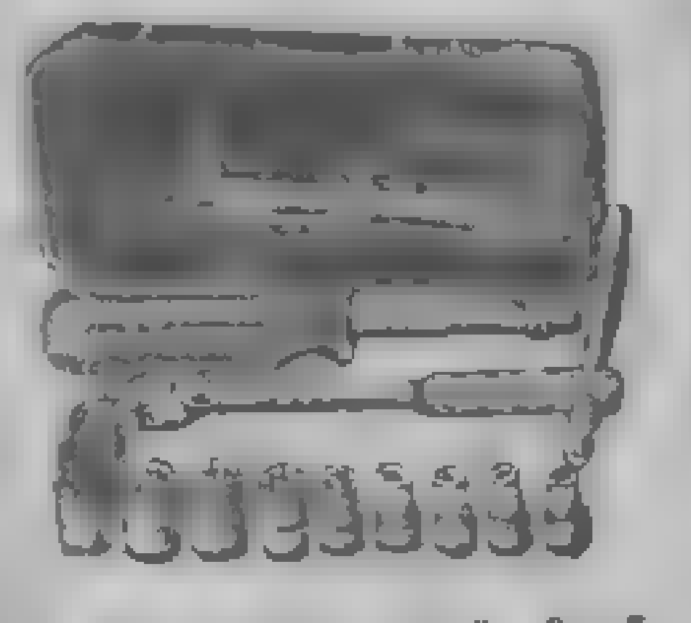
CLAUSS INDUSTRIAL SCISSORS



A selection of special-purpose scissors and shears. Type 925 are electrician's scissors. Made of finest cutting steel—nickel plated. 925C same but has wire stripping notches on back of blade. Type 4217 (not illus.) are industrial shears. 4218 are identical but larger.

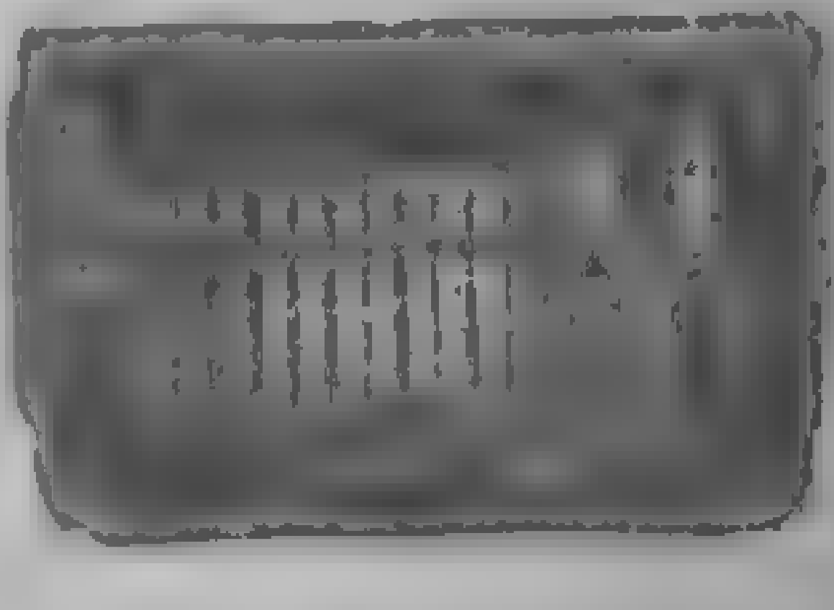
Stock No.	Mfr's Type	Length	Cut Length	Wt. Oz.	NET EACH
45 N 896	925	5"	1¾"	3	1.84
45 N 842	925C	5"	1¾"	3	2.14
46 N 305	4217	7"	3¼"	5	3.31
46 N 304	4218	8"	4"	6	3.67

STEVENS-WALDEN TOOL SETS



Model 3100S 14. Compact, 14-piece socket set covers majority of hex-head bolt and nut sizes encountered in radio, television and hi-fi servicing. Ideal for carrying in tool boxes. Set includes: universal joint handle with sliding "T" bar; one straight spin type driver with amber plastic handle. 3/32", 3/16", ¼", 9/32", 5/16", 11/32", ⅜" and 7/16" hex sockets; 3 double-square sockets in 3/16", ¼" and 5/16" sizes. Universal joint in handle makes it easy to reach hard to get at places. Tools have bright chrome finish. In sturdy steel case with handsome red enamel finish. Shpg. wt., 1½ lbs.

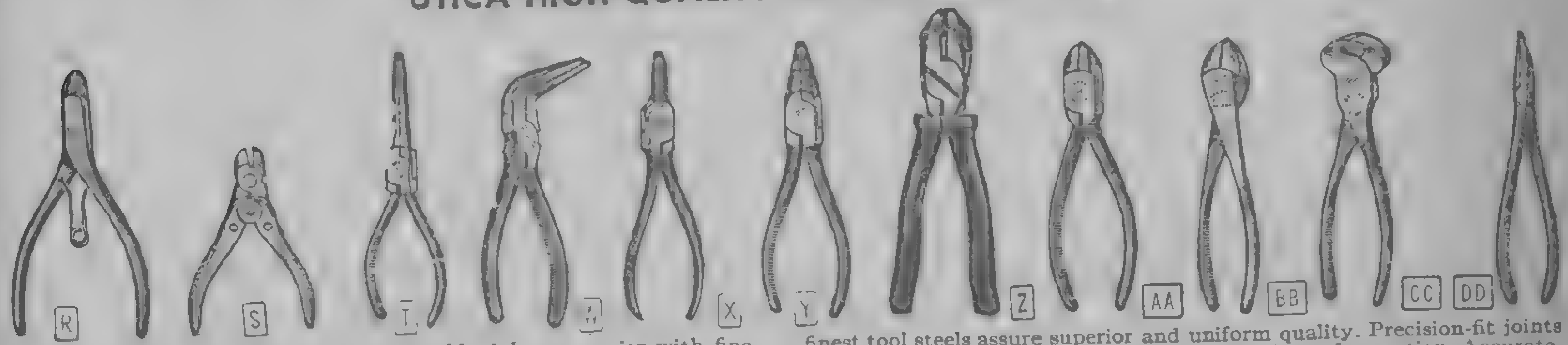
46 N 165. NET PER SET............5.52



Model 3800B15 "Spintite." Deluxe 15-piece radio and electrical set. An extremely handy kit—covers a majority of the jobs encountered by radio-TV repairmen, electronic technicians, and home hobbyists. Includes 7 hex wrenches in following sizes. 3/16", ¼", 5/16", 11/32", ⅜", 7/16" and ½"; three screwdrivers; one combination reamer and awl; and one universal handle which holds all tool shafts. Also includes 6" long-nose pliers, 5" diagonal cutters, and insulated screwdriver. With tool roll. 2¼ lbs.

46 N 055. NET PER SET..........13.59

UTICA HIGH-QUALITY CUTTERS AND PLIERS



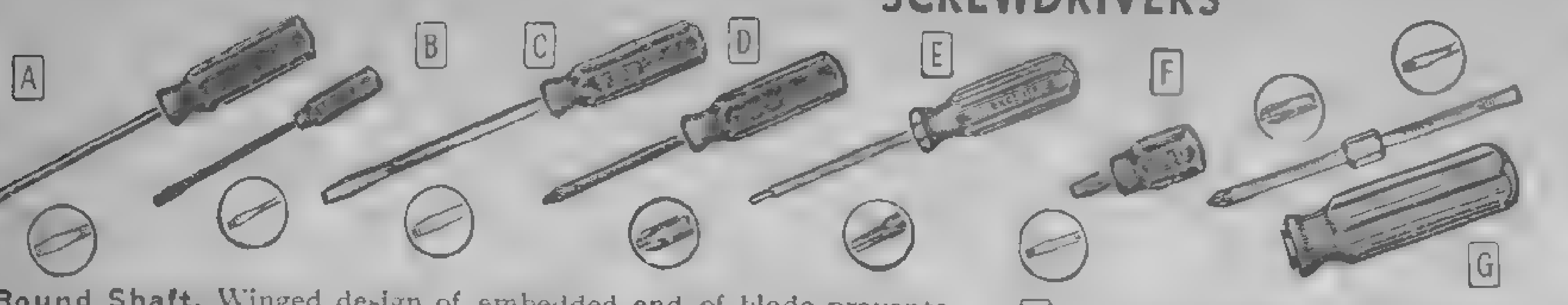
Electrical wiring, repair work and assembly jobs are easier with fine-quality tools. Utica supplies a wide variety of pliers, cutters and snips that are ideal for use by manufacturers, servicemen, Amateurs—any who insist on tools offering the utmost in smooth action, dependability and long life. Scientifically controlled heat treating and hardening of the finest tool steels assure superior and uniform quality. Precision-fit joints provide free, positive action under all conditions of operation. Accurate, easy cutting and gripping are assured by careful alignment of jaws and cutting edges. Handles are of proper size and shape for comfortable grip and balance. Av. shpg. wt., 10 oz.

Stock No.	Fig.	Type	Description	NET
46 N 425	R	101	4½" Midget Scissors-Type Snips	2.81
46 N 466	S	470-5	5" Printed Circuit Cutting & Crimping Snips	3.46
50 N 167	T	775	5½" Long Nose Pliers	2.53
46 N 475	T	777	6" Long Needle Nose Pliers	2.38
46 N 476	W	888	6" Curved Needle Nose Pliers	2.70
46 N 426	X	896	6" Cutting and Stripping Pliers	3.09

Stock No.	Fig.	Type	Description	NET
46 N 478	Y	2291	6" Insulation Skinning Pliers	2.59
46 N 489	Z	3350	6" Linemen's Side Cutters	3.46
46 N 470	AA	45	6" Aviation Diagonal Cutters	2.83
46 N 471	BB	40	7" High Leverage Diagonal Pliers	2.59
46 N 474	CC	260	7" End Cutting Nippers	3.09
46 N 477	DD	82	8" Assembly Pliers, Needle Nose	2.46

XceLite Nutdrivers & Screwdrivers

SCREWDRIVERS



High-quality, rugged scr drivers in choice of blade s and lengths. Highly polish chrome vanadium steel sh imbedded in tough Xce plastic handles—will not loo even under rigorous use turning of blade in handle. H dles fluted for sure grip. For l and heavy-duty use.

A **Round Shaft.** Winged design of embedded end of blade prevents turning of blade in handle. Available in lengths from 4¼" to 12".

Stock No.	Mfr's Type	Shaft Size		Overall Length	Shpg. Wt.	NET EACH
		Dia.	Length			
43 N 845	R-182	1/8"	2"	4½"	3 oz.	.33
43 N 846	R-184	1/8"	4"	6½"	3 oz.	.39
43 N 847	R-186	1/8"	6"	8½"	4 oz.	.42
43 N 848	R-188	1/8"	8"	10½"	4 oz.	.54
45 N 795	R-144	1/4"	4"	8"	6 oz.	.75
45 N 796	R-146	1/4"	6"	10"	6 oz.	.78
45 N 797	R-148	1/4"	8"	12"	7 oz.	.84

B **Set-Screw Types.** High-quality precision-ground, narrow-blade screwdrivers designed to fit standard set-screws in knobs, pulleys, couplers, etc. Have convenient pocket clips.

43 N 830	R-3323SS	3/32"	3"	5"	2 oz.	.27
43 N 831	R-184SS	1/8"	4"	6"	2 oz.	.27

C **Square Shaft.** Available in lengths from 7⅝" to 18".

Stock No.	Mfr's Type	Shaft Size		Overall Length	Shpg. Wt.	NET EACH
		Dia.	Length			
43 N 829	S-3164	3/16"	4"	7⅝"	4 oz.	.66
43 N 832	S-144	1/4"	4"	8"	6 oz.	.81
43 N 833	S-146	1/4"	6"	10"	6 oz.	.87
43 N 834	S-148	1/4"	8"	12"	7 oz.	.96
43 N 837	S-388	3/8"	8"	12⅜"	1 lb.	1.38
43 N 838	S-3812	3/8"	12"	18"	1¼ lb.	1.98

D **Phillips Screwdrivers.** *Stubby type. †With pocket clip.

Stock No.	Mfr's Type	Shaft		Overall Length	Shpg. Wt.	NE EAC
		Tip	Length			
45 N 345	P-12S†	No. 0	2"	4"	3 oz.	.3
43 N 876	X-101	No. 1	3"	6⅜"	5 oz.	.6
43 N 877	X-108	No. 1	6"	10"	5 oz.	.7
43 N 878	X-102	No. 2	4"	7¾"	6 oz.	.87
43 N 879	X-1020	No. 2	10"	13¾"	8 oz.	1.17
43 N 881	X-103	No. 3	6"	10"	10 oz.	1.17
43 N 882	SX-101	No. 1	*	2¾"	3 oz.	.63
43 N 883	SX-102	No. 2	*	3¼"	5 oz.	.6

E **Clutch Head Screwdrivers.** Fit clutch head screws used in sh metal assemblies, electronic gear, etc. Non-friction hold type.

50 N 144	G183	1/8"	4"	6½"	3 oz.	.72
50 N 145	G5324	5/32"	4"	7½"	4 oz.	.81
50 N 146	G3164	3/16"	4"	7½"	4 oz.	.8

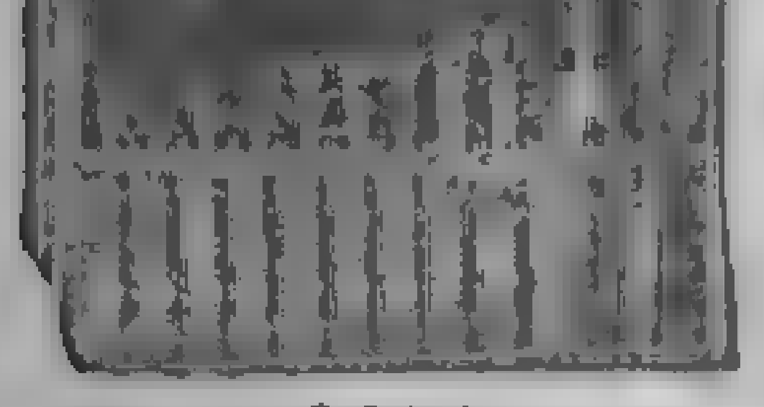
F **Stubby Screwdriver** ¼" square shaft, polished blade. Ideal for w in cramped space.

43 N 844	S-141	Regular	1¼"	3¼"	5 oz.	.51

G **Combination-Blade Screwdrivers.**

Stock No.	Mfr's Type	Blade Combination	Overall Length	Shpg. Wt.	NE EAC
45 N 746	CR1	3/16" Regular #1 Phillips	7"	4 oz.	1.3
45 N 747	CR2	1/4" Regular #2 Phillips	7"	5 oz.	
45 N 748	CR3	5/16" Regular #3 Phillips	7"	10 oz.	

HEX NUTDRIVER SETS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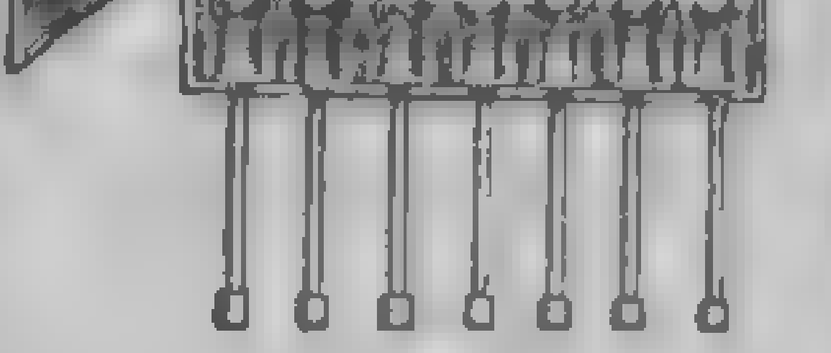
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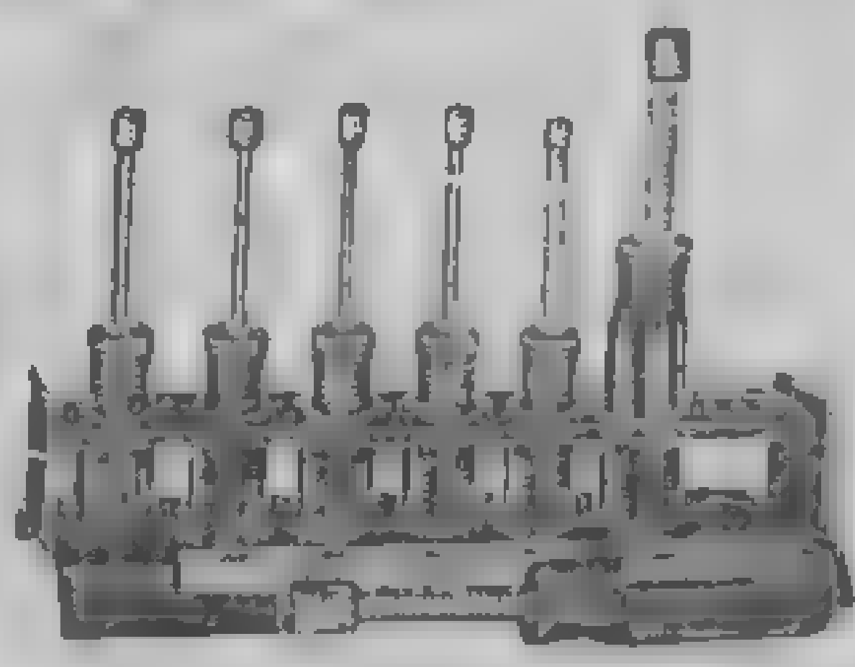
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17

MODEL 99PR NUT & SCREWDRIVER SET

Versatile, chrome-plated 13-piece set in durable, plastic roll up kit. Includes 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" and 1/2" nut drivers; 2 combination screwdrivers (3/16" and 9/32" standard, No. 1 and No. 2 Phillips); rugged plastic handle Shpg. wt., 2 lbs.

45 N 738. List, $14.45. **NET**.... .. 8.67

Model 99X10 8"-Extension. For above 5 oz.

45 N 787. List, $1.45. **NET**........ 87¢

MODEL 127 NUTDRIVER SET

Versatile set of quality tools with shockproof, breakproof handles. Color coded plastic handles indicate socket sizes instantly. Sockets are deep enough to handle two nuts. Depth of shaft hole, 1¼" Includes 7 wrenches, sizes 3/16" to 3/8" in 1/32" steps. Blades are nickel plated. Sturdy metal holder in red wrinkle finish. Can be fastened to wall for added convenience. Hinged cover can be closed over tool handles and padlocked. Size, 7½x7¼x1¼". Shpg. wt., 2¼ lbs

45 N 735. List, $9.60. **NET** 5.76

MODEL 137 NUTDRIVER SET

7 color-coded nutdrivers with self supporting rack. Ideal for workshop table. Colors and sizes: black—3/16", red 1/4", yellow—5/16", green—11/32", blue—3/8", red 1/2", and brown—9/16". Polished steel shanks The 1/2" and 9/16" drivers have hollow shafts for use when tightening nuts over long screws Shpg wt , 3 lbs

45 N 734. List, $10 70. **NET** 6.42

MODEL 17 NUTDRIVER SET

Seven nutdrivers in the most commonly used sizes for radio TV work A valuable addition to any work bench With durable color-coded plastic handles and polished alloy steel shanks. Sizes and colors: black 3/16", brown—7/32", red — 1/4", orange— 9/32", amber 5/16", green 11/32" and blue—3/8" Set includes metal rack for holding nut drivers in an upright position when not in use Shpg wt., 2½ lbs

45 N 733. List, $9 05. **NET** 5.43

Model 147 Nutdriver Set. Same as Model 17 Set except with hollow shafts 2 lbs.

47 N 092.............................7.17

XCELITE SERVICE MASTER KIT

Handles 99% of Service Calls

Type 99SM Service Master Kit. Versatile set of high quality tools which meets almost every radio-TV servicing need

Set contains: long-nose pliers; diagona pliers, 6" adjustable wrench; nine regula nutdrivers in sizes from 3/16" through 1/2" 1/4" stubby nutdriver; 5/16" stubby nu driver, 3/8" stubby nut driver; 3/16" slotte screwdriver, 9/32" slotted screwdriver, No 1 Phillips screwdriver, 1/8"-3/8" reamer 1/4" 1/2" reamer; 8" extension; regular handle, stubby handle.

All tools are made of tough alloy steel an have highly polished nickel-chrome finish Roll up kit with separate pocket for eac tool is included. Shpg wt , 2¼ lbs

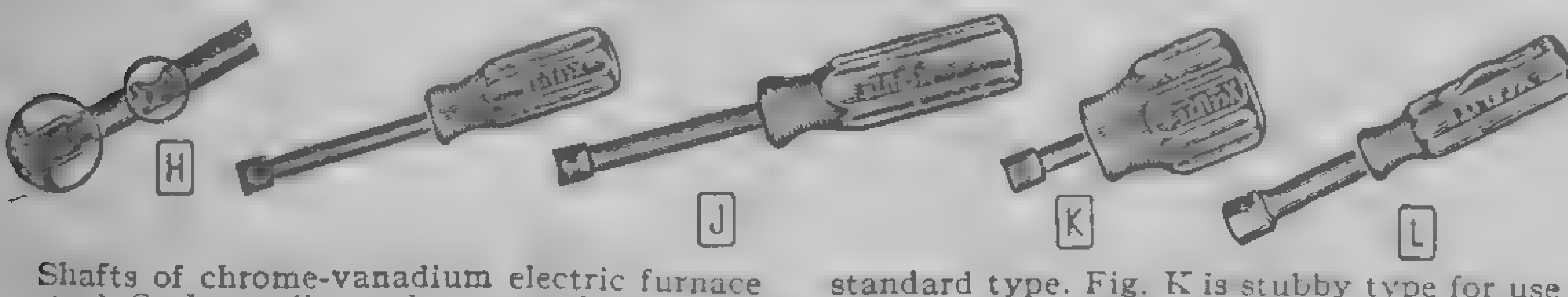
43 N 884 List, $37 25. **NET** 22.35

SERIES 99 INTERCHANGEABLE TOOLS

Series "99" tools are replacements in serv men's sets (99PR and 99SM listed on this pag Handle used interchangeably with screwdrive and nut driver blades listed. Av. wt., 3 oz.

Stock No.	Type	Description	NET
45 N 327	99-1	Regular handle	69¢
45 N 328	99-6	3/16" Nutdriver	54¢
45 N 329	99-7	7/32" Nutdriver	54¢
45 N 330	99-8	1/4" Nutdriver	54¢
45 N 331	99-9	9/32" Nutdriver	54¢
45 N 332	99-10	5/16" Nutdriver	54¢
45 N 333	99-11	11/32" Nutdriver	54¢
45 N 334	99-12	3/8" Nutdriver	54¢
45 N 335	99-14	7/16" Nutdriver	72¢
45 N 336	99-16	1/2" Nutdriver	72¢
45 N 337	99-81	3/16" and 9/32" slotted screwdriver	90¢
45 N 338	99-82	No. 1 and No. 2 Phillips screwdriver	90¢
45 N 339	99-83	3/16" and 9/32" Reed & Prince screwdriver	90¢
45 N 787	99X10	Extension	87¢

HEX NUTDRIVERS

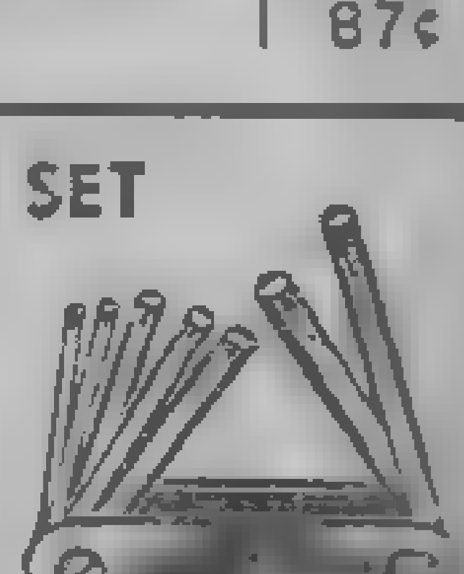


Shafts of chrome-vanadium electric furnace steel. Socket wells are deep enough to handle two nuts simultaneously. All XceLite nutdrivers have color-coded, plastic handles. Fig. H shows types having a hollow shaft for tightening nuts on long screws. Fig. J is standard type. Fig. K is stubby type for use where space is limited. Fig L is a pocket style nutdriver with clip and hexagonal handle. Type HS-18 fits 9/16" volume control nuts. Shpg. wt., 6 oz., except models S-8, S-10, S-12, which are 5 oz.

Stock No.	Mfr's Type	Fig.	Nut Size	Handle	Length	NET EACH
45 N 779	HS-8	H	1/4"	Red	6"	.87
47 N 093	HS-9	H	9/32"	Orange	6⅞"	.87
45 N 780	HS-10	H	5/16"	Amber	6"	.87
45 N 781	HS-11	H	11/32"	Green	6"	.90
45 N 782	HS-12	H	3/8"	Blue	6"	.90
45 N 783	HS-14	H	7/16"	Brown	7"	1.02
45 N 784	HS-16	H	1/2"	Red	7"	1.05
45 N 785	HS-18	H	9/16"	Orange	7"	1.08
45 N 786	HS-20	H	5/8"	Amber	7"	1.23
45 N 813	6	J	3/16"	Black	6"	.72

Stock No.	Mfr's Type	Fig.	Nut Size	Handle	Length	NET EACH
45 N 814	7	J	7/32"	Brown	6"	.72
45 N 857	S-8	K	1/4"	Red	3¼"	.57
45 N 858	S-10	K	5/16"	Amber	3¼"	.57
45 N 859	S-12	K	3/8"	Blue	3¼"	.57
45 N 324	P-3	L	3/32"	Amber	3⅜"	.48
45 N 325	P-4	L	1/8"	Red	3⅜"	.48
45 N 326	P-5	L	5/32"	Amber	3⅜"	.48
50 N 141	P-8	L	1/4"	Red	3⅜"	.48
50 N 142	P-10	L	5/16"	Amber	3⅜"	.48
50 N 143	P-12	L	3/8"	Blue	3⅜"	.48

VLCHEK HEX KEY WRENCH SET

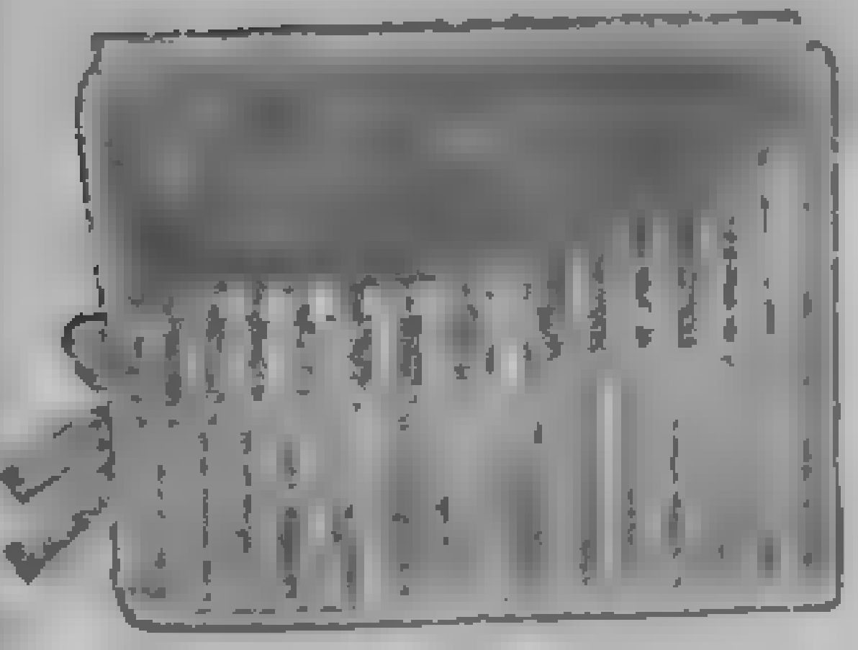


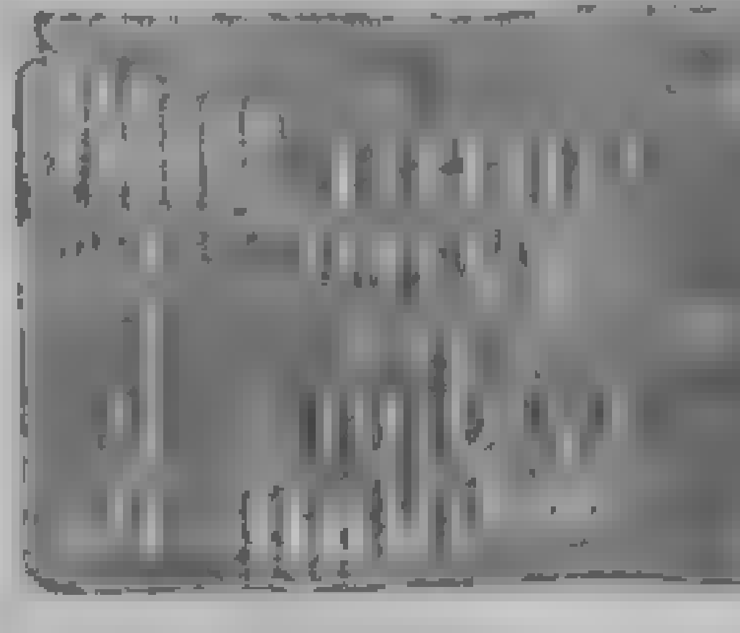
Hardened nickel-chrome alloy steel wrenches. Fitted in a steel frame like pocket-knife blades. Sizes from .050" to 3/16". Plastic case. 4 oz.

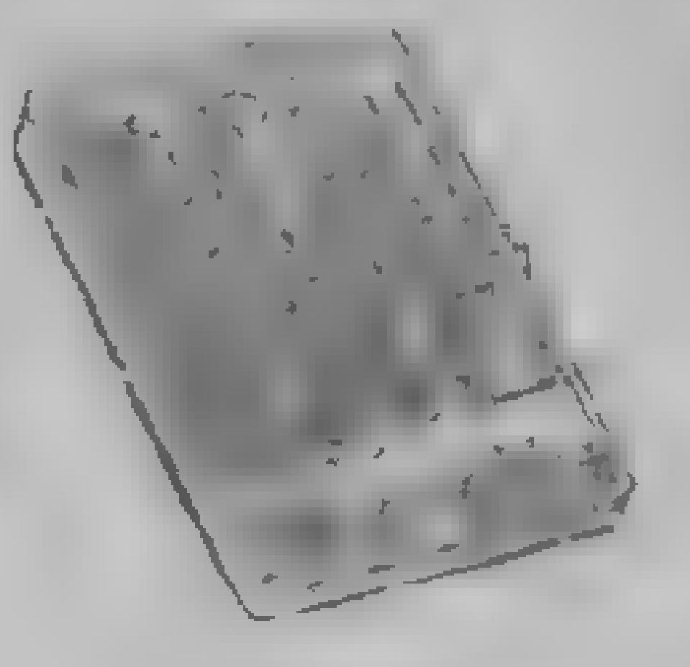
50 N 128. NET.......88c

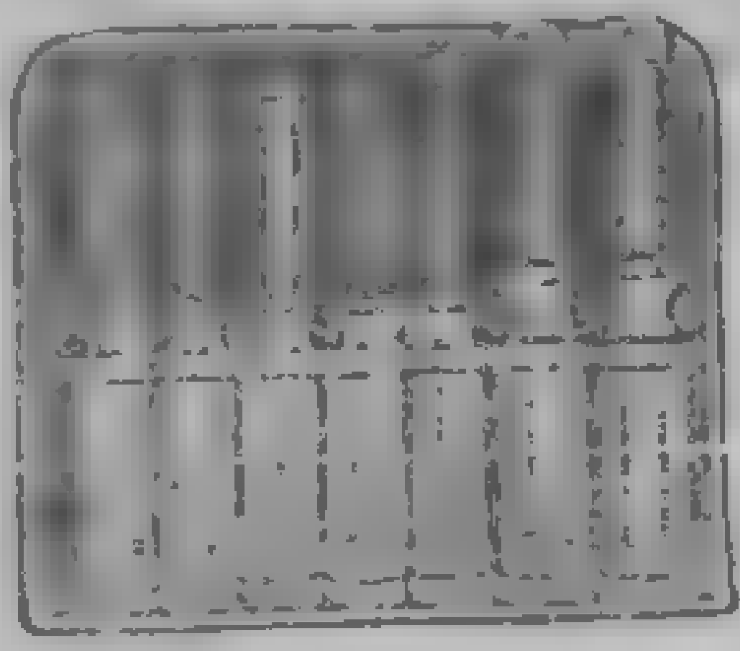
Screwdrivers and Hex-Nut Drivers

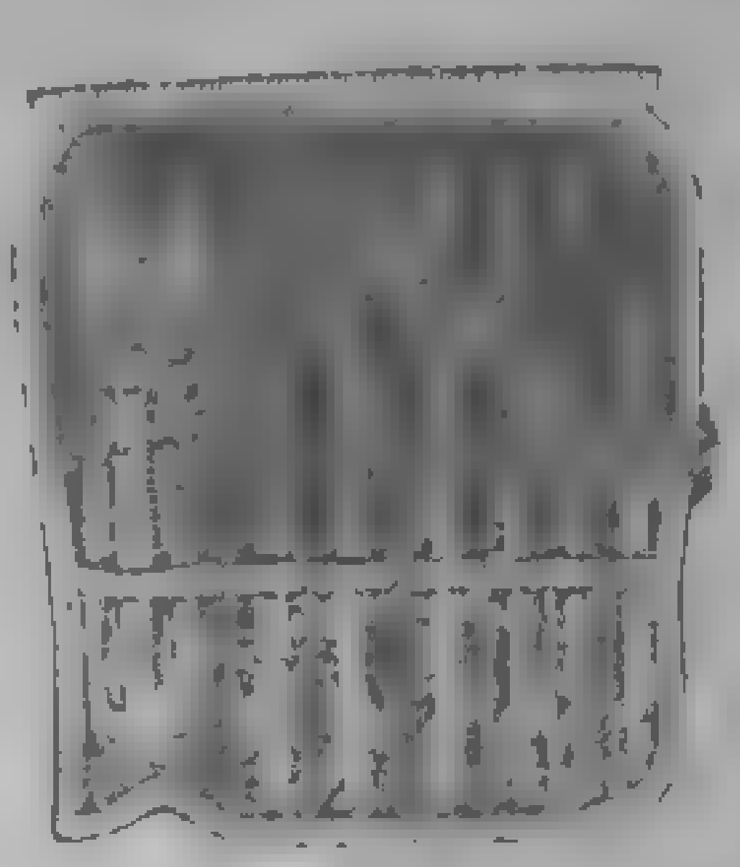
VACO TOOL SETS


RT-14


TV-27


SP-500


K-7


ZA-70

P550

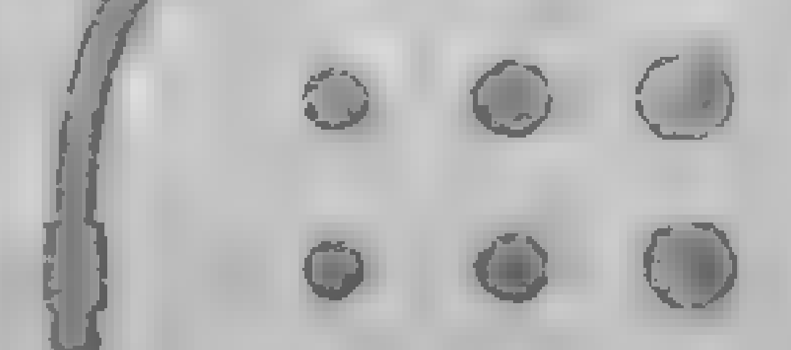
HANDY COMBINATION KIT

Type RT-14. All blades fit the shock-proof Amberyl handle provided. Kit includes: Handle; 6" extension piece; 7 nut drivers, sizes 3/16", ¼", 5/16", 11/32", ⅜", 7/16", ½"; 2 Phillips drivers, No. 1 and No. 2; and 3 regular drivers, sizes ⅛", 3/16" and ¼". All drivers are of high-quality chrome-alloy steel. With 14-section leatherette tool roll. Shpg. wt., 1½ lbs.
45 N 829. List, $11.20. **NET**..........8.78

27-PIECE TV AND RADIO KIT

Type TV-27. Includes: 1 medium and 1 heavy-duty handle; #1 and #2 Phillips bits; ⅛", 3/16" and ¼" regular bits; 6" bit extension; 3/16", ¼", 5/16", 11/32", ⅜", 7/16" and ½" hex-nut bits; 1 medium and 1 small offset regular screwdriver; ¼" stub; 3/32" pocket-clip; #1 Phillips; ⅛" screw-holding; ⅛" insulated-blade; 3/16" screw-holding; 3/16" insulated-blade screwdrivers; 3/16" metal-tip aligner; ⅛"x10" non-magnetic adjuster; 3/32" fiber television aligner. Shpg. wt., 2½ lbs.
45 N 831. List, $24.70. **NET**..........19.36

FLEXIBLE-DRIVE SOCKET SET

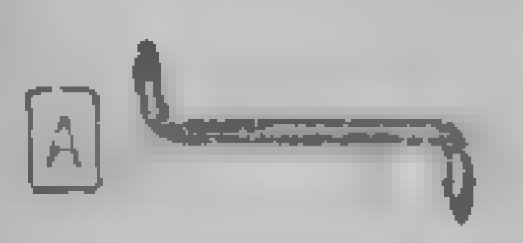


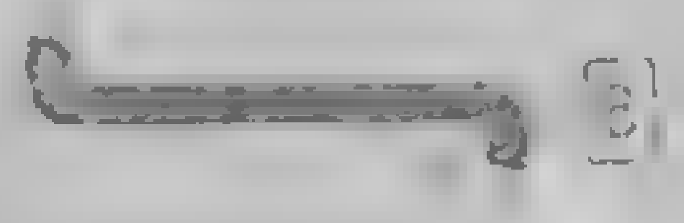
Excellent for use around corners and out-of-the-way places. Extremely handy in the radio-TV service shop. Shaft is made of tough, laminated steel wires. Transmits full twisting power from handle to hex nut. Thick cadmium plating. Shockproof amber handle. 8¾" overall length. Includes 6 hex sockets, sizes: ¼", 5/16", 11/32", ⅜", 7/16", ½". With plastic case. 10 oz.
46 N 067. NET. 1.96

FLEXIBLE-SHAFT SOCKET DRIVER

A versatile flexible-shaft ¼" square driver for socket wrenches. Flexible shaft permits working around corners for driving or removing bolts and nuts in hard-to-get-at places. Ideal for radio-TV servicemen, industrial repairmen, Hams, hobbyists and homeowners. Has rugged, hardened alloy steel head set on a laminated, flexible steel shaft. Handle is made of unbreakable plastic for dependable service. 6⅝" long. Driver only. Shpg. wt., 6 oz.
50 N 224. NET..........................94c

OFFSET SCREWDRIVERS





Excellent for spots inaccessible to standard types. Heat-treated and tempered steel with screwdriver blade at each end.

A For Phillips screws, sizes 1 to 9. 4¾" long. Shpg. wt., 4 oz.
45 N 835. NET..........................51c

B For standard screws. ⅜" blades. 4½" long Shpg wt., 4 oz.
43 N 843. NET..........................54c

10-PIECE SOCKET SET

Handy 10-piece socket set. Contains 8 popular-sized heavy-duty sockets; 3-position handle; and 3½" extension bar for hard-to-reach places. Five 6-point sockets fit commonly used hex nut sizes: 3/16", 7/32", ¼", 9/32" and 5/16". Three 12-point sockets: 11/32", ⅜" and 7/16". Rugged, versatile handle locks in 3 different positions: right, left and straight. Has unbreakable amber plastic handle [illegible]sion adds extra length, for reaching into out-of-the-way spots. 6½" long, plus 3½" extension. Shpg. wt., 1 lb.
46 N 404. NET..........................1.19

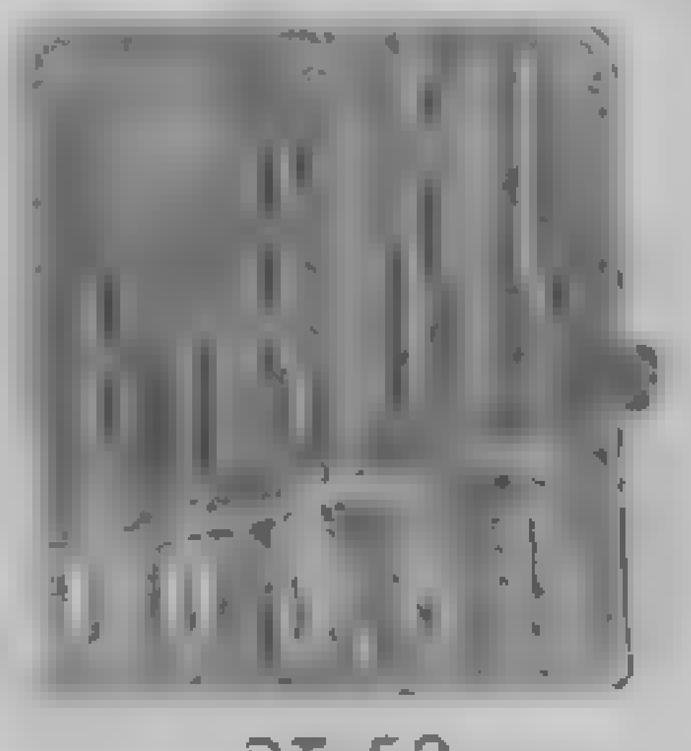
NUT DRIVER KIT

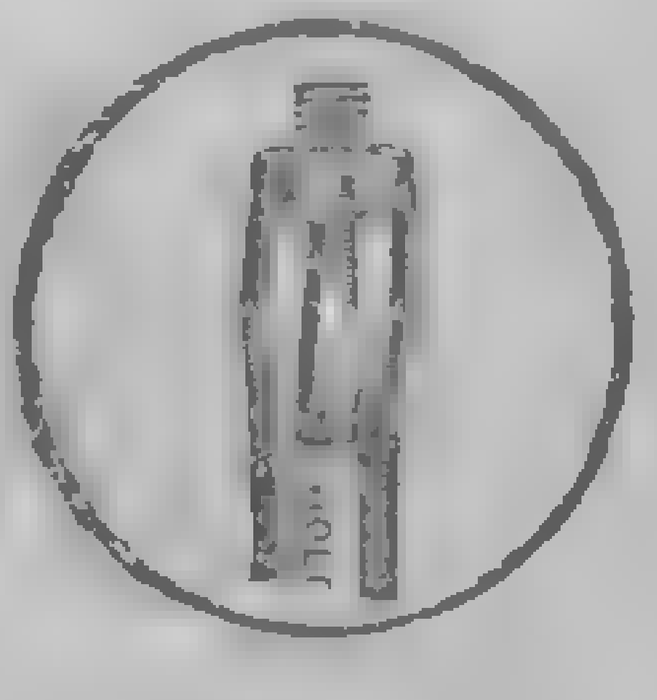
Type SP-500. New, 5-piece set of high-quality nut drivers. Contains drivers for the five most popular hex nut sizes. Sizes are: 3/16", 5/16", ⅜", ¼" and 11/32". Have full polished chrome shafts and extra large, colored-for-size, comfort-designed handles. Specially treated sockets assure long-wearing use—fit long bolt extensions. Furnished in durable two-tone plastic box with hinged cover. A valuable service aid. Size of box, 5x7x2". Shpg. wt., 2 lbs.
43 N 982. List, $5.00. **NET**..........3.88

HOLLOW-SHAFT HEX DRIVER SET

Type K-7. This high-quality set includes 7 hex-nut drivers with color-keyed handles. Permits immediate selection of correct hex driver for the job. All-hollow shafts. Sure-grip handles; extra-hard sockets. Supplied in convenient, plastic tool roll with individual holders marked for size and color. Shaft length, 3". For hex-nut sizes: 3/16", ¼", 5/16", 11/32", ⅜", 7/16" and ½". Shpg. wt., 1½ lbs.
43 N 906. List, $8.00. **NET**..........6.29

"HOLD-E-ZEE" SCREWDRIVER KITS

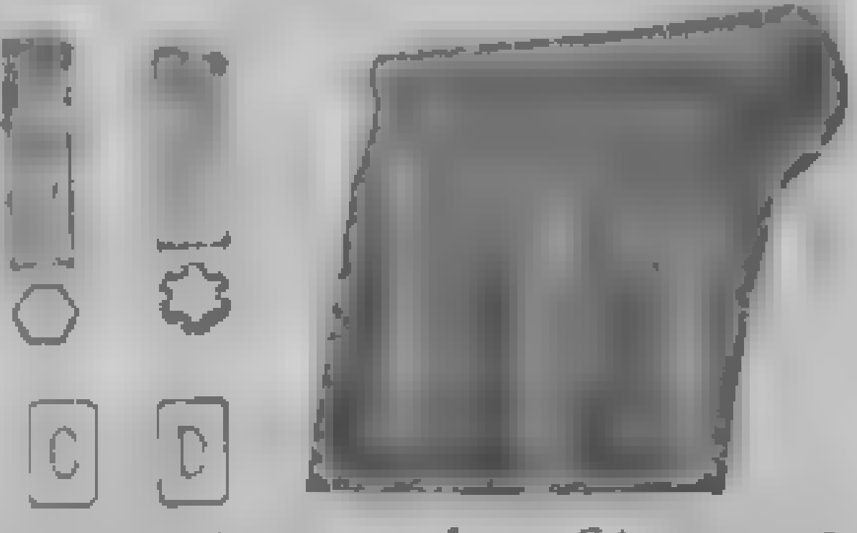

RT-52


Special Bit

Type RT-52. Top-quality screwdriver kit for electronic use. Includes one each: TR-4, with [illegible] blade; PR-4, 5/32x4", for Phillips head [illegible] R-6, 5/32x6"; TR-8, 5/32x8"; TS-7, 7/32x [illegible] gripper holds screws for starting in difficult-to-reach places. Handles have exclusive "lock-block" construction to prevent blade from twisting. Blades are chrome-vanadium steel. In handy, easy-to-carry roll pouch. Shpg. wt., 1¼ lbs.
43 N 972. List, $4.50. **NET**..........3.31

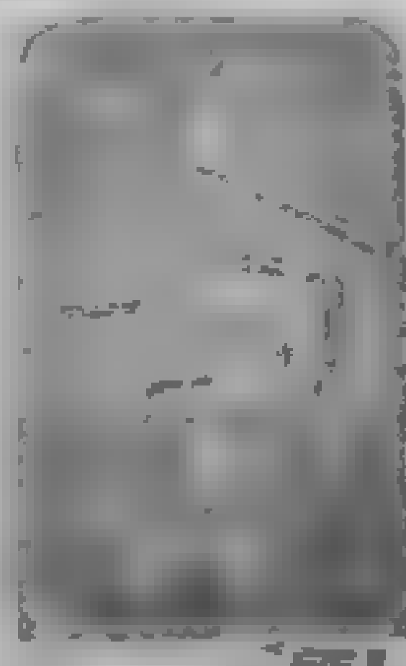
Type TK-5. Similar to above, but for mechanics and car owners. Has 1 each: TS-4, 7/32x4"; PS-4, 7/32x4", for Phillips head screws; TH-6, 5/16x6". Also one each of TR-4 and PR-4 described above. 1½ lbs.
43 N 971. List, $5.25. **NET**..........3.86

MINIATURE WRENCH SETS
WALSCO HEX & SPLINE WRENCHES



An extremely useful assortment of hex and spline wrenches. Contains 11 of the most commonly used sizes in electronic equipment. Key-type, L-shaped wrenches fit screws ranging in size from No. 2 to ⅜". 7 are hex or Allen type (see Figure C above). The remainder are 4 different sizes in spline or Bristol keys (see Figure D). Precision-forged from high-grade carbon steel for exact fit. Neatly packed in a leatherette case. Shpg. wt., ½ lb.
46 N 166. List, $2.25. **NET**..........1.32

H. H. SMITH WRENCH SET



Excellent set of 6 L-shaped wrenches to fit 7 most popular-sized Allen-head screws. Nos. 4, 5, 6, 8 and 10 as well as ¼" and 5/16" sizes. Made of extremely tough "Alenoy" steel. Keys are neatly packed in convenient, leatherette case which fits into pocket. Shpg. wt., 3 oz.
46 N 072. 1-11, NET EACH..........71c
12 sets or more, EACH..................[illegible]

7-PIECE ALLEN SET

Type ZA-70. Kit contains the 6 most popular hex key sizes—1/16", 5/64", 3/32", ⅛", 5/32" and 3/16". Furnished with a 7-section plastic tool pouch and an Amberyl handle which holds the 6 interchangeable blades. Blades are hardened tool steel. Shpg. wt., 10 oz.
50 N 383. List, $4.78. **NET**..........3.74

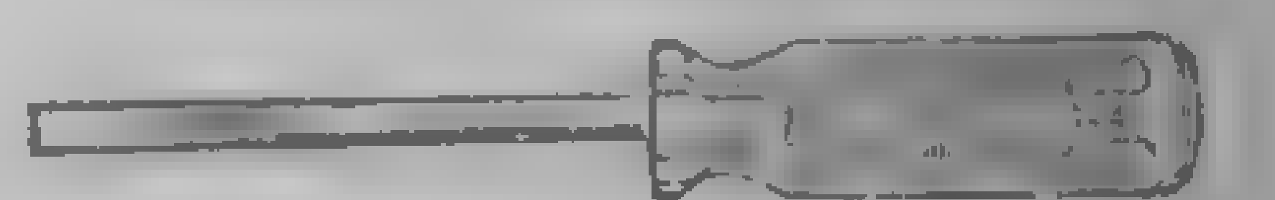
PHILLIPS SCREWDRIVER SET

Type P550. Contains five of the most popular Phillips screwdrivers. Easy-grip handles are constructed of shockproof Amberyl. Rugged, wear-resistant vanadium steel blades. Set sold as complete kit only. Shpg. wt., 1½ lbs.

Type	Overall	Blade	For Screws
P1	6½"	3/16x3"	No. 4 and smaller
P2	7⅝"	¼x4"	No. 5 to No. 9
P3	10"	5/16x6"	No. 10 to No. 16
P5	3⅞"	¼x1¾"	No. 5 to No. 9
P6	3"	3/16x1¼"	No. 4 and smaller

43 N 880. List, $5.72. **NET**............4.49

VACO HIGH TENSION TESTING SCREWDRIVER



Type AN-2. Handy pocket-clip model with neon bulb in handle. Glows bright or dim to test auto ignition or any other high voltage AC/RF source. Ideal for testing flyback transformers. 5½" long, ⅛" dia. blade. Wt., 2 oz.
43 N 745. NET......................78c

Type AN-44. As above. 7⅝x¼" dia. blade.
43 N 746. NET......................1.30

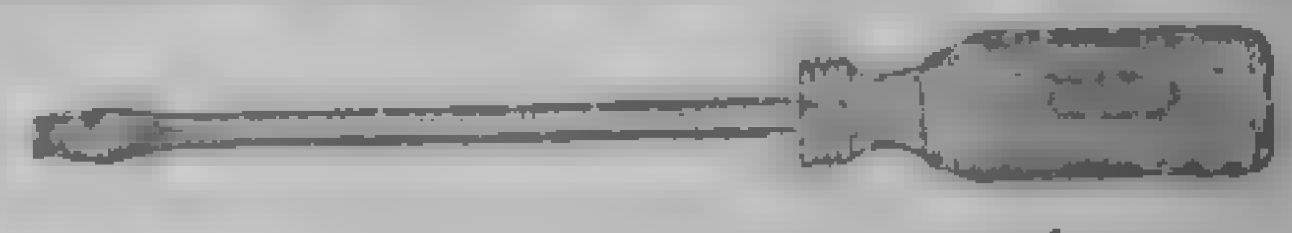
VACO INSULATED SCREWDRIVER

Type VR-261. Useful screwdriver for work in crowded "live" circuitry. Prevents shorts. 6x⅛" blade fully insulated with break-resistant plastic. Amberyl handle. Wt., 3 oz.
43 N 861. NET......................71c

VACO DOUBLE-END NUT DRIVER

Type DE-810. The two most popular hex nut drivers combined into one tool that fits in the breast pocket. Single tool takes care of most jobs. Has ¼" hex nut driver on one end, other end has 5/16" hex nut driver. Overall length, 6". Shpg. wt., 4 oz.
50 N 381. List, $1.00. **NET**........77c

BRIDGEPORT SUPER GRIP DRIVERS


Vinyl Plastic Grip ↗

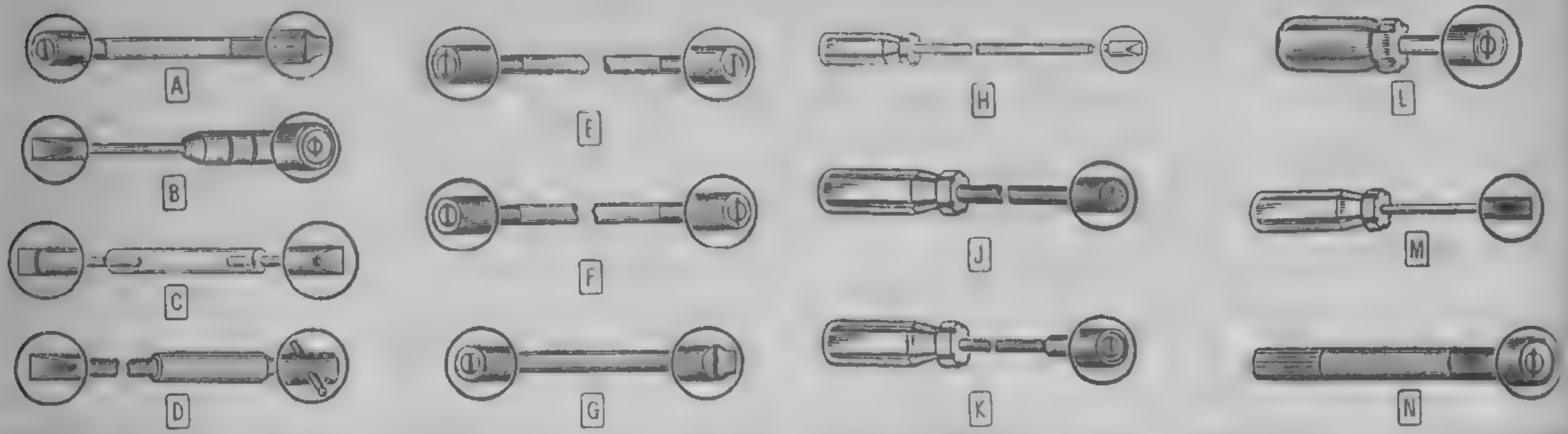
Extremely rugged, quality-made screwdrivers. Special comfort-designed vinyl plastic grip is permanently locked into an unbreakable plastic handle—will not slip, slide, twist or come off in use. Fits hand perfectly—permits high torque to be applied against stubborn screws. Shockproof handle is highly resistant to oil, water, gasoline, etc. Hot-forged steel blade is nickel-plated for extra durability. Precision cross ground points and blades assure perfect matching with screw slot.

Types 557 and 558 are electrician's types; types 559 and 560 are mechanic's types; type 561 is Phillips type with No. 1 point; 562 is Phillips type with No. 2 point.

Stock No.	Mfr's Type	Blade Size	Shpg. Wt., Oz.	NET EACH
50 N 385	557	4x3/16"	2½	44¢
50 N 386	558	6x3/16"	3	48¢
50 N 387	559	4x¼"	3	52¢
50 N 388	560	6x¼"	3½	59¢
50 N 389	561	3x3/16"	2½	56¢
50 N 390	562	4x¼"	3	63¢

Alignment Tools and Servicing Aids

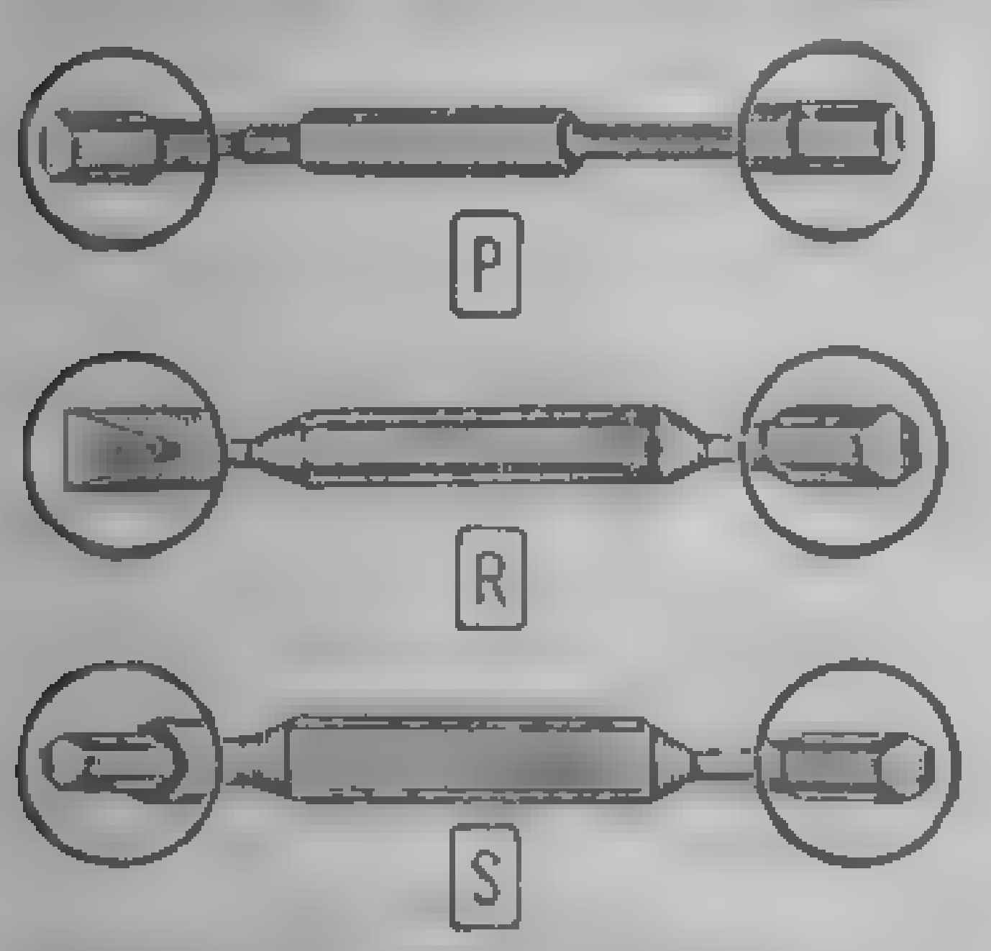
G-C TV ALIGNMENT AND TUNING TOOLS

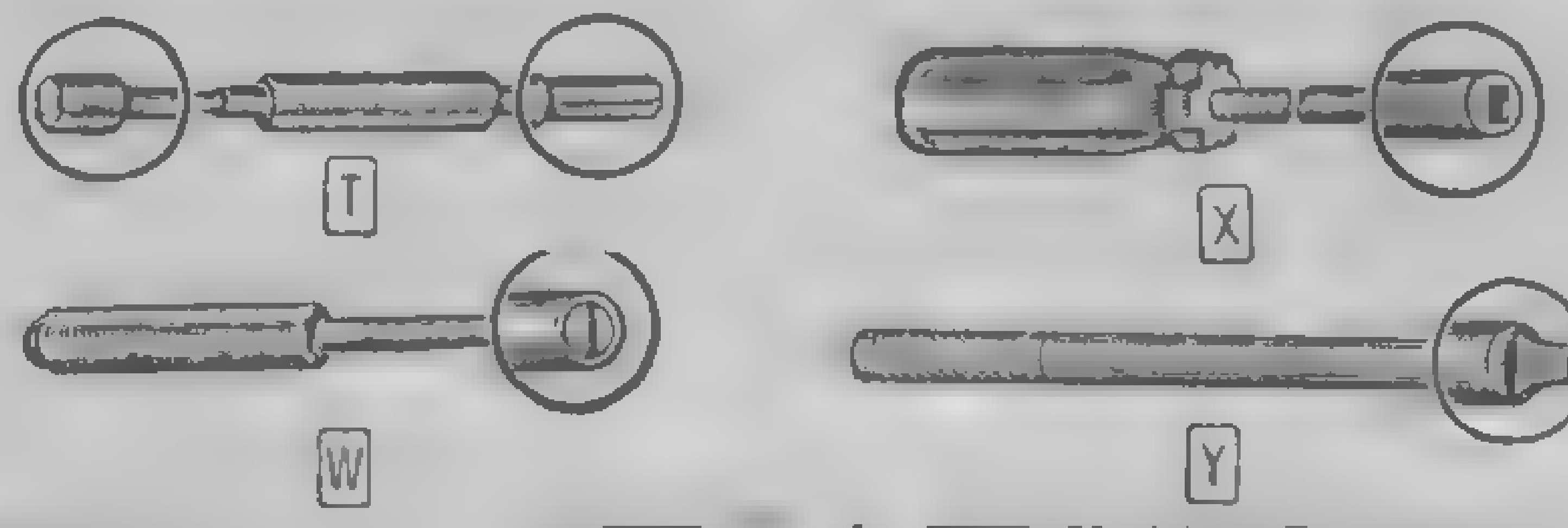


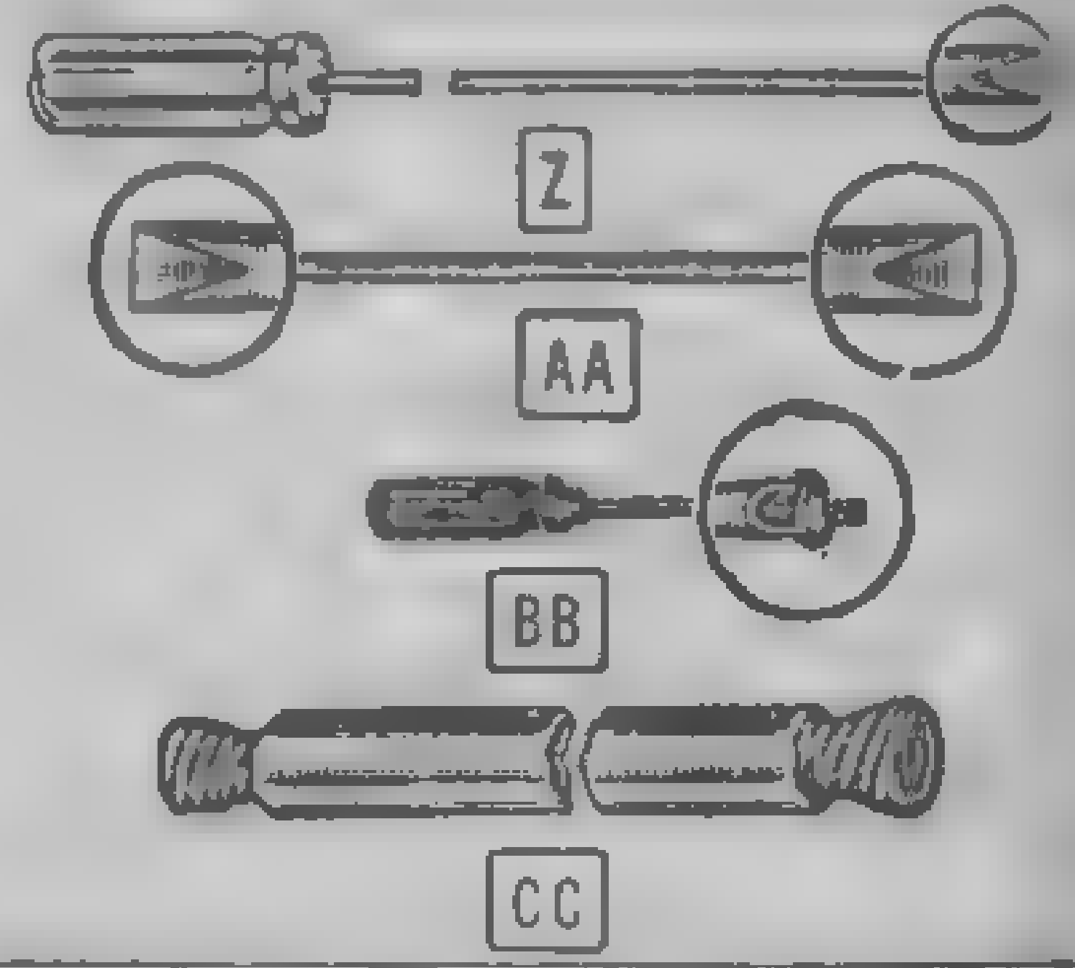
Stock No.	Type	Fig.	Description	Oz.	NET
42 N 378	8276	A	Short duplex aligner	3	50¢
42 N 381	8275	B	Zenith universal aligner	3	50¢
42 N 383	5097	C	K-tran and IF aligner	3	76¢
42 N 391	8274	D	9″ nested core aligner	3	73¢
42 N 382	8271	E	Stackpole stud-type core aligner	3	56¢
42 N 392	8721	F	9″ duplex #4 & #6 stud aligner	3	76¢
42 N 393	8722	F	7″ duplex #4 & #6 stud aligner	3	65¢
42 N 395	8277	G	2½″ duplex aligner	3	50¢

Stock No.	Type	Fig.	Description	Oz.	NET
42 N 386	8607	H	12¼″ nylon tip aligner	4	1.12
42 N 387	8605-E	....	Replacement nylon tip for above	3	.18
42 N 397	8273	J	All-purpose TV aligner	3	.68
42 N 399	8272	K	IF and oscillator aligner	3	1.09
42 N 348	9298	L	2″ blade alignment tool	5	.41
42 N 394	8195	M	Channel tuning tool	3	.71
42 N 398	8196	N	2½″ TV and FM tuning tool	3	.38

G-C WRENCHES, SCREWDRIVERS, NUT STARTER







Stock No.	Type	Fig.	Description	Oz.	NET
42 N 377	8606	P	Zenith-Admiral nylon hex wrench	3	.47
42 N 380	8282	R	Zenith wrench and aligner	3	.35
42 N 379	9091	S	.125″ hex nylon wrench	3	.47
42 N 346	9296	T	11″ nylon hex (.075″) wrench	4	.62
42 N 347	9050-L	W	Zenith nylon hex wrench	3	.47
42 N 349	6035	X	RCA VHF channel selector wrench	3	1.06
42 N 396	5000	Y	Alignment screwdriver	3	.32

Stock No.	Type	Fig.	Description	Oz.	NET
42 N 384	8988	Z	12″ blade plastic screwdriver	3	.91
42 N 385	8989	Z	16″ blade plastic screwdriver	3	1.21
42 N 388	8728-A	AA	7″ long bone-fiber screwdriver	3	.38
42 N 389	8728	AA	As above, but 12″ long	3	.44
42 N 390	8729	AA	As above, but 16″ long	3	.56
42 N 420	9347	BB	7″ tight spot steel screwdriver	3	2.20
42 N 409	9147	CC	¼″ & 5/16″ hex nut starter	3	1.50

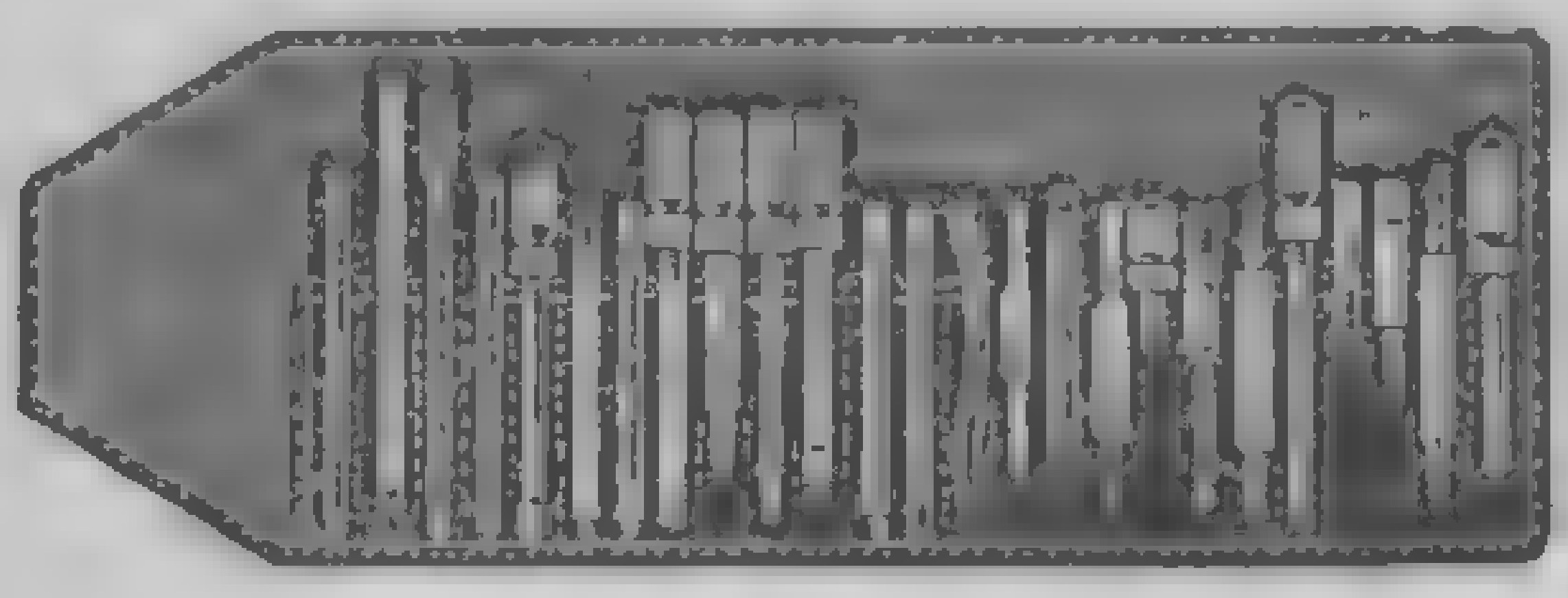
G-C TOP-QUALITY ALIGNMENT TOOL KITS

9200

Type 9200 Panel Kit. A convenient, wall-mounting type kit of the most-needed alignment tools. Contains 27 different tools for all popular makes of TV sets. Each tool has separate slot identified by shape and size number.

Tools in this kit are selected to cover most alignment jobs on all popular radio and TV sets. The finest materials are used—low-loss plastics, tips of hardened spring steel, extra-hard bone fiber that can be re-ground as tool wears.

Includes: Alignment screwdrivers in various lengths, special short tools, alignment wrenches, channel tuners, core aligners, oscillator adjustment tools, trimmer and IF aligners, solder probe tool, stainless steel brush and scraper, nylon replacement tip, special hex tools, etc. Tools are stored in three-color steel panel, drilled for two-hole mounting. 3 lbs.
42 NX 341. List, $27.50. **NET**.......**16.22**

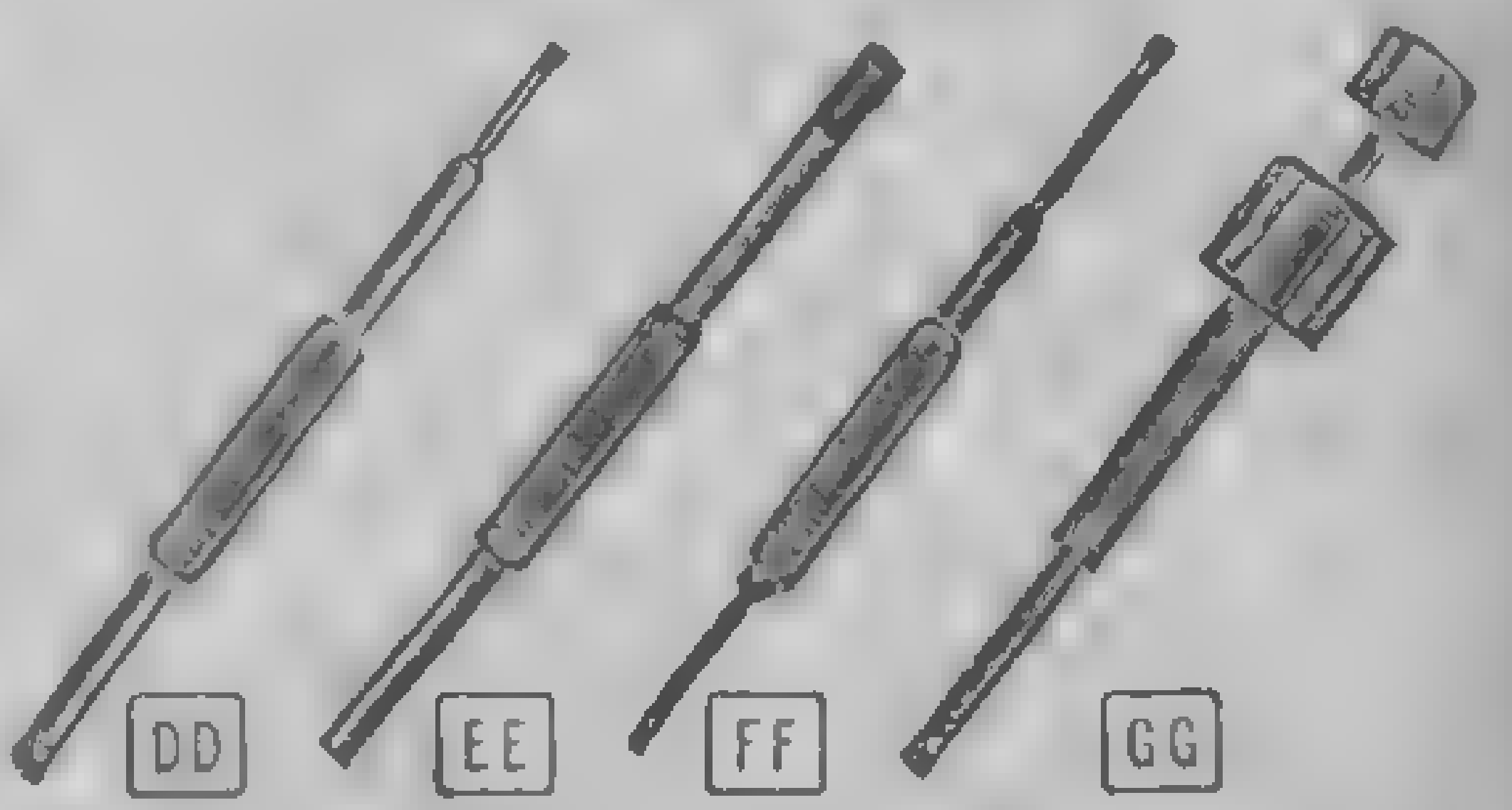


8283

Type 8283 Master Deluxe TV Tool Kit. A complete service alignment tool kit for television repair work. Contains 25 high-quality alignment tools not over 9″ long. Flexible tool-case has heavily stitched edges and fold-over flap. Includes: TV K-Tran tool, TV Core Aligner, TV Long Reach Aligner, TV Flexible Wand, TV Short Tool for IF, etc. Leatherette roll case. Shpg. wt., 1 lb.
42 N 005. List, $22.50. **NET**........**13.23**

Type 8280 Deluxe Television Alignment Tool Kit. Handy roll-type durable leatherette case with 16 specially engineered TV tools. The steel tips are all extra thin and are made of the best grade of hardened spring steel. Includes TV "Shorty," Duplex Aligner, TV Tuning Wand, TV Core Aligner, TV Oscillator Tool, TV Long Reach Aligner, etc. 8 oz.
42 N 006. List, $13.50. **NET**..........**8.10**

WALSCO TEL-A-TURN ALIGNMENT TOOLS



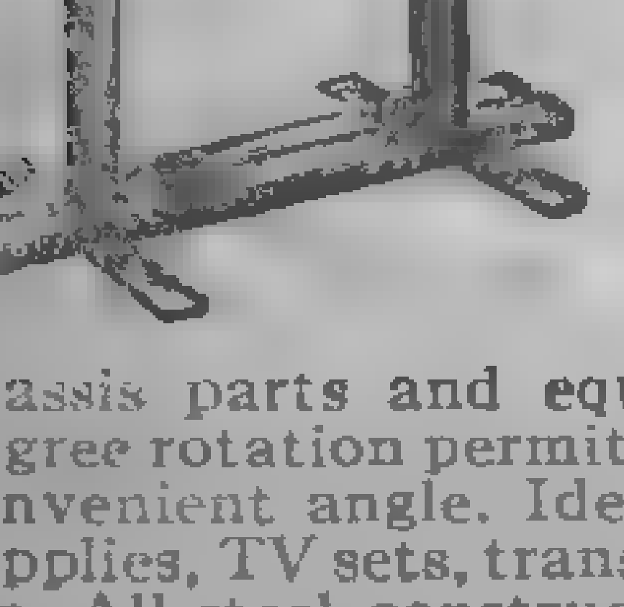
DD **No. 2587 Tel-A-Turn Screwdriver.** Tuning tool of tough fiberglas. Automatically counts turns. Standard tips on one end, small 7/64″ tip on other end. Shpg. wt., 3 oz.
42 N 342. NET........................**97c**

EE **No. 2586 Tel-A-Turn IF Aligner.** Fiberglas tuning tool that automatically counts turns. One end fits #4 stud, the other fits #6 stud. Shpg. wt., 3 oz.
42 N 343. NET........................**97c**

FF **No. 2588 Tel-A-Turn Hex Aligner.** Valuable tool of fiberglas that automatically counts turns. One end is .100″ hex, the other end is .125″ hex. Shpg. wt., 3 oz.
42 N 344. NET........................**97c**

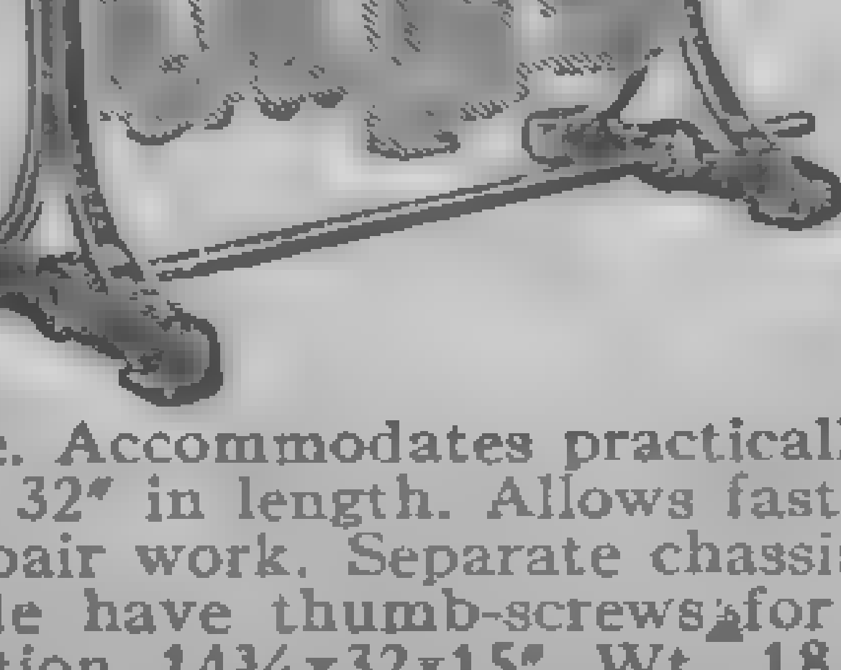
GG **No. 2589 Concentric Color-TV Tool.** New non-conductive tool for concentric type color-TV control shafts. Separate knobs for outer and inner controls. Shpg. wt., 3 oz.
42 N 345. NET........................**1.17**

G-C CHASSIS CRADLE



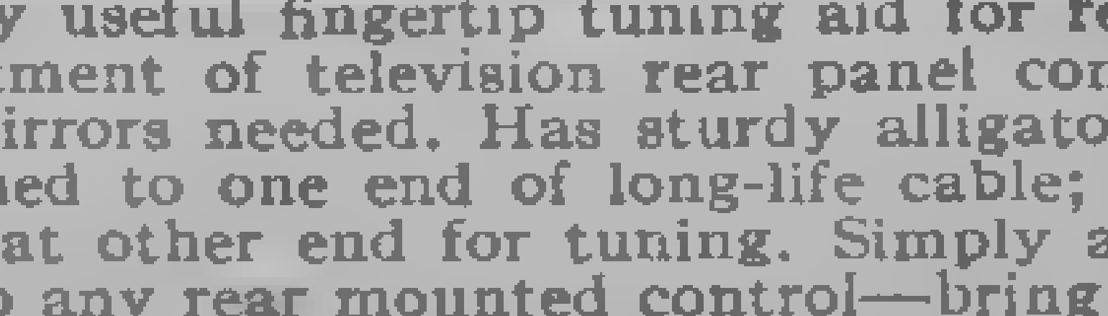
Model 6212. Easy-to-use, adjustable cradle holds chassis securely. A valuable accessory for the serviceman, builder and experimenter. Eliminates fumbling with makeshift setups to hold bulky chassis—prevents breakage of tubes or other above-chassis parts and equipment. Complete 360-degree rotation permits tilting work to the most convenient angle. Ideal for working on power supplies, TV sets, transmitters, record changers, etc. All-steel construction. Size, 24″ long, 14″ high, 12½″ wide. Shpg. wt., 7 lbs.
86 NX 034. List, $12.50 **NET**........**7.35**

JFD "REPAIRACK"

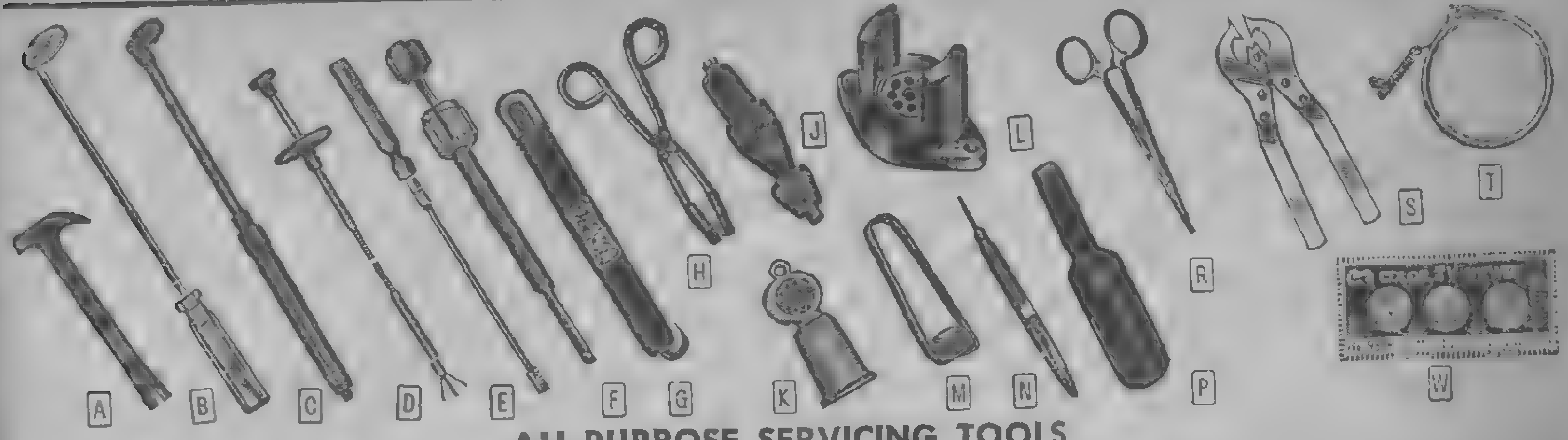


Model 79-3. Sturdy, cast-iron rack for supporting chassis. Securely holds any chassis of up to 200 lbs. Full 360-degree rotation permits positioning work to any convenient angle. Accommodates practically any chassis up to 32″ in length. Allows faster, more efficient repair work. Separate chassis clamps on each side have thumb-screws for positive holding action. 14¾x32x15″. Wt., 18 lbs.
86 NX 038. List, $45.00. **NET**......**26.46**

REAR CONTROL TV TUNING AID



Highly useful fingertip tuning aid for remote adjustment of television rear panel controls. No mirrors needed. Has sturdy alligator clip attached to one end of long-life cable; small knob at other end for tuning. Simply attach clip to any rear mounted control—bring cable around to front of television set and turn knob to make adjustments. Flexible—rolls up to carry. Overall length, 5 ft. Wt., 8 oz.
46 N 248. NET........................**2.89**



ALL-PURPOSE SERVICING TOOLS

A All-Steel Utility Hammer. Claw handle for pulling nails, dismantling cabinets, etc. Made of finest hardened and tempered steel—withstands roughest use. Excellent for use in workshop or home. Ideal size for carrying in tool box or belt. Overall length, 9½". Shpg. wt., 1¼ lbs.
43 N 900. NET......................87c

B G-C 5090 Inspection Mirror. For inspecting parts, connections, etc. in tightly wired radio and TV sets, auto radios, etc. Handy for reading parts numbers and inspecting solder and wire connections in out-of-sight places. 8" length allows user to get into crowded chassis with ease. Indispensable for radio and TV servicemen, Amateurs, experimenters, etc. Mirror dia., 1". Shpg. wt., 5 oz.
42 N 121. NET...................... 35c

C G-C 8725 Illuminated Inspection Mirror. Permits inspection of parts otherwise hidden from sight. Consists of anodized aluminum flashlight with 6" lucite rod and 1" hinge-mounted mirror. Plastic housing prevents shocks. Locking switch allows one-hand operation. With bulb. Requires 2 penlight cells (below). 12¼". Shpg. wt., 6 oz.
42 N 130. NET......................1.91

Burgess Type Z Cell. 1½-volt cell for use with 42 N 130, above. Shpg. wt., 3 oz.
53 J 031. NET EACH................10c

D Miller 345 Pick-Up Tool. Invaluable for the serviceman. Press button to open claws—release to close over object. Flexible 14" shaft. Shpg. wt., 1 lb.
42 N 014. NET......................89c

E Hunter 10TV-12 Tuning Slug Retriever. Retrieves Standard Coil slugs without removing chassis from cabinet. Automatic holding mechanism. 11" L. Wt., 2 oz.
42 N 021. List, $2.70. **NET**............2.16

10TV-16. As above but 15" long. 3 oz.
42 N 022. List, $3.25. **NET**............2.60

F New G-C 9299 Color TV Tool. For concentric shaft, color TV convergence controls. Outer sleeve fits into O.D. adjusting slot; inner drive to inner slot. 3 oz.
46 N 662. NET......................1.17

G G-C 705 Handy Trouble Light. Illuminates dark corners in chassis—excellent for visual inspection of components in cabinets, etc. Casts light without glare; small size won't get in the way. With bulb and 4½-ft. cord. For 110-120 v., AC or DC. Shpg. wt., ½ lb.
42 N 120. NET......................1.32

H G-C Type TL-201. Scissors-type tube puller with rubber tips. Unusually handy tool. Shpg. wt., 12 oz.
46 N 092. NET......................97c

J G-C Type 5093 Tube Puller. For use with 7-pin miniature tubes. Consists of durably constructed aluminum body with rubber cup. Shpg. wt., 2 oz.
46 N 094. NET......................1.06

G-C Type 8106. As above, but designed for 9-pin miniature tubes. Shpg. wt., 2 oz.
46 N 155. NET......................1.06

K G-C Type 9130 Tube Gadget. 3 tools in one. Quickly and easily straightens 7 or 9 pin miniature tube pins; pulls tubes. Extremely helpful where pins have been bent. 3 oz.
42 N 016. NET......................65c

L G-C Type 5191. Precision-built pin straightener for 7-pin miniature tubes. Features a ruggedly constructed steel die for lasting service. Shpg. wt., 6 oz.
46 N 227. NET......................73c

G-C Type 8105. As above, but for use with 9-pin tubes. Shpg. wt., 6 oz.
46 N 228. NET......................73¢

G-C Type 8655. (Not illustrated.) Valuable, dual-service pin straightener. Accommodates both 7-pin and 9-pin miniature tubes. A "must" for radio-TV servicemen. Shpg. wt., 6 oz.
46 N 230. NET......................1.47

M Knob-Puller. A very helpful tool kit item. Knob-puller easily removes all types of hard-to-grip, push-on knobs. Simply place blades in back of knob, close handles, and pull forward. Prevents damaging either knob or cabinet. Shpg. wt., 4 oz.
46 N 077. NET......................32c

N Pres-To-Oiler. Press on plunger to release one drop of oil. Prevents over-oiling. Transparent fountain-pen reservoir holds oil supply. Also ideal for dispensing radio and TV chemicals in hard-to-reach places. Contains oil—ready to use. Shpg. wt., 3 oz.
46 N 065. NET......................95c

P New G-C Type 5650 Color TV Cheater. Allows bypass of interlock on early model RCA color sets. Hi-voltage probe is placed through "cheater". Shpg. wt., 2 oz.
45 N 660. NET......................58c

R New Xcelite Type 42H "Seizer." Convenient straight nose "third hand" that holds dial cords, wires for soldering, etc. Stainless steel. Shpg. wt., 3 oz.
45 N 666. NET......................4.27

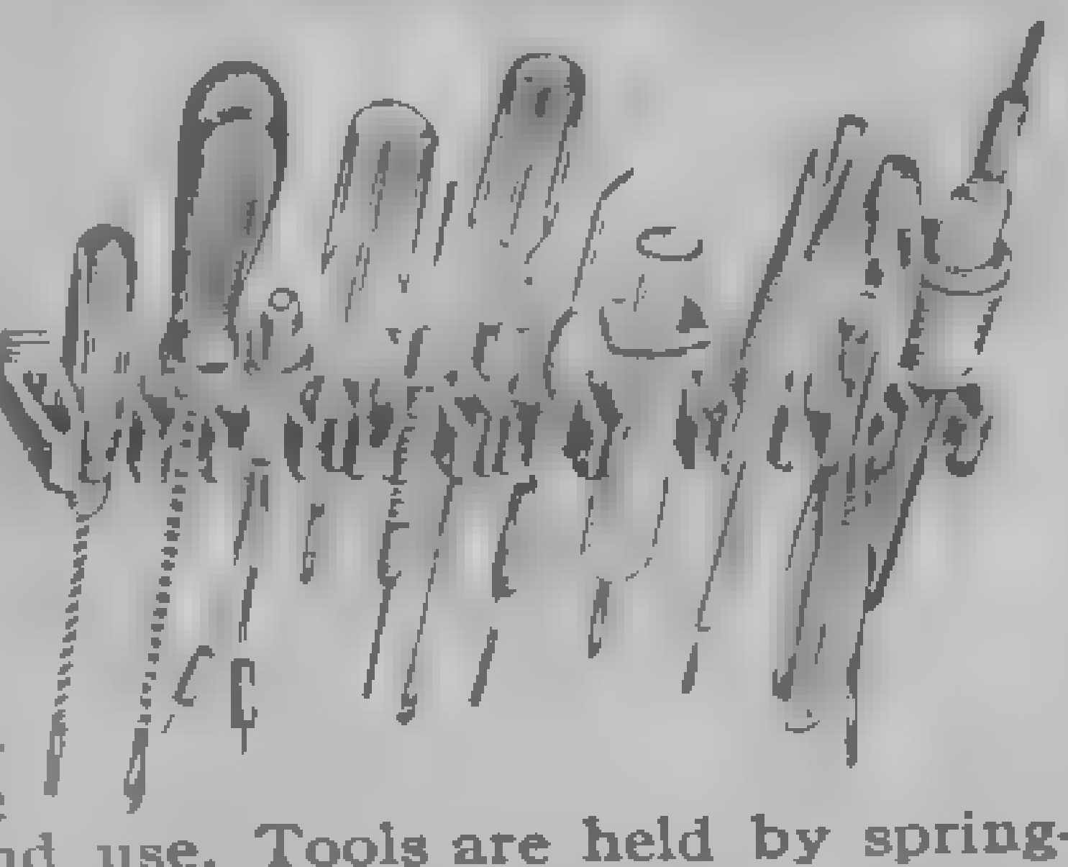
Type 43H. As above, with curved nose.
45 N 667. NET......................4.42

S New G-C Type 8872 C-Ring Tool. Removes and inserts "C" washers and retaining rings on tuners, detent and control shafts. Shpg. wt., 2 oz.
45 N 661. NET......................1.84

T New G-C Type 9317 Degaussing Coil. Demagnetizes magnetic fields set up in color CRT. Concentrates field—readily dissipates heat. Complete with 9-ft. cord and off-on switch. Shpg. wt., 6 lbs.
45 N 664. NET......................17.61

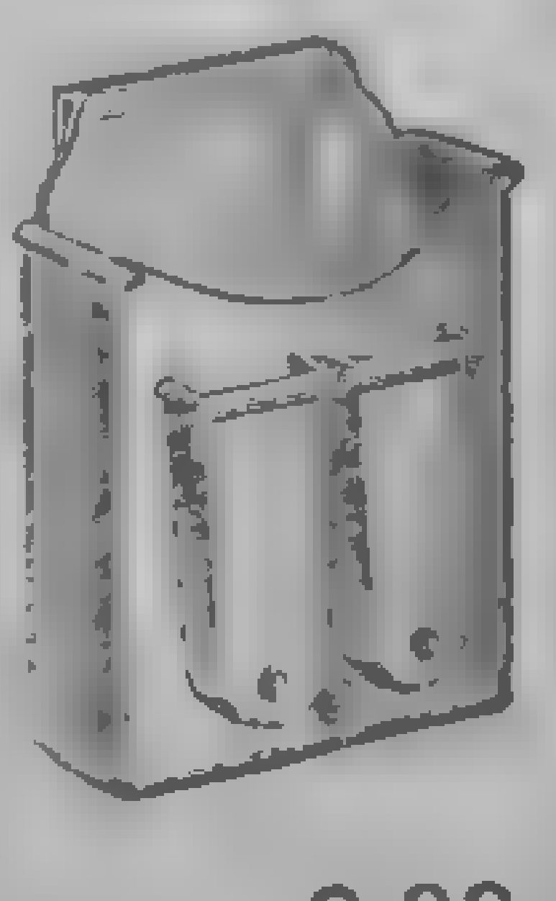
W New G-C Type 9309 Color TV Viewer. Allows adjusting color phase and matrix without oscilloscope. Consists of three transparent optical filters sealed in plastic. Just view bar signal through one of the filters and make necessary saturation and hue adjustments. Shpg. wt., 2 oz.
45 N 663. NET......................1.47

NEW G-C TYPE 9525 TOOL CADDY



End tool clutter in the shop, home, garage, etc., with this ultra-convenient tool rack. Holds odd-sized tools and utensils—from hammers to tweezers. Simple to mount and use. Tools are held by spring-locked brackets. Just snap in and snap out—tools are always firmly held; never any danger of slippage. Accommodates twelve tools of all sizes and shapes. Use it for screwdrivers, pliers, soldering irons, saws, probes, etc., all hand tools. Occupies only a minimum of space. Length, 10⅞". Shpg. wt., ¾ lb.
45 N 665. NET......................1.47

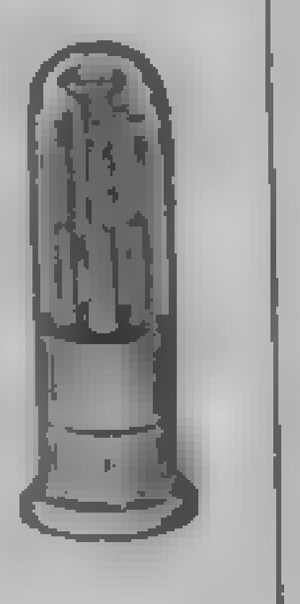
G-C 8943 "TUX" TOOL HOLSTER



A perfect accessory for servicemen, electricians, etc. Excellent for service calls and antenna installations; the required tool is always available at your side. Attaches to belt by two metal loops. Has two narrow compartments and one full-size compartment. Plenty of room for securely holding most needed tools, such as wrenches, wirecutter, screwdrivers, pliers, tube puller, etc. Made of tough, flexible polyethylene plastic. Holds its shape. Shpg. wt., 6 oz.
46 N 345. NET......................2.32

MOODY WRENCH AND SCREWDRIVER SETS

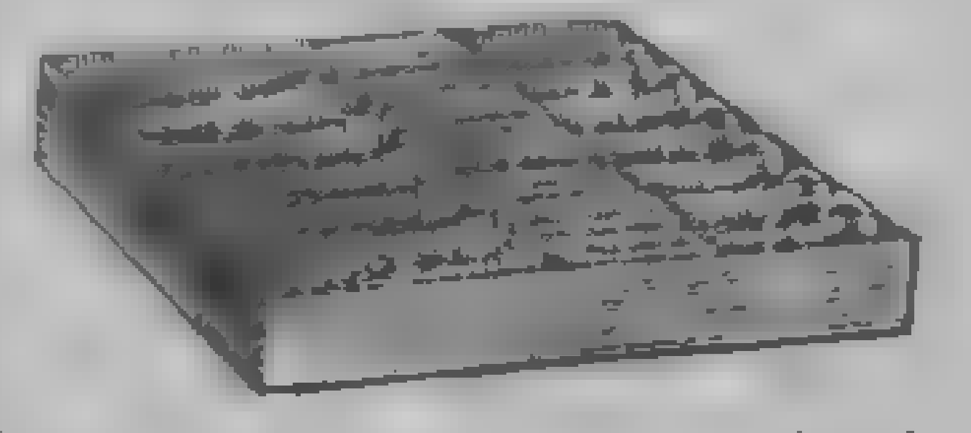
SC-5 SCREWDRIVER SETS



Set of miniature screwdrivers contains 4 interchangeable hardened steel blades in sizes .010", .055", .070" and .080" plus 1 awl. Blades insert quickly and securely into screw type chuck. Excellent for camera and watch repairing, radio and appliance work, etc. Complete set includes 4 blades, awl, handle and handy plastic base with transparent dust cover. Base keeps blades in place, easy to find. Shpg. wt., 8 oz.
43 N 859. NET PER SET...............99c
12 Sets or More, PER SET...............89¢

Type PA-5. Combination Phillips head screwdriver set and Allen head wrench set. Contains No. 0 and No. 1 Phillips type driver and Nos. 4, 6 and 8 Allen type wrench. With handle, stand and cover. Shpg. wt., 7 oz.
43 N 857. NET PER SET...............1.64
12 Sets or More, PER SET...............1.47

JEWELERS SCREWDRIVERS

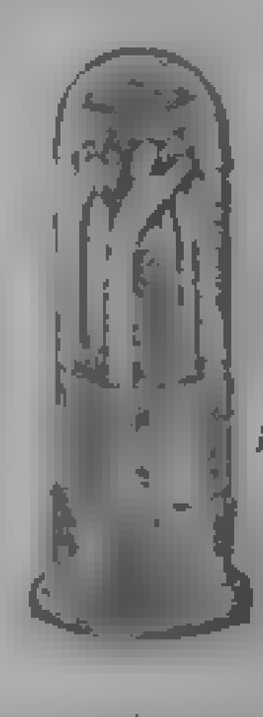


Type JS-6. A complete set of six precision-built jeweler's screwdrivers packed in a sturdy box. Blade sizes included are: .025", .040", .055", .070", .080", and .100". Chuck noses are grooved for blade size indication by touch. Knurled nickel-plated handles for firm grip. Made to Government specification GGG-S-121d, as amended. Overall size of box, ¾x4¼x3¾". Shpg. wt., ½ lb.
50 N 384. NET PER SET...............2.89
12 Sets or More, PER SET...............2.69

BW-5 MAGNETIC SOCKET WRENCH SET

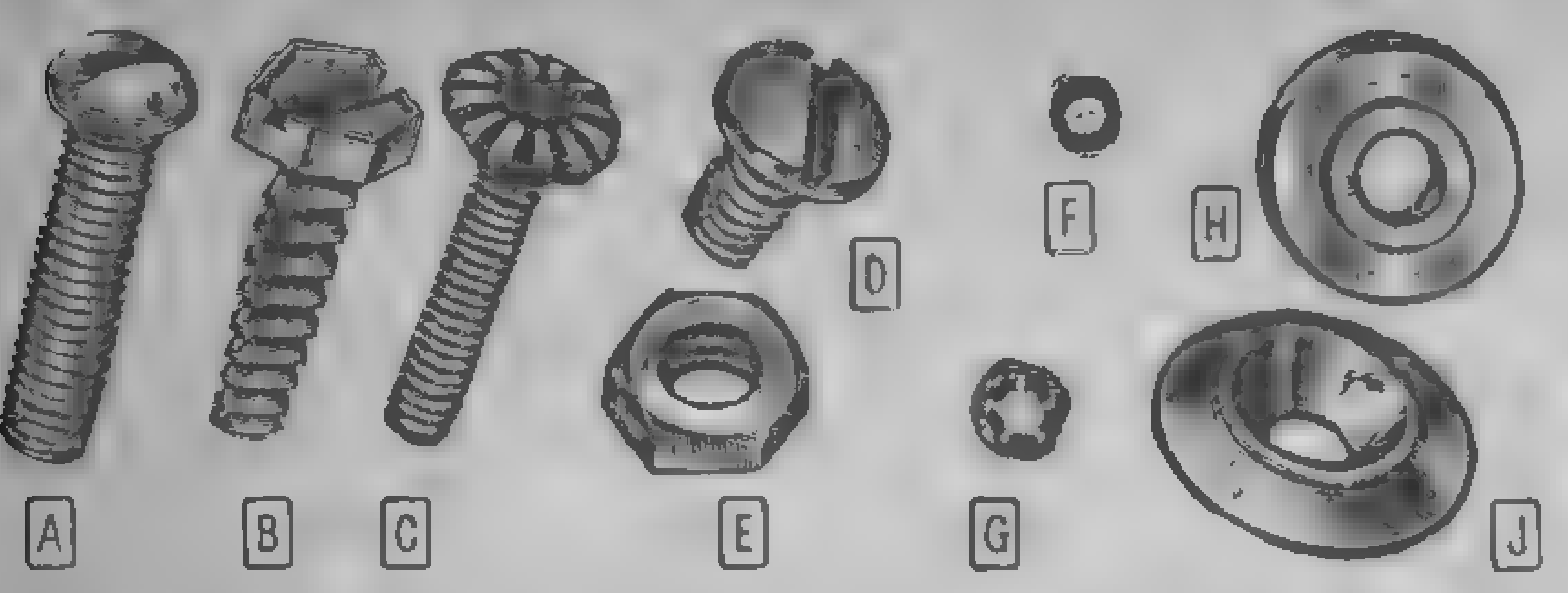
Wrench kit containing five tiny, interchangeable hexagonal socket wrenches with magnetized swivel top handles. Provide easy means of removing or inserting small-sized nuts in hard-to-get-at places—magnet retrieves small, metal parts. Particularly suitable for close work in crowded radio and TV chassis. A valuable tool kit for the repairman, hobbyist or experimenter and builder. Wrenches are quickly and easily interchangeable, fit securely in screw type chuck. Socket wrench sizes: 5/64", 3/32", 7/64", 1/8" and 5/32". Wrenches are made of heat treated steel. Handle is nickel-plated brass. In transparent plastic container with attractive colored base. Wt., 5 oz.
43 N 862. NET PER SET...............2.61
12 Sets or More, PER SET...............2.39

OE-5 OPEN END WRENCH SET



Set of 5 tiny offset open end wrenches. All wrenches are made of tough, heat-treated steel and are interchangeable in the handle. Designed to facilitate removing or attaching all sizes of tiny nuts commonly found in hobby, electrical, automotive, aeronautical and other small, intricate mechanical devices. Especially desirable for sub-miniature work in electronics. Wrench sizes supplied: 5/64", 3/32", 7/64", 1/8", 5/32". Wrenches and handle are supplied in convenient, attractive base with transparent plastic dust cover. Shpg. wt., 3 oz.
43 N 804. NET PER SET...............1.64
12 Sets or More, PER SET...............1.47

G-C Hardware



General hardware for radio-TV construction and repair. Available in 35¢ quantities packed in plastic boxes or in lots of 100 and 1000. Nuts, screws and washers are nickel plated except Fig. C (brass finish). 35¢ container with hardware in handy, reusable, hinged plastic box. *G-C part number for 100 and 1000 lot pkgs. only.

Prompt shipment from stock on all radio-TV hardware listed below.

A **Round Head Screws.** General-purpose type in most sizes required for repair and construction jobs in radio, television and electronics. Plated steel. Shpg. wts.: 3 oz.; 14 oz.; and 5 lbs.

Size	35¢ container		Part No.*	100 Lot Pkg.		1000 Lot Pkg.	
	No.	Quan.		No.	NET	No.	NET
4-36x¼"	44 N 502	40	6005	42 N 700	.48	44 N 742	3.79
4-36x½"	44 N 503	35	6006	42 N 701	.51	44 N 745	4.10
4-36x¾"	44 N 504	35	6007	42 N 702	.60	44 N 748	4.76
6-32x¼"	44 N 505	40	6008	42 N 703	.52	44 N 704	4.16
6-32x½"	44 N 506	30	6009	42 N 704	.61	44 N 712	4.83
6-32x¾"	44 N 507	30	6010	42 N 705	.71	44 N 717	5.68
6-32x1"	44 N 508	30	6011	42 N 706	.82	44 N 722	6.53
6-32x1¼"	44 N 509	30	7141	42 N 707	.98	44 N 727	7.83
8-32x¼"	44 N 518	30	6013	42 N 708	.69	44 N 739	5.43
8-32x⅜"	44 N 519	25	6014	42 N 709	.73	44 N 754	5.86
8-32x½"	44 N 529	25	6015	42 N 710	.79	44 N 757	6.35
8-32x¾"	44 N 535	25	6016	42 N 711	.91	44 N 762	7.27
8-32x1"	44 N 546	20	6017	42 N 712	1.04	44 N 769	8.32
10-32x½"	44 N 548	20	6020	42 N 713	.93	44 N 778	7.48
10-32x¾"	44 N 549	20	6021	42 N 714	1.10	44 N 781	8.75
10-32x1"	44 N 553	17	6022	42 N 715	1.22	44 N 784	9.84

B **Self-Tapping Screws.** Flat-slotted type. Ideal for panel and rack mounting. No tapping of metal required. Plated steel. Hex head—with deep screwdriver slot. Shpg. wts.: 4 oz.; 12 oz.; and 4½ lbs.

4x½"	44 N 564	35	6090	42 N 716	.95	44 N 804	7.57
6x¼"	44 N 565	30	6091	42 N 717	.95	44 N 809	7.57
6x½"	44 N 566	25	6093	42 N 718	1.05	44 N 814	8.38
8x½"	44 N 567	20	6096	42 N 719	1.22	44 N 824	9.78
10x½"	44 N 569	15	6099	42 N 720	1.71	44 N 834	13.67

C **Ornamental Head Screws.** For use on panels, etc. *G-C part number for 100 and 1000 lot pkgs. only. Shpg. wts.: 4 oz.; 13 oz., 6 lbs.

Size	35¢ container		Part No.*	100 Lot Pkg.		1000 Lot Pkg.	
	No.	Quan.		No.	NET	No.	NET
6-32x ¾"	44 N 573	25	1097	42 N 721	1.05	44 N 672	8.38
8-32x1¼"	44 N 575	12	1099	42 N 722	1.57	44 N 678	12.50

D **Binding Head Machine Screws.** Plated. 4 oz.; 7 oz.; 2½ lbs.

6-32x¼"	44 N 576	35	7152	42 N 723	.52	44 N 694	4.15
6-32x⅜"	44 N 577	35	7153	42 N 724	.55	44 N 696	4.41
6-32x½"	....	....	7118	42 N 725	.63	44 N 622	5.01
8-32x⅜"	....	....	7119	42 N 726	.71	44 N 624	5.64
8-32x½"	....	....	7120	42 N 727	.77	44 N 625	6.13

E **Hex Nuts.** Plated steel. Shpg. wts.: 4 oz.; 8 oz.; 3 lbs.

4-36x¼"	44 N 584	30	6041	42 N 728	.65	44 N 907	5.18
6-32x5/16"	44 N 579	30	7230	42 N 729	.72	44 N 911	5.70
8-32x11/32"	....	....	7233	42 N 730	.72	44 N 916	5.73
10-32x⅜"	44 N 585	30	6044	42 N 731	.94	44 N 919	7.53
6-32x¼"	44 N 586	30	6042	42 N 732	.68	44 N 953	5.40
8-32x¼"	44 N 587	30	6043	42 N 733	.72	44 N 954	5.73

F **Split Lockwashers.** Tempered steel. Wts.: 2 oz.; 4 oz.; 2 lbs.

# 4 screw	44 N 197	60	6503	42 N 797	.48	44 N 199	3.82
# 6 screw	44 N 588	65	6504	42 N 734	.45	44 N 663	3.56
# 8 screw	44 N 589	55	6505	42 N 735	.37	44 N 666	2.94
#10 screw	44 N 196	60	6506	42 N 796	.53	44 N 198	4.22

G **Internal Star Lockwashers.** Shpg. wts.: 2 oz.; 4 oz.; 1¼ lbs.

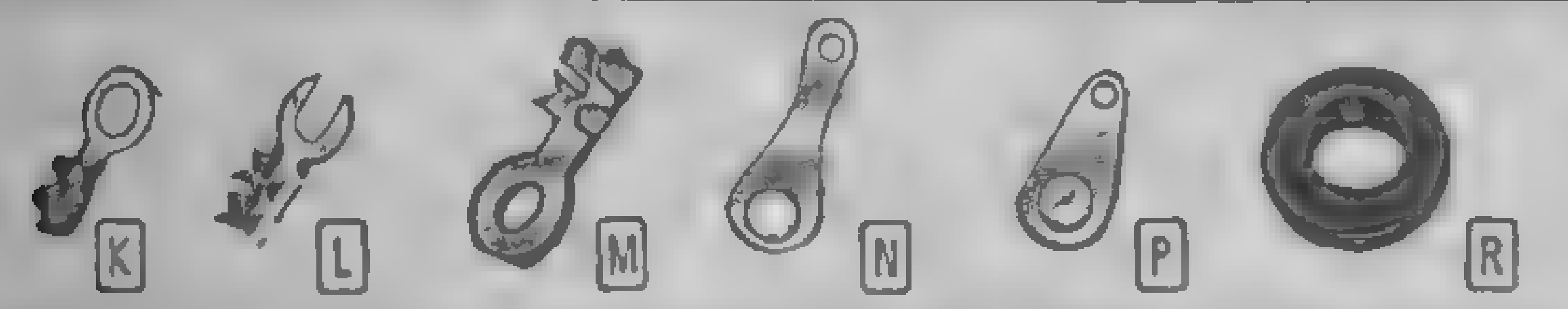
# 4 screw	44 N 187	50	7324	42 N 798	.45	44 N 188	3.56
# 6 screw	44 N 597	50	7326	42 N 736	.45	44 N 924	3.56
# 8 screw	44 N 598	50	7328	42 N 737	.49	44 N 929	3.90
#10 screw	44 N 599	45	7330	42 N 738	.49	44 N 934	3.90

H **Extruded Fiber Washers.** Fiber washers in choice of 4 sizes. Overall thickness 1/16". Av. shpg. wts.: 3 oz.; 14 oz.; and 5 lbs.

No. 6	42 N 771	35	6525	42 N 739	.84	42 N 772	6.76
No. 8	42 N 773	35	6526	42 N 740	.84	42 N 774	6.76
No. 10	42 N 775	35	6527	42 N 741	.92	42 N 776	7.39
¼"	42 N 777	35	6528	42 N 742	.92	42 N 778	7.39

J **Cup Finishing Washers.** Nickel plated. Wts.: 3 oz.; 14 oz.; 5 lbs.

No. 6	42 N 779	45	6161	42 N 743	.39	42 N 780	3.13
No. 8	42 N 781	45	6162	42 N 744	.41	42 N 782	3.31
No. 10	42 N 783	35	6163	42 N 745	.54	42 N 784	4.37



Solder Lugs. Sturdy, tinned solder lug units. Easily accommodate the screw numbers given below; No. 8 holes also take No. 6 screws. *Part no. for 100, and 1000 lot pkgs. only. Shpg. wts.: 2 oz.; 4 oz.; 1 lb.

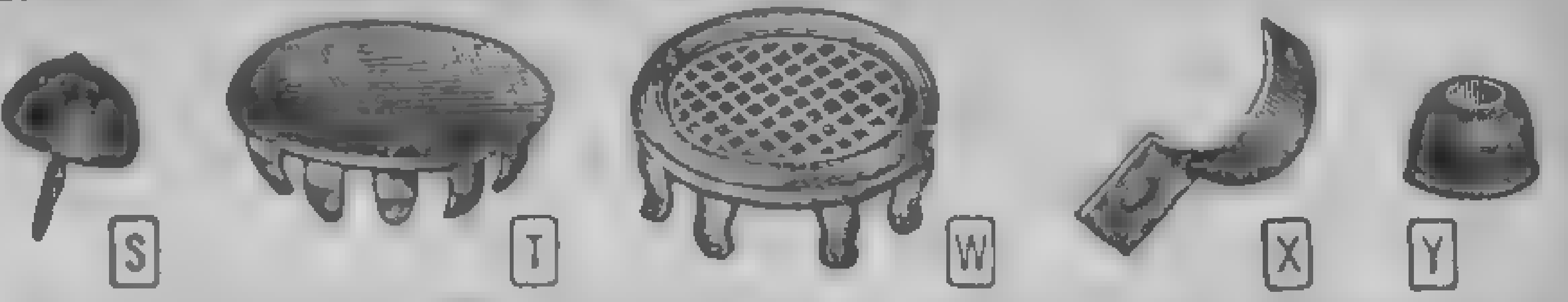
Size	35¢ container		Part No.*	100 Lot Pkg.		1000 Lot Pkg.	
	No.	Quan.		No.	NET	No.	NET
# 8. Fig. K	44 N 603	25	7442	42 N 746	1.12	44 N 637	8.93
# 8. Fig. L	44 N 604	25	7445	42 N 747	1.17	44 N 640	9.37
#10. Fig. M	44 N 605	25	1021A	42 N 748	1.45	44 N 643	11.60
# 8. Fig. N	44 N 607	25	7455	42 N 749	1.81	44 N 646	14.50
# 8. Fig. P	44 N 608	30	7451	42 N 750	.85	44 N 649	6.85

R **Rubber Grommets.** Soft, black stock. Sizes shown are mtg. hole required and inner dia., respectively. Wts.: 2 oz.; 8 oz.; 4 lbs.

¼", ⅛"	44 N 618	16	1041-2	42 N 751	1.10	44 N 437	8.75
5/16", 3/16"	44 N 619	14	1041	42 N 752	1.23	44 N 440	9.88
⅜", ¼"	44 N 620	12	1042	42 N 753	1.66	44 N 443	13.23
½", ⅜"	44 N 627	10	1043	42 N 754	1.86	44 N 446	14.85
⅝", ½"	44 N 628	8	1043-1	42 N 755	2.81	44 N 449	25.87
¾", 9/16"	42 N 785	10	5711	42 N 756	3.46	42 N 786	27.69
⅞", ⅝"	42 N 787	7	7569	42 N 757	5.63	42 N 788	45.02

S **Rubber Tack Bumpers.** Tacks molded-in. For wooden cabinets, etc. Shpg. wts.: 2 oz.; 8 oz.; 4 lbs.

⅜" O.D.	44 N 774	10	1075	42 N 758	1.81	44 N 164	14.49



Snap Hole Plugs. Fill hole size listed. All are Fig. T with solid top, except † which is Fig. W with screen vent top. *G-C part number for 100 and 1000 lot pkgs. only. Shpg. wts.: 3 oz.; 1¼ lbs.; 10 lbs.

Size	35¢ container		Part No.*	100 Lot Pkg.		1000 Lot Pkg.	
	No.	Quan.		No.	NET	No.	NET
¼"	44 N 659	8	1711-A	42 N 759	2.10	44 N 846	16.80
⅜"	44 N 679	8	1711	42 N 760	2.79	44 N 847	22.30
½"	44 N 689	6	1712	42 N 761	2.98	44 N 293	23.81
¾"	44 N 699	5	1714	42 N 762	3.53	44 N 296	28.22
1"	44 N 707	5	1715	42 N 763	4.85	44 N 299	38.80
1"	44 N 396	1	1708†	42 N 766	20.96	44 N 395	167.58

X **Cable Clamps.** Fit cable sizes below. Wts.: 3 oz.; 12 oz.; 5 lbs.

⅛-3/16"	44 N 708	25	6251	42 N 767	.96	44 N 334	7.68
3/16-¼"	44 N 713	20	6252	42 N 768	1.09	44 N 337	8.71
¼-5/16"	44 N 732	15	7503	42 N 769	2.04	44 N 342	16.32
5/16-½"	44 N 733	15	6253	42 N 770	1.24	44 N 345	9.93

Y **Rubber Feet.** Take screws, nails, etc. For wood or metal cabinets. Shpg. wts.: 3 oz.; 9 oz.; 4¼ lbs.

⅜" O.D.	44 N 763	8	1075B	42 N 764	.89	44 N 155	7.15
⅝" O.D.	44 N 764	6	1075F	42 N 765	2.18	44 N 158	17.35

G-C HANDY PLASTIC BOXES OF MOST-OFTEN NEEDED SERVICING HARDWARE

A wide selection of most-often needed hardware used in radio, television and electronics—packaged in convenient clear-plastic boxes. No loss or spillage. All items are made from high-quality materials to insure dependable service. **All are assortments.** Av. shpg. wt., 4 oz.

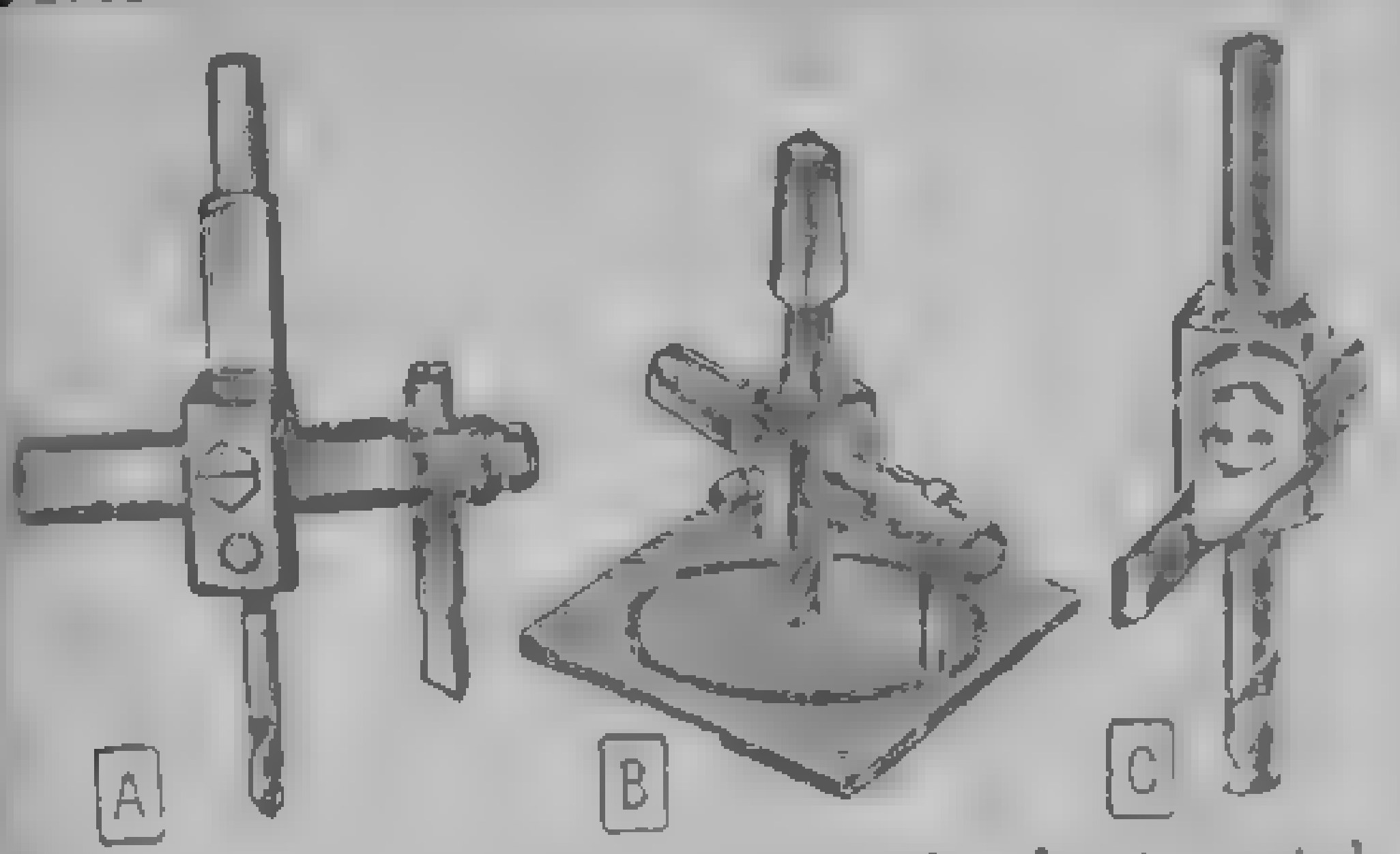
Stock No.	Description	Approx. Quant.
43 N 650	Extra small size escutcheon and wood screws.	25
43 N 651	Assorted wood screws with round heads.	25
43 N 652	¼-1" mach. screws w/round & flat heads: #6, 8, 10.	35
43 N 301	Nos. 2 & 4 screws & nuts.	35
43 N 653	Sheet metal screws, No. 4x½".	35
43 N 654	Nickel-plated rack screws & cup washers.	15
43 N 655	Sheet metal screws, asst.—4,6,8,10. Hex. & slotted.	25
43 N 656	Assorted phono needle set screws.	12
43 N 657	Spade bolts; #6, #8 holes.	15
43 N 306	Assorted set screws—6-32, 8-32, 10-32.	15
43 N 658	Tinnerman speed nuts.	30
NET PER BOX........................35¢		

Stock No.	Description	Approx. Quant.
43 N 659	Asstd. internal lockwashers.	50
43 N 660	Asstd. hex nuts.	30
43 N 661	Hex & ring mounting nuts. For controls, switches.	12
43 N 380	Asstd. extruded fibre washers.	30
43 N 662	Assorted flat fiber washers. Nos. 6 to 15/32".	35
43 N 663	Assorted metal washers Nos. 4 to 5/16".	80
43 N 664	Rings & C-washers for 3/16-¼" shafts.	25
43 N 665	Snap-hole plugs—¼"-1½".	8
43 N 666	Assorted ventilating hole plugs.	4 55
43 N 667	Assorted rivets.	30
43 N 668	Solder lugs.—#6-10.	12
43 N 669	Metal spacers. For #6 & 8 screws.	
NET PER BOX........................35¢		

Stock No.	Description	Approx. Quant.
43 N 670	Insulated spacers for #6 & 8 screws.	12
43 N 671	Assorted hair pin cotters.	50
43 N 672	Cable clamps, ⅛ to 5/16".	20
43 N 673	Large compression springs.	15
43 N 674	Small compression springs.	20
43 N 337	Regular dial drive springs.	8
43 N 338	Small dial drive springs.	10
43 N 675	Radio knob springs.	18
43 N 676	Rubber feet w/wood screws	8
43 N 677	Cord strain relief for POSJ type wire.	5
43 N 315	Rubber chassis mounts.	12
43 N 678	Rubber grommets. For cables, metals to 1/16".	15
43 N 679	Standard thin dial cord.	10 ft.
43 N 336	Standard dial cord.	10 ft.
43 N 680	Asstd. radio knob set screws.	15
NET PER BOX........................35¢		

Chassis-Cutting Tools—Hardware—Polystyrene

GENERAL HARDWARE CIRCLE CUTTERS



Cut holes accurately in wood, sheet metal, plastics, etc. Round shank type for use in drill press, square shank type for hand brace. Drill acts as center pilot, keeping cutter in alignment. Removable pilot drill and cutter blade. Horizontal cross-bar and cutting bits are instantly adjustable. Blade of hardened tool steel. Polished cutting edges. Shpg. wt., 8 oz.

Stock No.	Fig.	Shank	Hole Size	NET
45 N 600	A	Round ¼"	⅞" to 4"	1.69
45 N 602	B	Square	1" to 5½"	2.10
45 N 603	A	Round 5/16"	1" to 5½"	2.10
45 N 350	A	Round ½"	1" to 5½"	2.10
45 N 351	A	Round ½"	1¾" to 8"	4.64

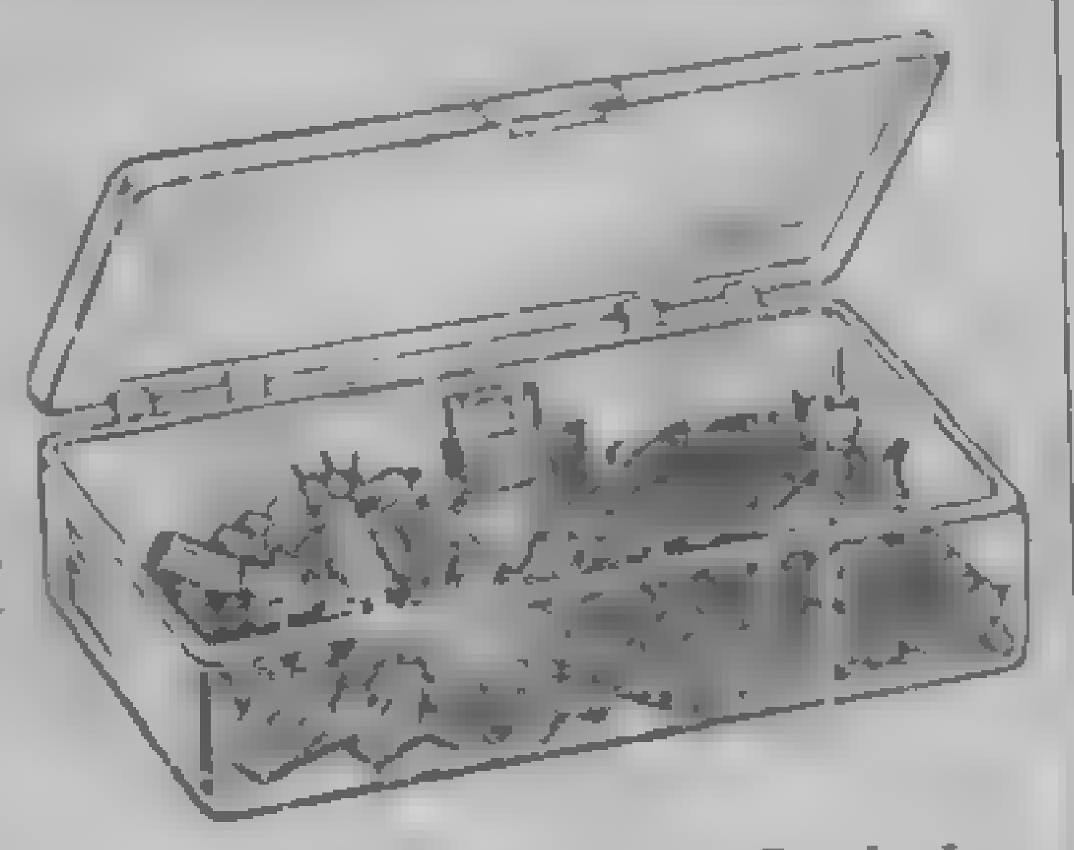
Replacement Cutter Blades. For above. Hardened tool steel. Shpg. wt., 4 oz.
45 N 610. NET EACH..............44c

CLARK HOLE CUTTER

Type 100. Cuts holes ⅝" to 1½" in dia., in metals up to ⅛" thick. ¼" pilot drill with ¼" round shank for electric drills. Fully adjustable. Shpg. wt., 5 oz.
45 N 620. NET..................3.67

G-C HARDWARE ASSORTMENTS

Provide many hard-to-get screws, springs, solder lugs, nuts, bolts—needed by experimenters and servicemen. Most-often-needed hardware in handy plastic box.



No. 9116 Solder Lug Assortment. Includes generous quantity of different size solder lugs. Particularly suited for radio chassis, control panels, test instruments. 1½ lbs.
43 N 370. NET......................97c

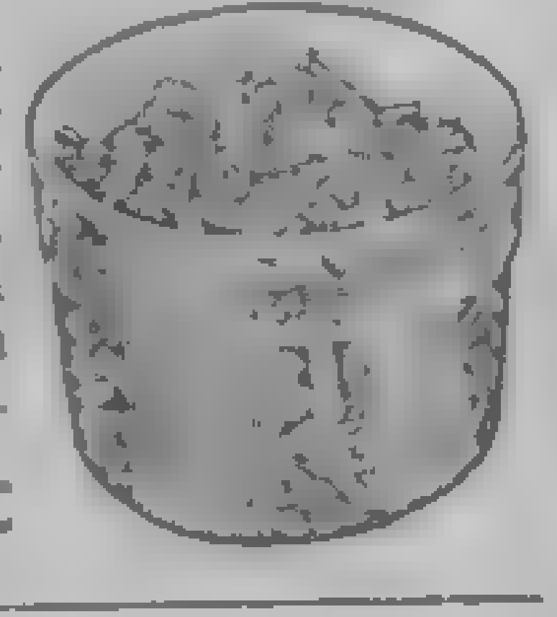
No. 9117 Screw and Nut Assortment. Contains various size screws, nuts and bolts. Popular sizes used most frequently for mounting terminal strips, transformers, relays, switches, etc. Shpg. wt., 1½ lbs.
43 N 371. NET......................97c

No. 9118 Spring Assortment. Different type springs for use with dial cords, push-buttons, etc. Includes both extension and compression springs. Shpg. wt., 1½ lbs.
43 N 372. NET 97c

No. 9193 Sheet Metal Screw Assortment. 700 sheet metal screws in 8 assorted sizes from 4x½" to 8x1". Easily selected from compartmented plastic box. Shpg. wt., 2 lbs.
50 N 172. NET......................3.24

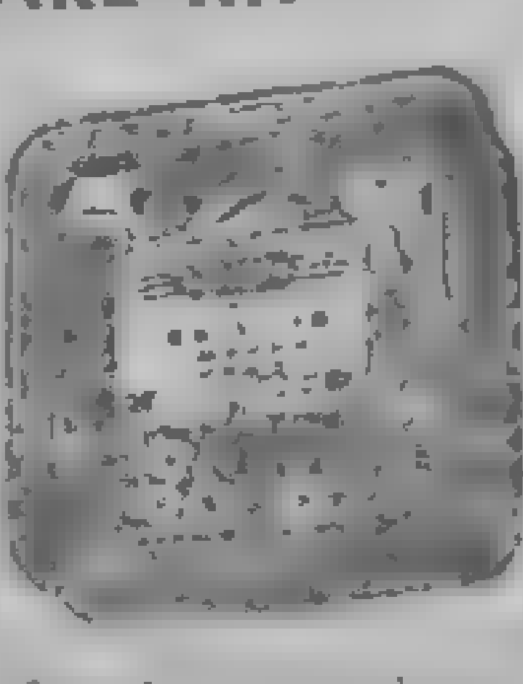
No. 9199 Machine Screw Assortment. Screws from 4-40x½" through 8-32x½". Hex nuts from 4-40x¼" through 8-32x¼". 675 pieces. Shpg. wt., 1½ lbs.
50 N 173. NET......................3.24

No. 7060 Screw and Nut Assortment. Two-pound assortment for Ham, experimenter, serviceman. Nut sizes from 4-40 to 8-32, screw sizes from ¼" to 1". Nickel and cadmium plated. In plastic container. Shpg. wt., 2¼ lbs.
50 N 030. NET.......87c



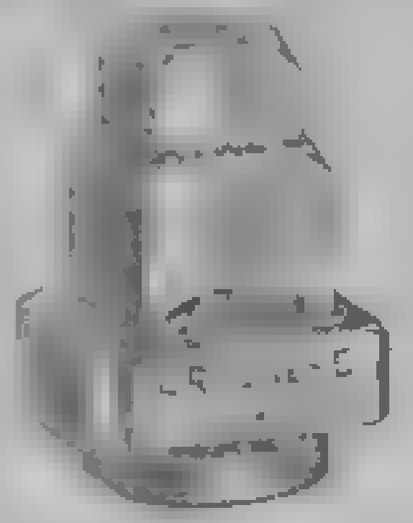
BARGAIN HARDWARE KIT

Save on this amazingly low priced assortment of rivets, rubber grommets, nuts, screws, lock washers, right angle brackets, self-tapping screws, eyelets, and other useful radio and TV hardware. For electronics repairman, hobbyist and Ham. Includes nickel and cadmium-plated, and solid aluminum pieces. In convenient plastic container. Shpg. wt., 1¼ lbs.
44 N 315. NET.......... 97c



GREENLEE CHASSIS PUNCHES

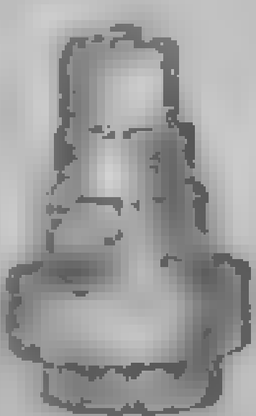
SERIES 731 SQUARE PUNCHES



Square punches in most popular sizes for mounting square chassis components. Precision made of high grade tool steel. Punch has 4 cutting edges for quickly cutting smooth openings in sheet metal, bakelite or hard rubber. Do the job in minutes—save hours of tedious hand labor. Cuts holes in metal up to 16 gauge. Leaves no burrs. Drive screw requires ½" hole. Operates with an ordinary wrench for drive power. Oblong-shaped or large square holes for power transformers can be made by overlapping cuts. Shpg. wt., 2 lbs.

46 N 269. For ½" hole. **NET**..........4.10
46 N 276. For ⅝" hole. **NET**..........4.16
46 N 277. For ¾" hole. **NET**..........4.74
46 N 278. For 1" hole. **NET** 5.63

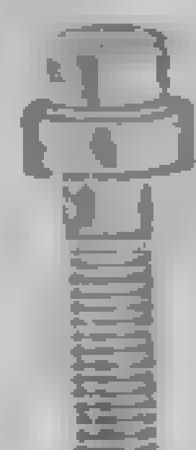
SERIES 732 KEYED PUNCHES



Keyed chassis punches cut holes for keyed sockets and other components—simplifies and speeds mounting of radio parts. Punches cut clean accurate holes—no sawing or drilling, reaming and filing needed. A simple, fast way to cut smooth, accurate openings in metal, hard rubber, plastics. Simply insert punch in small drilled hole, turn with an ordinary wrench. Require ½" hole except §¼" hole. Av. wt., 1½ lbs.

Stock No.	Size	NET	Stock No.	Size	NET
46 N 214	§15/32"	4.41	46 N 186	1 11/64"	4.98
46 N 184	15/16"	4.41	46 N 189	1 17/64"	5.40

BALL-BEARING DRIVE SCREWS



Ball-bearing cap screws for driving Type 730 punches that have a ¾" cap screw. Ball bearings reduce friction for easy operation of punches with minimum effort. Av. shpg. wt., 1 lb.

AV322-BB. For 11/16", ¾", 15/16" punches.
47 N 018. NET................88¢

Type AV112-BB. For 1"-1½" punches.
47 N 019. NET........................ 97¢

Type AV249-BB. For 1 7/32", 1⅝" and 1¾" round chassis punches.
50 N 168. NET........................2.11

Type AV304-BB. For 2 25/32" chassis punch.
50 N 169. NET........................2.30

Replacement Cap Screws. For round hole punches listed above. Av. shpg. wt., 4 oz.

Stock No.	Size	For Punch Size	NET
46 N 182	¼"	½" and ⅝"	26¢
46 N 183	⅜"	11/16" to ⅞"	26¢
46 N 168	⅜"	1" to 1½" (except 1 7/32")	30¢
46 N 299	¾"	1 7/32", 1⅝", 1¾"	44¢
46 N 343	¾"	1⅞" to 2 25/32"	53¢

Fits all standard punches from ½" to 3" and all Greenlee No. 730 punches 11/16" and larger.

RATCHET KNOCKOUT PUNCH DRIVER

Lightweight knockout punch driver for use with standard punches ½" to 3" and Greenlee No. 730 punches 11/16" and larger. Fast cutting action in 10-gauge or lighter material. Includes: knockout driver assembly; leverage handle; ratchet handle; 3 adapter screws for ½"-3" knockout punches and round punches 11/16"-2 25/32". Packed in metal carrying case. (Punches not included.) Shpg. wt., 13 lbs.
47 N 017. *$2 Down.* **NET**............48.51

SERIES 730 ROUND PUNCHES

For rapid cutting of round holes for sockets, controls, plugs, panel lights, etc. Punches cut through sheet metal, bakelite or hard rubber. Cut through metals up to 16-gauge. Operate with ordinary wrench; no reaming or filing required. *Meter punch. Av. shpg. wt., 1½ lbs.

Stock No.	Hole Size	Lead Size	NET EACH
46 N 169	½"	¼"	2.29
46 N 177	⅝"	¼"	2.29
47 N 014	9/16"	¼"	2.29
46 N 000	11/16"	⅜"	2.29
46 N 170	¾"	⅜"	2.29
46 N 001	13/16"	⅜"	2.29
46 N 171	⅞"	⅜"	2.29
47 N 015	15/16"	⅜"	2.51
46 N 172	1"	⅜"	2.51
46 N 178	1 1/16"	⅜"	2.65
46 N 173	1⅛"	⅜"	2.65
46 N 179	1 5/32"	⅜"	2.65
46 N 174	1 3/16"	⅜"	2.65
46 N 175	1¼"	⅜"	2.65
46 N 176	1⅜"	⅜"	3.18
46 N 180	1½"	⅜"	3.62
46 N 011	1⅝"	¾"	4.28
46 N 110	1¾"	¾"	4.84
46 N 116	2"	¾"	6.52
46 N 181	2¼"	¾"	7.02
47 N 016	2½"	¾"	11.47
46 N 209	2 25/32"*	¾"	11.02

POLYSTYRENE SHEETS, RODS AND TUBING

An excellent selection of high-grade polystyrene sheets, rods and tubing. Ideal for AC, DC, and RF applications including VHF, UHF and SHF. Rods and tubing are excellent material for making insulators or coil forms. Sheets may be used for shielding or dial and gauge glass.

All have extremely low-loss factor at ultra-high frequencies. Have high dielectric strength, excellent arc resistance and insulating properties. No moisture absorption. Highly stable under varying climatic conditions. Always retain original dimensions—will not stretch or warp. Easy to cut any size. May be sawed, drilled or tapped. Sheets are transparent. All tubing has satin finish except *clear; all rods are frosted except †clear.

POLYSTYRENE SHEETS

Stock No.	Size	Thickness	Shpg. Wt.	NET EA. 1-9	NET EA. 10-49	Stock No.	Size	Thickness	Shpg. Wt.	NET EA. 1-9	NET EA. 10-49
71 H 865	12x12"	1/16"	8 oz.	4.07	3.66	71 HX 870	12x24"	1/16"	1 lb.	7.64	6.88
71 H 866	12x12"	3/32"	10 oz.	4.70	4.23	71 HX 871	12x24"	3/32"	1¼ lbs	8.97	8.07
71 H 867	12x12"	⅛"	12 oz.	5.39	4.85	71 HX 872	12x24"	⅛"	1½ lbs.	10.39	9.35
71 H 868	12x12"	3/16"	1 lb.	7.01	6.31	71 HX 873	12x24"	3/16"	2 lbs.	12.89	11.60
71 H 869	12x12"	¼"	1½ lbs.	7.99	7.19	71 HX 874	12x24"	¼"	3 lbs.	15.34	13.81

12" POLYSTYRENE RODS

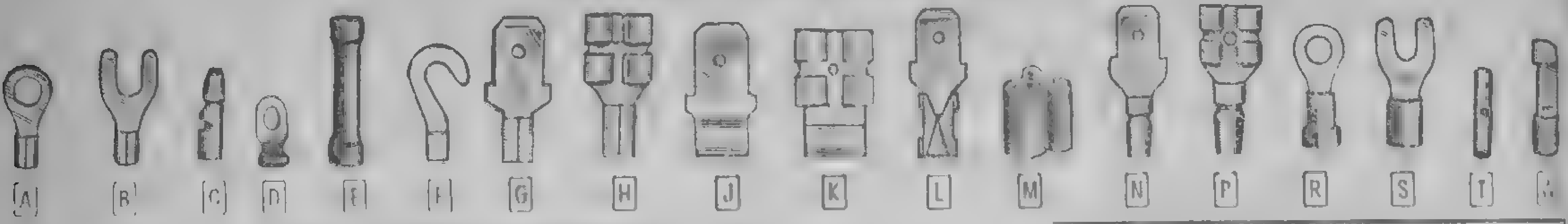
Stock No.	Dia.	Shpg. Wt.	NET EACH 1-9	NET EACH 10-49	Stock No.	Dia.	Shpg. Wt.	NET EACH 1-9	NET EACH 10-49
71 H 875	⅛"†	2 oz.	.03	.02	71 H 880	½"	6 oz.	.47	.42
71 H 876	3/16"	3 oz.	.07	.06	71 H 881	⅝"†	8 oz.	.71	.64
71 H 877	¼"	5 oz.	.12	.11	71 H 882	¾"	8 oz.	.98	.88
71 H 878	5/16"	6 oz.	.18	.16	71 H 883	⅞"	8 oz.	1.39	1.25
71 H 879	⅜"	6 oz.	.25	.22	71 H 884	1"	8 oz.	1.86	1.67

12" TUBING

Stock No.	O.D.	I.D.	Shpg. Wt.	NET EA. 1-9	NET EA. 10-49	Stock No.	O.D.	I.D.	Shpg. Wt.	NET EA. 1-9	NET EA. 10-49
71 H 885	¼"*	⅛"	2 oz.	10¢	9¢	71 H 889	⅝"	½"	4 oz.	31¢	28¢
71 H 886	5/16"*	3/16"	3 oz.	14¢	13¢	71 H 890	¾"	⅝"	4 oz.	39¢	[illegible]
71 H 887	⅜"	¼"	3 oz.	18¢	16¢	71 H 891	1"	⅞"	6 oz.	55¢	[illegible]
71 H 888	½"	⅜"	3 oz.	25¢	22¢	......	......	......	......	..	

Solderless Terminals—Installation Tools

TERMINALS FOR EVERY USE



VACO SOLDERLESS TERMINALS & TOOLS

Wide assortment of terminals for general-purpose use, radio-TV servicing, production, and automotive servicing. Terminals form a perfect, electrical connection between terminal barrel and stripped wire. Use with Type 1930 or 1902 crimping tools listed below. Available in a wide variety of types and sizes to meet practically any wiring requirements. Of copper alloy for maximum conductivity and minimum voltage drop. Primary terminal connects quickly and easily with only one crimp. *Included in 2195 kit shown below. †¼" male tab. §Female tab socket. ‡¼" angle male tab. #Angle female tab socket. **¼" male tab on one end; takes Fig. C 5/32" snap terminal on other end. ††Female tab socket on one end; takes Fig. C 5/32" snap terminal on other end. Av. shpg. wt., per pkg. of 100, 8 oz. **100 terminals per pkg.**

NON-INSULATED						NET PER PKG. OF 100			INSULATED		NET PER PKG. OF 100		
Wire Size	Stud Size	Lgth.	Fig	Stock No.	Mfr's No.	1-9	10-49	50-Up	Stock No.	Mfr's Type	1-9	10-49	50 Up
22-16	4-6	17/32"	A	42 N 800	2300*	2.18	2.00	1.08	42 N 828	6300	3.97	3.65	1.97
22-16	4-6	3/4"	A	42 N 801	2301*	2.18	2.00	1.08	42 N 829	6301	3.97	3.65	1.97
22-16	8-10	3/4"	A	42 N 802	2302*	2.18	2.00	1.08	42 N 830	6302	3.97	3.65	1.97
16-14	4-6	17/32"	A	42 N 803	2400*	2.18	2.00	1.08	42 N 831	6400	3.97	3.65	1.97
16-14	4-6	23/32"	A	42 N 804	2401*	2.18	2.00	1.08	42 N 832	6401	3.97	3.65	1.97
16-14	8-10	23/32"	A	42 N 805	2402*	2.18	2.00	1.08	42 N 833	6402	3.97	3.65	1.97
16-14	12-¼	27/32"	A	42 N 806	2403	2.71	2.50	1.35	42 N 834	6403	4.67	4.29	2.32
12-10	8-10	3/4"	A	42 N 807	2502	2.71	2.50	1.35	42 N 835	6502	4.67	4.29	2.32
12-10	12-¼	29/32"	A	42 N 808	2503	3.61	3.33	1.80	42 N 836	6503	5.73	5.27	2.85
22-16	4-6	9/16"	B	42 N 809	2600*	1.94	1.78	.96	42 N 837	6600	3.97	3.65	1.97
16-14	4-6	49/64"	B	42 N 810	2601*	2.18	2.00	1.08	42 N 838	6601	3.97	3.65	1.97
16-14	8-10	49/64"	B	42 N 811	2602*	2.18	2.00	1.08	42 N 839	6602	3.97	3.65	1.97
22-16	4-6	17/32"	B	42 N 812	2700	1.94	1.78	.96	42 N 840	6700	3.97	3.65	1.97
16-14		5/8"	C	42 N 813	3202	1.69	1.55	.84					
22-16	8-10	11/16"	D	42 N 814	2802	2.18	2.00	1.08	....	...	...	......	....
16-14	8-10	5/8"	D	42 N 815	2902	2.18	2.00	1.08					
22-16		9/16"	E	42 N 816	3101	1.69	1.55	.84	42 N 841	6101	3.97	3.65	1.97
16-14		9/16"	E	42 N 817	3102	1.69	1.55	.84	42 N 842	6102	3.97	3.65	1.97
12-10		9/16"	E	42 N 818	3103	2.18	2.00	1.08	42 N 843	6103	4.41	4.05	2.19
22-16	4-8	5/8"	F	42 N 819	3300‡	1.94	1.78	.96	42 N 846	6701	3.97	3.65	1.97
18-14		23/32"	G	42 N 820	3401†	2.18	2.00	1.08	42 N 847	6801	3.97	3.65	1.97
18-14		23/32"	H	42 N 821	3402§	2.18	2.00	1.08					
18-14		9/16"	J	42 N 822	3501‡	2.18	2.00	1.08	....	...	.....	.....	....
18-14		15/32"	K	42 N 823	3502#	2.18	2.00	1.08	....	...	.....	.....	....
adapter		7/8"	L	42 N 824	3601**	3.61	3.33	1.80					
adapter		5/16"	M	42 N 825	3602††	3.61	3.33	1.80					
adapter		7/8"	N	42 N 826	3701**	3.30	3.03	1.64					
adapter		49/64"	P	42 N 827	3702††	3.30	3.03	1.64					

VACO SOLDERLESS TERMINALS IN HANDY PACKAGES

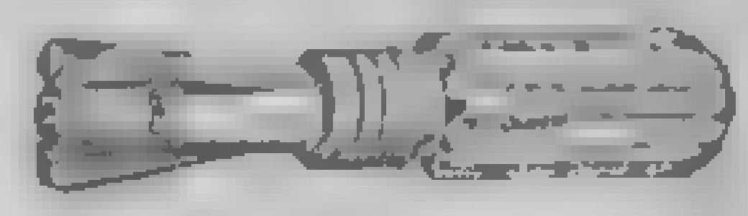
- Popular Types and Sizes
- For Limited Quantity Users
- Used in Major Appliance Wiring

Selection of popular Vaco terminals in quantities of less than 100. These handy packages are ideal for small workshops, experimental labs, and for appliance repair shops. For larger quantities of these types, see listing at left. Av. shpg. wt., per pkg. 3 oz.

Stock No.	Fig.	Mfr's No.	Wire Size	Stud Size	Lgth.	Pkg. Qty.
44 N 476	A	2300	22-16	4-6	17/32"	41
44 N 481	A	2301	22-16	4-6	3/4"	41
44 N 482	A	2302	22-16	8-10	3/4"	41
44 N 477	A	2400	16-14	4-6	17/32"	41
44 N 485	A	2401	16-14	4-6	23/32"	41
44 N 486	A	2402	16-14	8-10	23/32"	41
44 N 487	A	2403	16-14	12-¼	27/32"	32
44 N 489	A	2502	12-10	8-10	3/4"	32
44 N 490	A	2503	12-10	12-¼	29/32"	24
44 N 498	B	2600	22-16	4-6	9/16"	15
44 N 492	B	2601	16-14	4-6	49/64"	41
44 N 493	B	2602	16-14	8-10	49/64"	41
44 N 494	B	2702	12-10	8-10	49/64"	32
44 N 495	D	2802	22-16	8-10	11/16"	41
44 N 496	D	2902	16-14	8-10	5/8"	41
44 N 432	E	3101	22-16	.....	9/16"	52
44 N 433	E	3102	16-14	.....	9/16"	52
44 N 434	E	3103	12-10		9/16"	41
44 N 499	F	3300	22-16	4-8	5/8"	15

NET PER PKG.........................**98c**

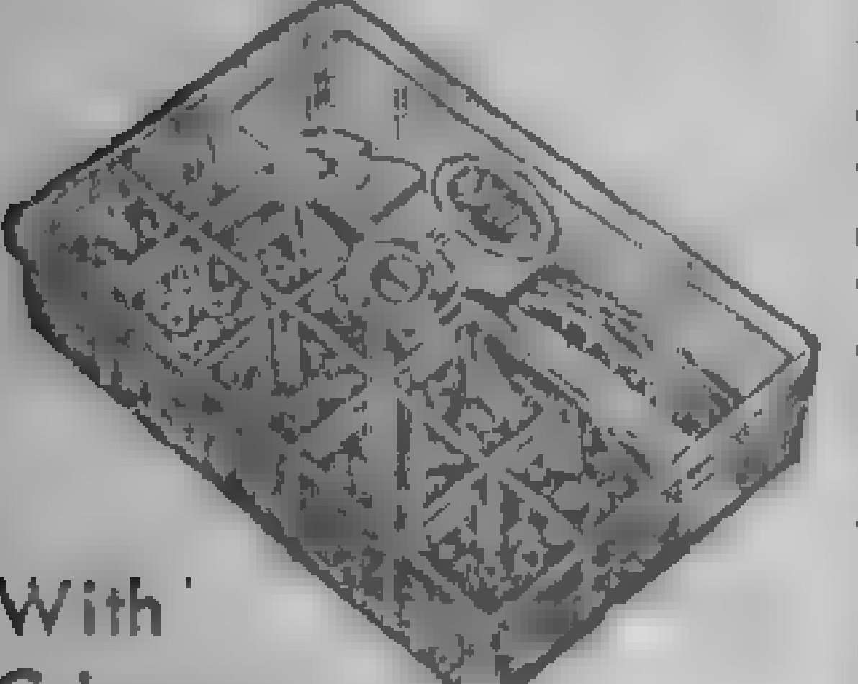
WALSCO "TWISTO" WIRE STRIPPER



Type 592-00. Wire stripper for rapid removal of toughest insulation. Can be inserted into chassis without removing wire. Adjustment for wire sizes 12 to 22. Built-in stop for production stripping. Spring steel blades. 4½" long. Shpg. wt., 8 oz.
46 N 440. List, $1.50. **NET**..........**2.65**

592-03. Replacement Blades. Wt., 2 oz.
46 N 441. List, $1.00. **NET PER SET**..**59¢**

VACO SERVICE KIT



With Crimper

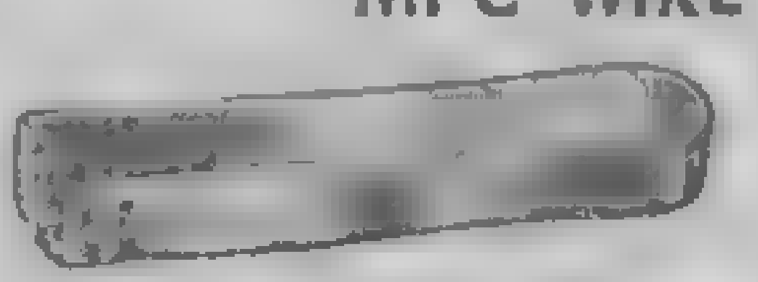
Model 2195. Handy kit contains $5.00 worth of solderless terminals in assorted sizes in addition to Type 1902 crimper-cutter tool described at right. The wide selection of types and sizes permit making almost any type of lug connection in radio or TV work. Terminals with* in listing above included in kit. Clear plastic container. Size, 8¼x6x1¾". Shpg. wt., 2 lbs.
44 N 479. NET......................**8.77**

VACO CRIMPING TOOLS

Model 1930. Designed especially for crimping insulated solderless terminals. Shears bolts and machine screws as well as crimps terminals. Tapped for machine screws in sizes 4-40, 6-32, 8-32, 10-24, 10-32; strips insulation from #22, #20, #18, #16, #14, #12, and #10 AWG wire. Has 2 crimping dies. Steel jaws with red plastic handles. 1 lb.
42 N 844. NET..............**4.16**

Model 1902. As above, except for non insulated solderless terminals. With 3 crimping dies. Shpg. wt., 1 lb.
44 N 843. NET..........**3.87**

MPC WIRE STRIPPER

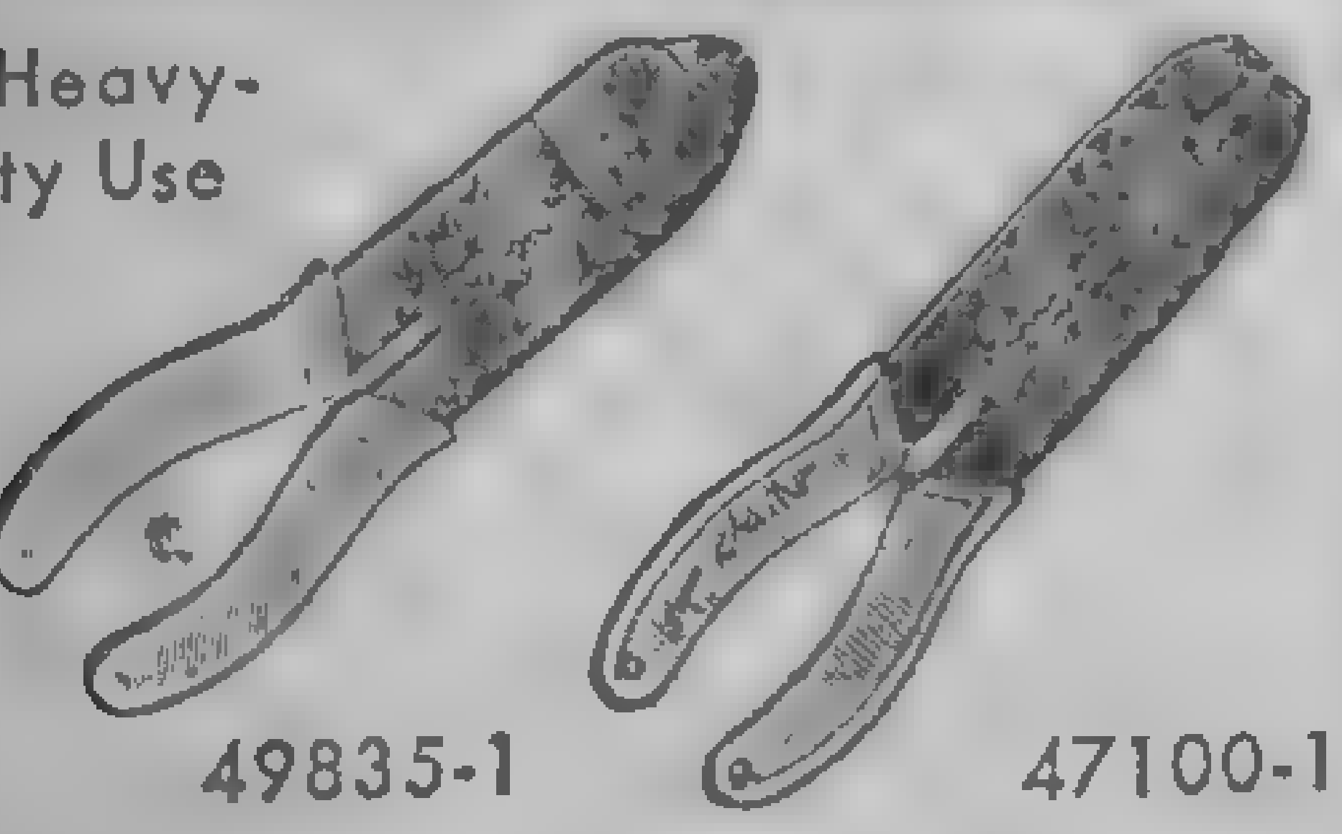


An easy-to-use spring steel, wire stripper and cutter. Has screw for adjusting cutting blade gap for any size wire to No. 12. Length 5⅜". Shpg. wt., 5 oz.
46 N 036. NET..............**79¢**

A-MP CRIMPING TOOLS AND SOLDERLESS TERMINALS

"SUPER CHAMP" CRIMPING TOOL

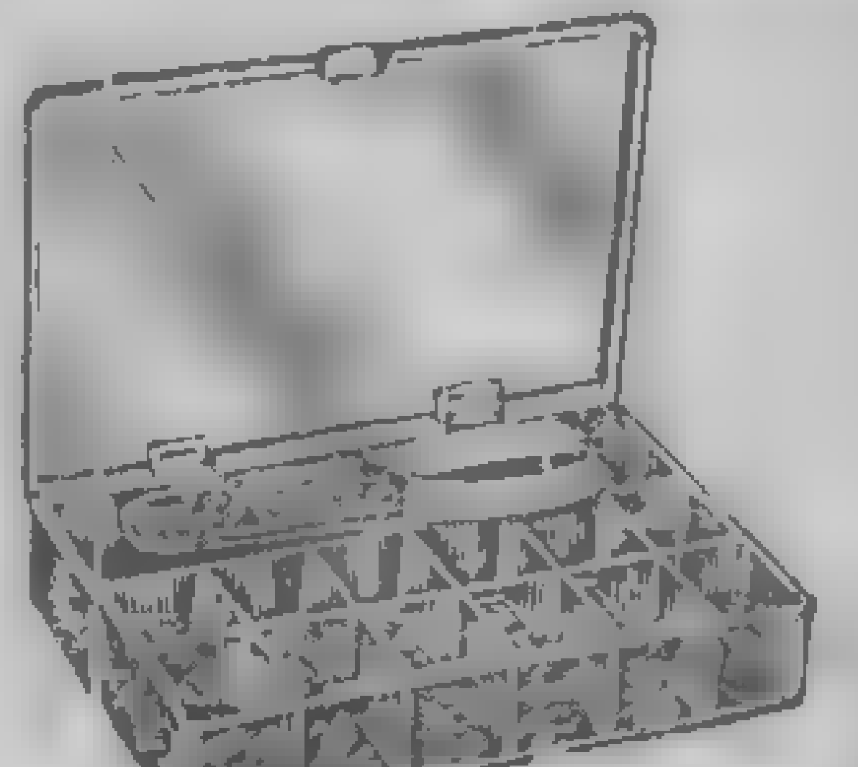
For Heavy-Duty Use



Type 47100-1. Versatile hand tool for electricians, maintenance men, etc. Crimps insulated solderless terminals, shears machine screws, measures stud sizes, cuts and strips wire. Shears machine screws: 4-40, 6-32, 8-32, 10-32 and 10-24. Separate notches strip insulation from #18, #16, #14 and #12 AWG wire. Measures stud (machine screw) sizes: 4, 6, 8, 10, 12, ¼", 5/16" and ⅜". Designed for heavy-duty use—made of hardened tool steel, has insulated yellow plastic handles for a secure and comfortable grip. Shpg. wt., 1 lb.
45 N 321. NET....................**4.95**

Type 49835-1. Same as above, but for crimping non-insulated terminals.
44 N 453. NET........................**4.95**

TERMINAL KIT



Terminal kit containing an assortment of the 12 most popular terminal types for general wiring. 230 insulated, solderless terminals are supplied plus the heavy-duty "Super Champ" crimping and wiring tool described at left. Terminals and tool come in one handy, compact transparent plastic case which makes a handy storage or carrying box. Ideal for radio TV and electrical servicemen, automobile repairmen, hobbyists, etc. Eliminates need for soldering—will save time and labor on many occasions. Compartmented plastic box makes it easy to select the proper terminal and also shows at a glance when it is time to order more. Assortment includes ring, tongue, butt and nylon closed end connectors. For all wire sizes from 10 to 22 and most-often used stud sizes. An invaluable outfit for general wiring. Box size, 9½x6½x2". Shpg. wt., 2 lbs.
45 N 322. *$2 Down.* **NET**..........**19.95**

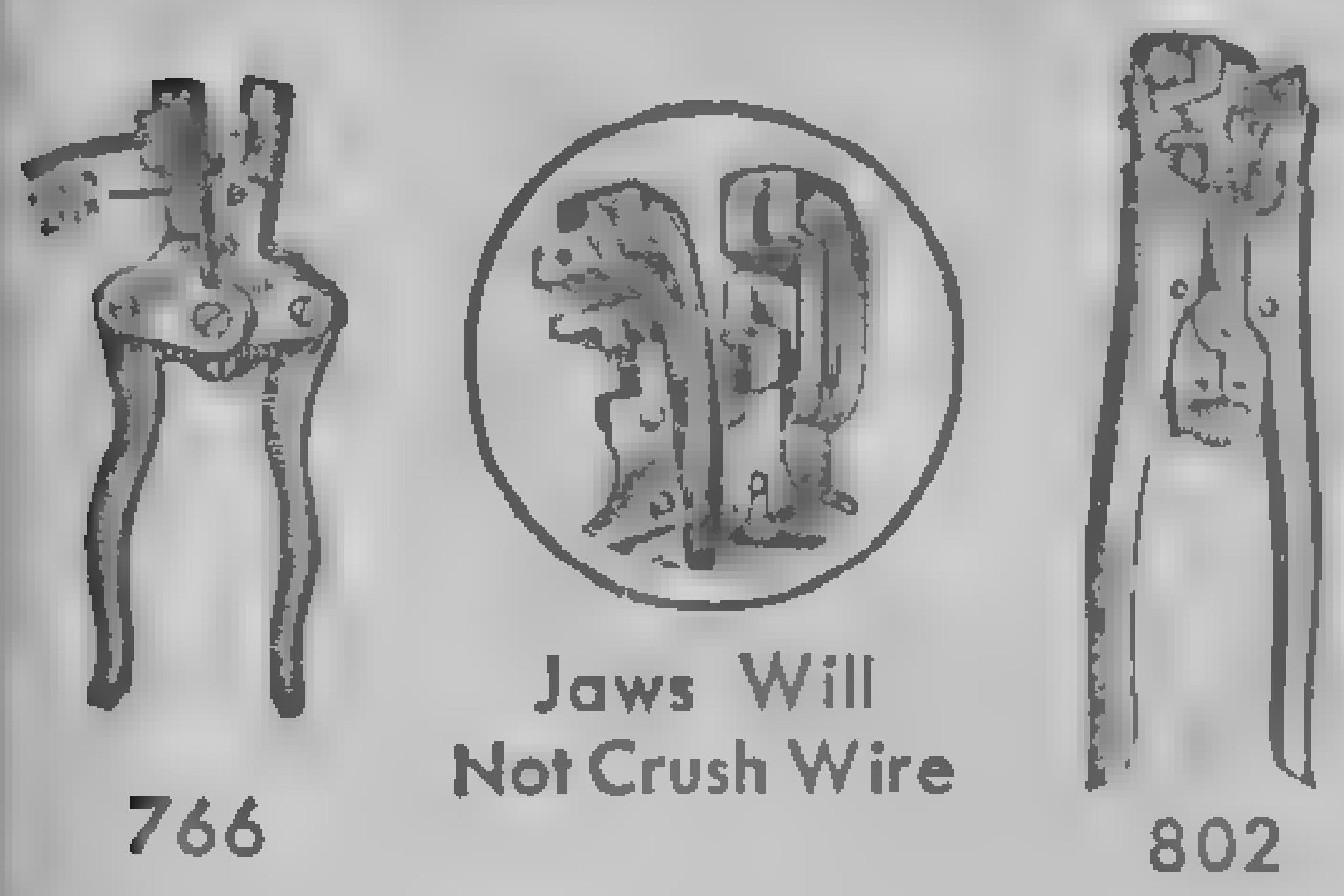
GENERAL WIRING TERMINALS

Eliminate soldering. Simple crimping operation provides extremely strong, neat, vibration-proof connection. Inside of connector ribbed. *Insulated terminals—plastic outer sleeves. Wire size, 14 to 16, except †16 to 22. U.L. Approved. Shpg. wt., 8 oz. **100 per pkg.**

Stock No.	Fig.	Mfr's No.	Type	Stud Size	PER PKG.
45 N 301	R	34149*†	Ring	8-10	6.25
45 N 302	R	34142*†	Ring	4-6	6.25
45 N 303	E	34070*†	Butt	......	7.50
45 N 304	R	34158*	Ring	4-6	6.25
45 N 305	R	34161*	Ring	8-10	6.25
45 N 306	S	34165*	Spade	4-6	6.25
45 N 307	S	34167*	Spade	8-10	6.2
45 N 308	E	34071*	Butt	......	7.50
45 N 323	S	34154*†	Spade	5-6	6.25
45 N 310	A	33211†	Ring	8-10	4.4
45 N 311	A	34194†	Ring	4-6	3.9
45 N 312	T	31818†	Butt	......	4.6
45 N 313	A	34197	Ring	4-6	4.4
45 N 314	A	33217	Ring	8-10	3.9
45 N 315	B	33477	Spade	4-6	4.9
45 N 316	B	33219	Spade	8-10	4.9
45 N 317	W	31762†	Knife	......	9.2
45 N 318	W	31763	Knife	......	9.2
45 N 319	C	34846	Shur-Plug	......	2.2
45 N 320	....	36840*	Recep.	......	6.9

Staplers and Wire Strippers

G-C WIRE STRIPPERS


766
Jaws Will Not Crush Wire
802

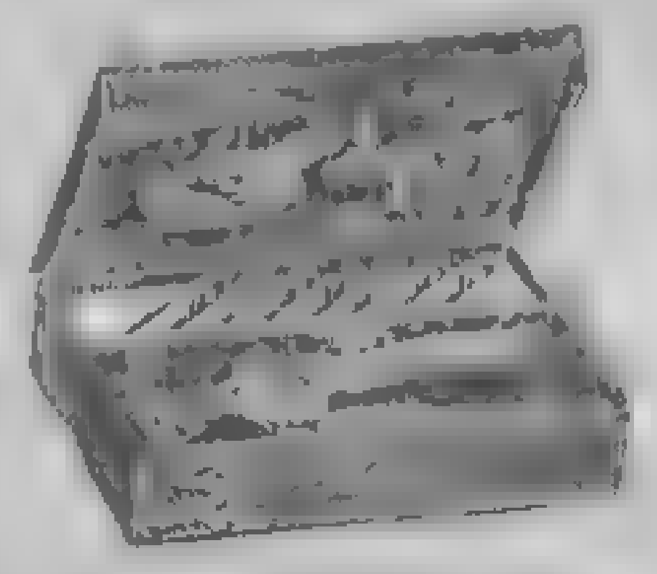
Completely eliminate damage from pulling or tugging on wire ends. Remove insulation only from all types—no crushing or nicking of wire. Strip wire ends or any spot along wire.

Deluxe Models. Equipped with "delayed return action" to prevent crushing of fine stranded wires. Easy to use. Just insert wire into jaws and squeeze handles. Has hardened steel cutting blades. Shpg. wt., 1¼ lbs.

Stock No.	Type	For Wire Size	NET EACH
46 N 225	766	12 to 20	5.82
46 N 226	766A	14 to 30	

Standard Models. Same design as above, but without "delayed return action." A smooth-operating, highly efficient tool at very moderate cost. Hardened blades. Shpg. wt., 1¼ lbs.

Stock No.	Type	For Wire Size	NET EACH
46 N 003	733	12 to 20	4.66
46 N 004	733A	14 to 30	



Type 766K Kit. A complete, versatile kit to fill most service and production line needs. Contains the Deluxe Wire Stripper described above and 7 different size hardened steel blades in special steel box. For wire sizes from No. 8 up to No. 30. Inside cover of box contains a guide listing of blades to use for various wire sizes. A practical addition to tool box. Shpg. wt., 2¼ lbs.
46 N 229. NET 11.73

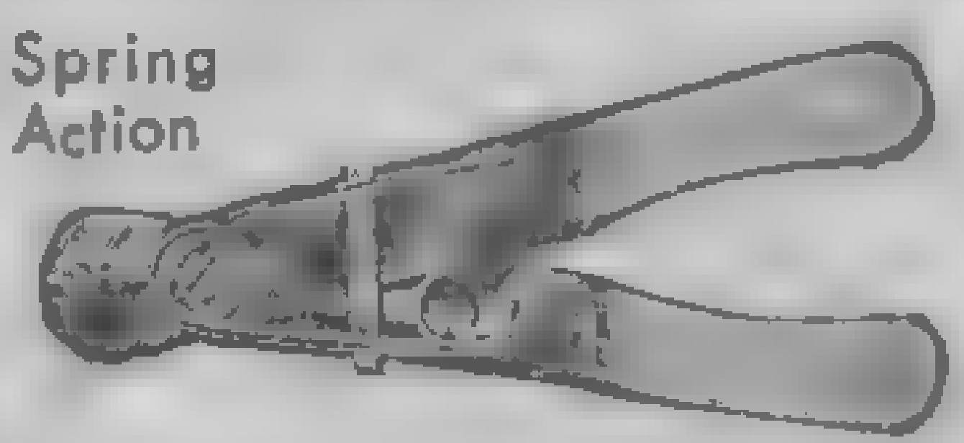
Type 802 Speedstrip Wire Stripper. Automatically strips insulation from wires neatly and quickly. For wire sizes from 10 to 22. Has "stay-open" feature to prevent crushing fine wires. Strips end or any point along wire. With automatic stop return and built-in wire cutter. Has precision-ground blades of hardened steel. Shpg. wt., 8 oz.
50 N 341. NET.. ....5.82

STRIPPER BLADES

Stock No.	Mfr's Type	For Wire Size	NET EACH
50 N 344	812	10 to 22	1.62
50 N 345	813	8 to 14	1.62

Type 757 5-In-1 Stripper. Serves as wire stripper, cutter, scraper, winder, and screwdriver. Strips insulation easily without cutting wire. Wt., 3 oz.
43 N 905. NET...........29c

K. MILLER WIRE STRIPPERS—CUTTERS

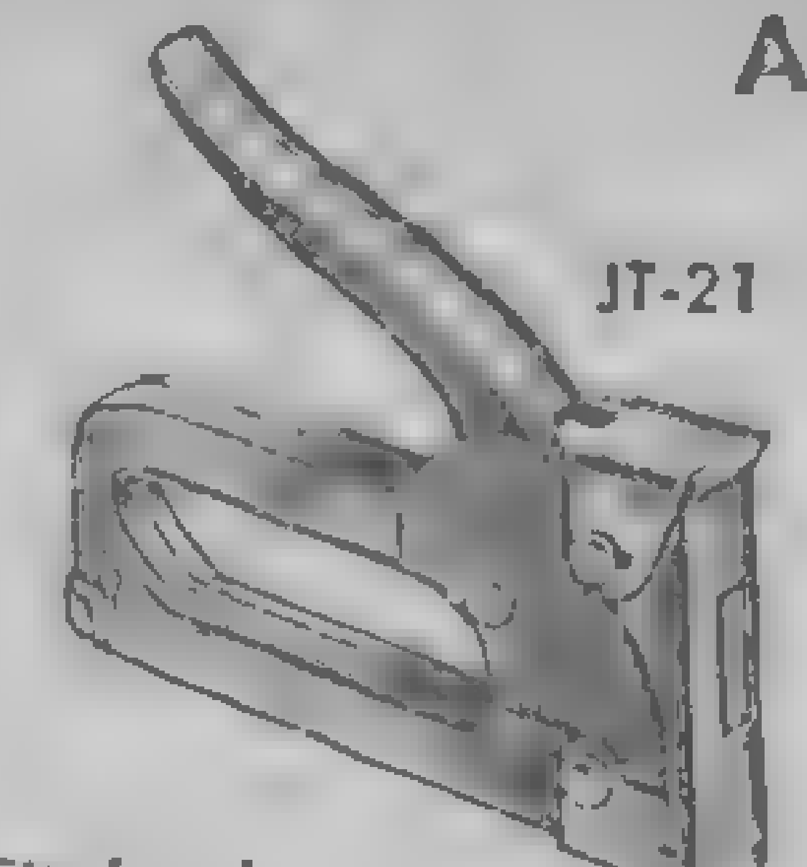


Model 101-S. Combination wire stripper and cutter. Adjusts to strip insulation from any wire up to No. 8, solid or stranded. Calibrated adjustment for convenient resetting to exact jaw opening for any wire. Hardened steel blades. Spring lock holds blades closed when not in use. 5" long. 4 oz.
46 N 246. NET.........................1.17

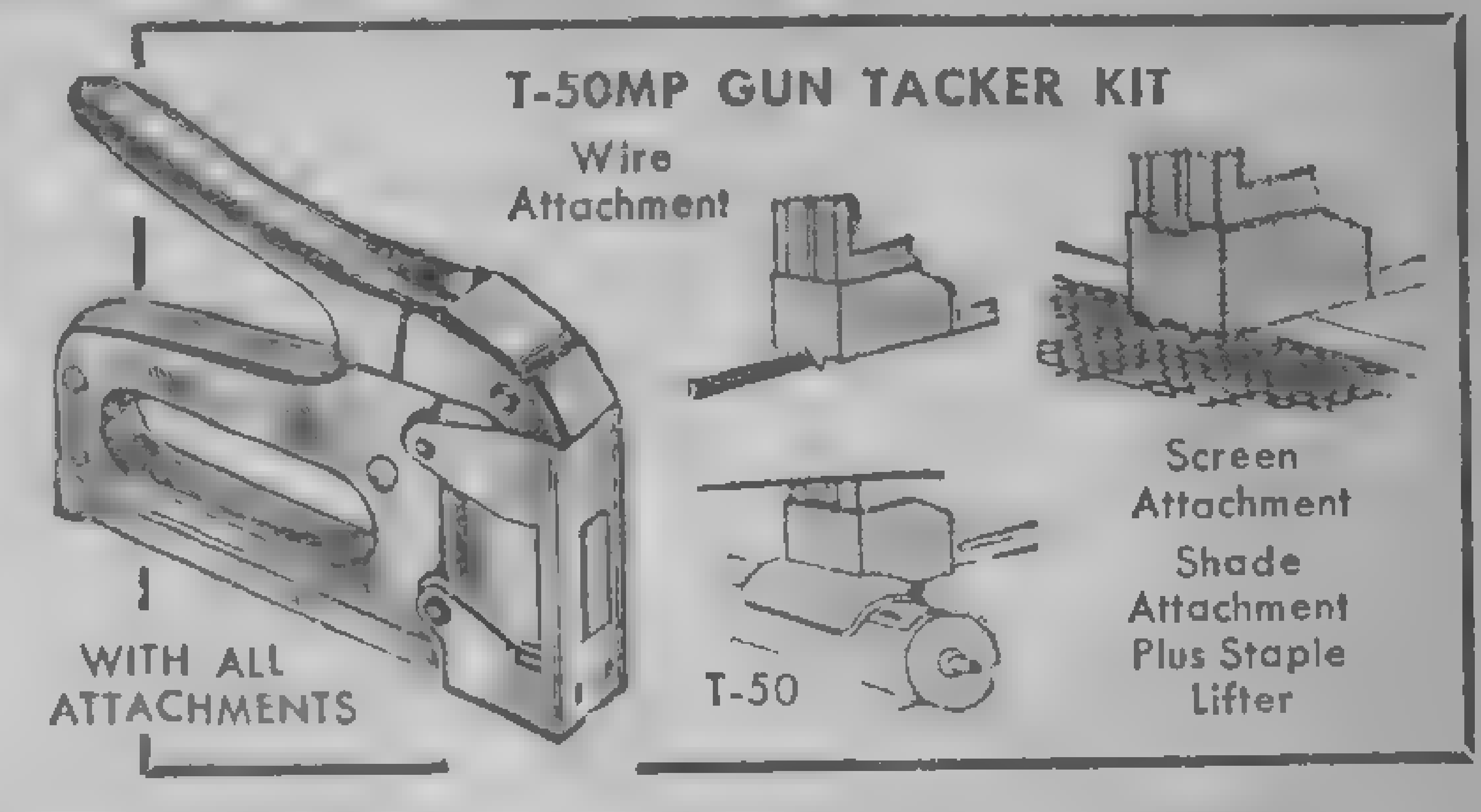
Model 100. As above, but without spring action. Shpg. wt., 4 oz.
50 N 338. NET.........................87c

Model 200. Combination coaxial cable stripper, cutter and slitter. Strips clean without nicking center conductor or fraying shield. Adjustable blades are factory adjusted for RG59/U cable. 3 step operation leaves cable ready for installation of coaxial connector. With hardened tool steel blades. Shpg. wt., 8 oz.
50 N 339. NET.........................13.47

ARROW STAPLE GUNS AND KIT



Fits hand comfortably—easy to operate. Does hundreds of jobs around home or shop.



MODEL JT-21 JR ECONOMY STAPLER

Efficient easy-action staple gun at an unusually low price. Combines speed with ease of operation. Ideal in the shop for tacking down twin-line, grille cloth, and acoustic padding. Excellent for many home uses such as screening, upholstery, shelfing, lining, etc. Drives staples firmly in place with minimum squeeze pressure—employs special non-jamming mechanism. Built-in staple lifter allows easy removal of driven staples. Gun handle locks in place for safe, easy carrying—prevents accidental operation. All-steel construction—precision built for dependable service. Has loading capacity of 100 staples. Size, ¾x6⅛x3". Less staples, listed below. Shpg. wt., 1 lb.
45 N 653. List, $4.95. **NET**..........3.97

CABLE STAPLERS

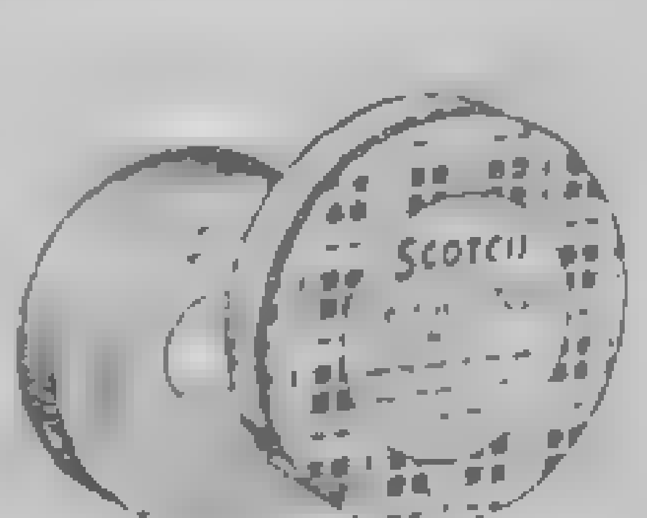
Model T-25. For wires or cables up to ¼" dia. Grooved guide assures exact fit of staple. Loads 85 staples. 5½x7x¾". 2½ lbs.
46 N 491. List, $15.00. **NET**........12.49

Model T-75. For non-metallic sheath cable or objects up to ½" in dia. Groove in gun envelopes wires and cables for clean, damage-free stapling. Automatic stop guard for uniform penetration of staples. Load capacity, 53—.075" staples. 5¾x7x⅞". 2½ lbs.
46 N 493. List, $15.00. **NET**........12.49

ARROW GUN STAPLES

Stock No.	For Model	Width	Length	Quantity	Wt.	NET
45 N 654	JT-21 JR	13/32"	¼"	1000	4 oz.	.49
45 N 655	JT-21 JR	13/32"	5/16"	1000	4 oz.	.49
45 N 790	T-25	¼"	⅜"	5000	1 lb.	3.33
46 N 492	T-25	¼"	7/16"	5000	1 lb.	3.33
45 N 791	T-25	¼"	9/16"	5000	1 lb.	3.74
47 N 096	T-32	7/16"	¼"	5000	1 lb.	1.87
46 N 063	T-32	7/16"	5/16"	5000	1 lb.	2.08
45 N 793	T-50	⅜"	¼"	5000	1 lb.	2.08
45 N 789	T-50	⅜"	5/16"	5000	1 lb.	2.20
45 N 792	T-50	⅜"	⅜"	5000	1 lb.	2.29
46 N 294	T-50	⅜"	9/16"	5000	1 lb.	2.92
45 N 798	T-75	½"	9/16"	1000	1¼ lbs.	1.88
45 N 799	T-75	½"	⅝"	1000	1¼ lbs.	1.88
46 N 494	T-75	½"	⅞"	1000	1¼ lbs.	2.08

SCOTCH PLASTIC BACKED TAPE



Type 33. Plastic-backed electrical tape. .007" thick; 10,000 v. dielectric strength. Molds easily to irregular surfaces, allowing neat, compact insulated wrappings. Highly resistant to chemicals, abrasion, oil, salt water, weather. Av. shpg. wt., per roll, 6 oz.

Stock No.	Size	Per Roll	12-Up, EACH
52 N 613	¾"x20'	.54	.49
52 N 616	¾"x66'	1.47	1.32

Type 88. All-weather, 8.5 mil plastic-backed electrical tape. Makes splice wrapping easy in cold weather, yet retains body for easy application at normal temperatures. Abrasion, oil, and flame resistant. Wt., 6 oz.
52 N 700. ¾"x66'. **NET PER ROLL**..1.75
12-Up, EACH.........................1.58

G-C "SPEEDEX" FUSE PULLERS

Designed for quick removal of cartridge-type fuses. Features non-slip construction. Laminated insulation of high dielectric material prevents shock from dangerous high voltages.

Stock No.	Type	For Fuses	Wt.	NET
45 N 836	5525	¼" to ½"	6 oz.	41¢
45 N 837	5526	½" to 1½"	7 oz.	97¢

T-50MP GUN TACKING KIT

This handy, multi-purpose tacker gun kit has 1001 fastening uses—it includes 4 attachments to make your work easier. Ideal for use in the home, shop or store. Kit includes a T-50 heavy-duty tacking gun, and attachments for repairing window screens, tacking down wire and cable, and tacking window shades on rollers. Also included is a convenient staple lifter for removing driven staples.

T-50 gun has rugged, all-steel construction with chrome finish; patented non-jamming mechanism. Uses double leverage action for powerful drive with minimum squeeze pressure.

Kit is supplied complete with 2000—¼" staples, 1000—⅜" staples, 1000—½" staples, and 1000—Ceiltile staples. Shpg. wt., 5½ lbs.
50 N 466. List, $17.50. **NET**........14.57

T-50 TACKING GUN ONLY. Ideal for electricians, repairmen, and home hobbyists. Loads 85—.050" staples, listed at left. 5½x7⅛x¾". Shpg. wt., 2 lbs.
46 N 292. List, $12.50. **NET**.........10.41

T-50 ATTACHMENTS

Stock No.	Mfr's Type	For Stapling;	Shpg. Wt.	NET EACH
52 N 701	T-50	Window Screens	2 oz.	85¢
52 N 702	T-50	Wires and Cables	2 oz.	85¢
52 N 703	T-50	Window Shades	2 oz.	85¢
52 N 704	SL-50	Staple Lifter	3 oz.	85¢

T-32 MEDIUM-DUTY STAPLER

Excellent for 300-ohm twin-lead, intercom cable, screens, shades, upholstery, light insulation or plastic sheeting. Non-jamming mechanism has double leverage action. All steel construction with chrome plating. Safety-lock handle. Loading capacity of 150—.032" staples. Size, 5x7x¾". Wt., 1¾ lbs.
46 N 062. List, $10.50. **NET**.........8.74

DUTCH BRAND TAPE

Friction Tape. Very popular standard width tapes. Find widespread uses in radio, electrical, home and shop applications. Have tough, long-wearing fabric base which resists the effects of abrasion and weathering. Makes tight insulated wrappings. Av. wt., 7 oz.

Stock No.	Size	NET PER ROLL		
		1-29	30-99	100-Up
52 N 610	¾"x13'	14¢	13¢	12¢
52 N 611	¾"x32'	22¢	21¢	20¢
52 N 612	¾"x68'	42¢	40¢	38¢
52 N 620	⅝"x60'	21¢	20¢	19¢

Plastic Tape. Strong, black vinyl plastic electrical tape. Stretches and conforms to irregular surfaces. Clings tightly—forms tight, compact insulated wrappings which do not unravel, even after long periods of time. Its high-dielectric strength and excellent adhesive qualities make it a favorite with radiomen and electricians. ¾" type is only .007". Rated 7000 volts. ½" type is .010". Rated 10,000 volts. Av. shpg. wt., 6 oz.

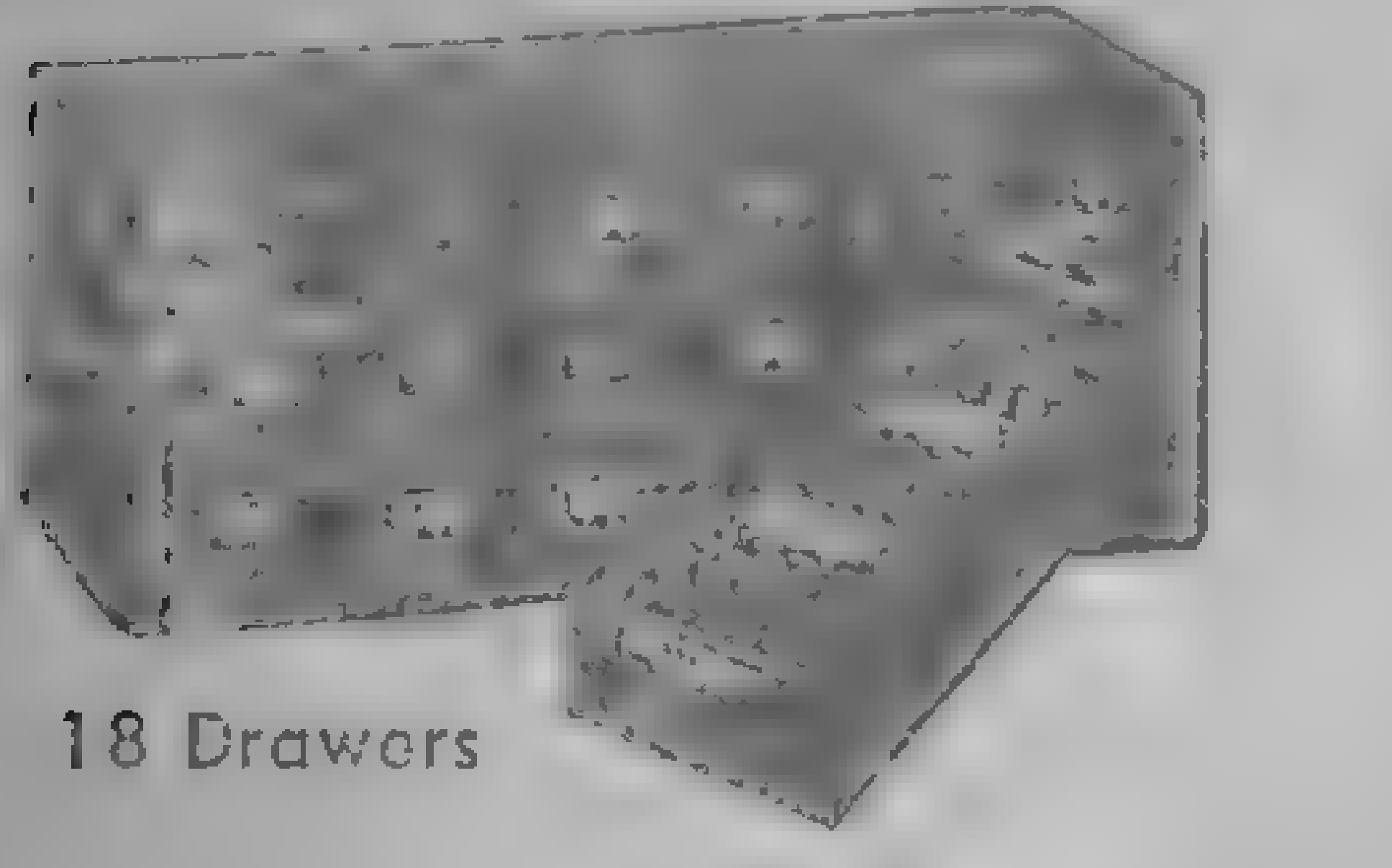
52 N 614. ¾"x44'. **NET PER ROLL**..1.00
15-49, EACH.........................92¢
50-Up, EACH.........................82¢

52 N 623. ½"x108'. **NET PER ROLL**.1.84
6-47, EACH.........................1.69
48-Up, EACH.........................1.53

Steel Cabinets—Stands—Trucks

EQUIPTO METAL PRODUCTS

GENERAL STORAGE CABINETS



No. 11. 18-Drawer Cabinet. Ideal for storing small parts in easily accessible order. Especially suited for radio-TV service shops, machine shops, labs, home workshops, offices. Each drawer is equipped with two removable cross-dividers—adjustable to any 1" interval of drawer length. Jam-proof drawers have large, convenient handles. Instant-visibility label holders on drawers and dividers. Heavy-duty all steel frame. Olive-green finish. Drawer size, ⅛x5⅜x11". Overall size, 13¾x34x12". Units may be stacked for greater storage space. Shpg. wt., 62 lbs.
86 NZ 011. *Only $2 Down.* **NET....27.90**

No. 22. 18-Drawer Cabinet. As above, but [illegible]" deep. 3⅛x5⅜x17" drawers. 95 lbs.
NZ 099. *Only $2 Down.* **NET......37.90**

No. 8. 8-Drawer Cabinet. As No. 11 above, but with 8 drawers, on 2 levels. Size of drawers, ⅛x5⅜x11". Overall size, 10x25½x12". Shpg. wt., 33 lbs.
86 NU 012. NET..................15.95

Type 8505 Drawer. Same drawer as in cabinets No. 11 and No. 8, above. Popular for use as parts trays on open shelves. Less dividers, shown below. Shpg. wt., 2½ lbs.
86 N 869. NET 90c

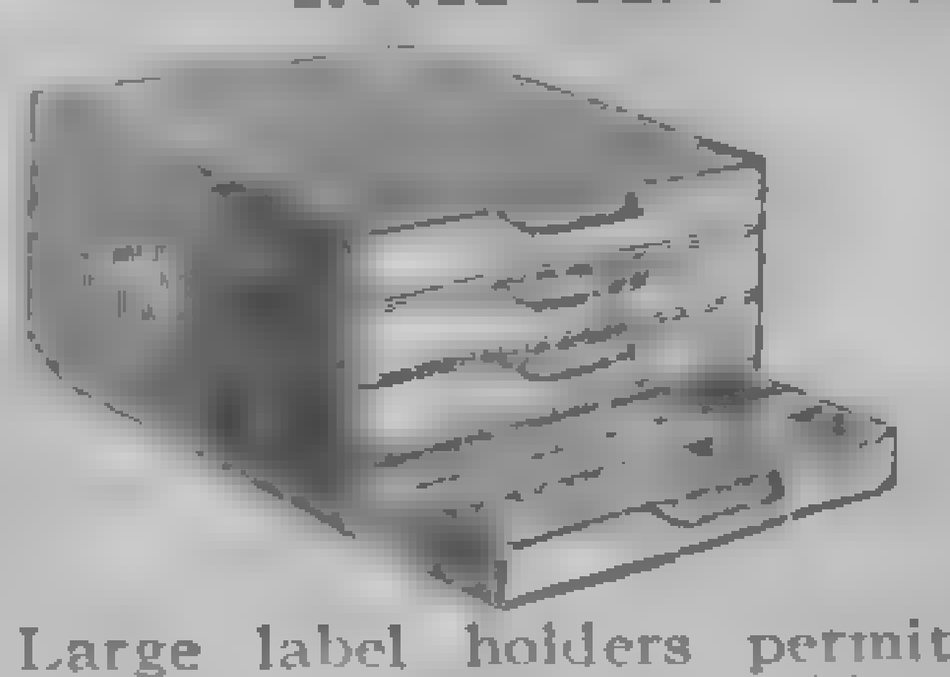
Type 8711 Lengthwise Dividers. For cabinets No. 8 and No. 11; and No. 8505 drawers, above. Shpg. wt., 9 oz. **5 per package.**
86 N 871. PER PACKAGE...........50c

Type 8720 Cross Dividers. For cabinets No. No. 11, No. 22; and No. 8505 drawers, above. Shpg. wt., 6 oz. **5 per package.**
86 N 872. PER PACKAGE...........50c

COMBINATION CABINET

No. 12. 18-Drawer Cabinet. This deluxe 2-in-1 cabinet combines extra-large storage capacity of standard-drawer units at left with safe, convenient tiny parts storage features of "Little Gem" drawers below. 14 standard-size drawers have dividers for 3 compartments each —4 "Little Gem" drawers have dividers for 12 compartments each. Large label holders on all drawers for rapid identification of contents. Rugged steel construction, with olive-green baked enamel finish. Standard drawers are 3⅛x5⅜x11". "Little Gem" drawers, 1½x11x 11". 13¼x34x11½". Shpg. wt. 68 lbs.
86 NZ 096. *Only $2 Down.* **NET.....39.30**

"LITTLE GEM" CABINETS

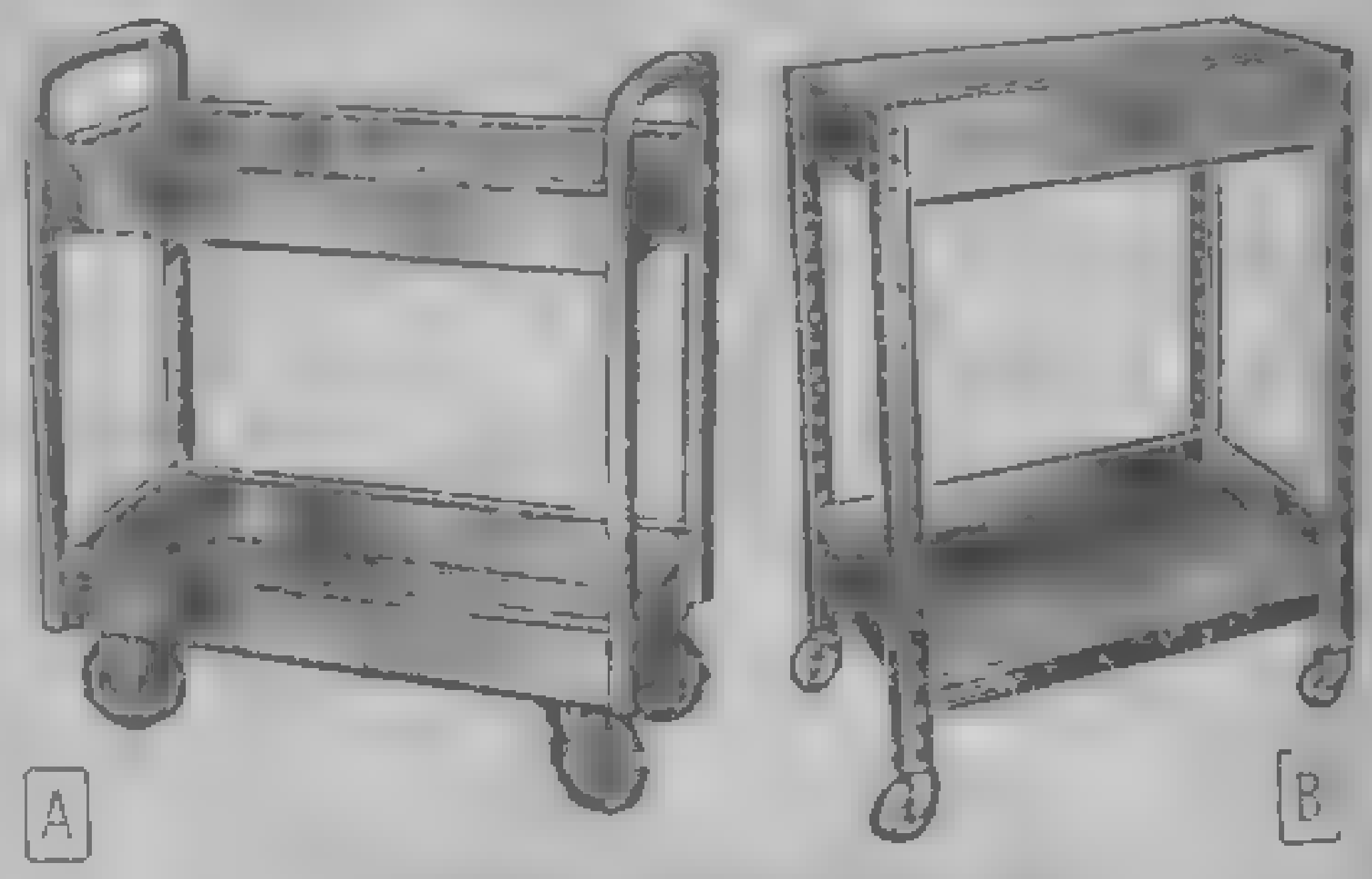


Perfect for storing tiny, often-used parts you want to keep handy. Pieces stay where you put them—can't "creep" under snug-fitting drawer dividers. Large label holders permit labeling entire drawer front, for easy identification of contents. Individual cabinets lock together when stacked. Drawer-stops prevent spilling parts. Dividers adjustable on 1½" centers. Drawers 1½x11x11", with dividers for 12 compartments each. Additional dividers can be added (see below). Olive-green enamel finish.

Stock No.	Type No.	No. of Drawers	Size (HWD)	Wt., Lbs.	NET EACH
86 NX 065	1	2	3¼x11x11"	7	6.95
86 NX 066	2	4	6½x11x11"	15	13.90
86 NU 067	3	6	9¾x11x11"	23	20.85

Type 8730 Dividers. For above, to provide up to 28 compartments per drawer. Size, 1½x [illegible] **5 per package.**
86 N 062. PER PACKAGE 50c

STEEL STANDS AND TRUCKS



STURDY STEEL TRUCKS

A Rugged steel trucks, with round beaded edges for extra strength and rigidity. Ideal for heavy trucking in narrow aisles—wherever strength and rolling ease are a must. Husky 5" solid-rubber-tired wheels are smooth, quiet—rear wheels swivel, for easy steering. 4"-deep trays carry up to 600 lbs. Top tray becomes tabletop when inverted. Olive-green baked enamel finish. Paper shelf, below, can be fixed to push bar—for filling orders, keeping records, etc.

Stock No.	Mfr's Type	Size (HWD)	Wt., Lbs.	NET EACH
86 NZ 090	150	36x24x36"	70	39.90
86 NZ 092	145	36x16x30"	60	29.90

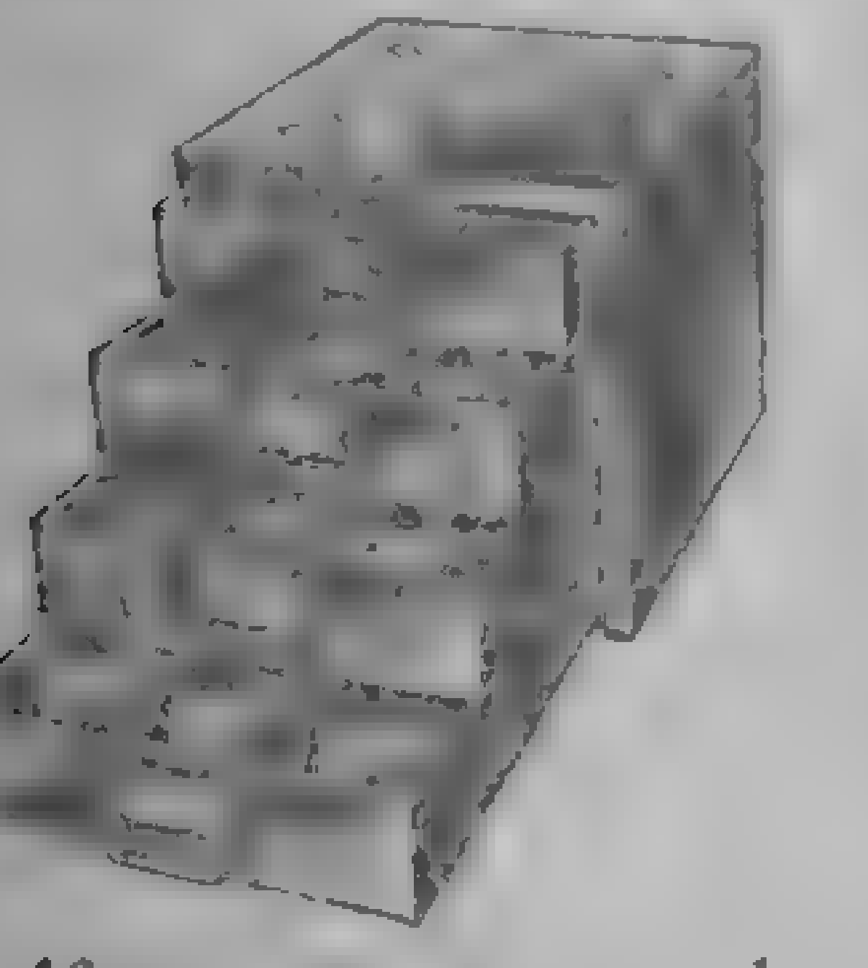
Type 146 Shelf. For above 8½x11". 5 lbs.
86 N 093. NET... ....2.50

CHASSIS AND TEST UNIT STANDS

B Handy stands for moving or working on radio-TV chassis, electronic equipment, heavy test instruments. Ideal for service shops, factories, labs. Rugged steel construction, with quiet, smooth-rolling 2½" solid-rubber-tired wheels. Excellent for narrow passages Lower shelf space for carrying or storing tools, parts, extension cords, accessories. Both stands are 34" high, 18" wide, 24" long.

Stock No.	Mfr's Type	Description	Wt., Lbs.	NET EACH
86 NZ 087	710	Metal top	55	16.30
86 NZ 088	711	Wood top	57	17.80

UNION 410 4-DRAWER STEEL CHEST

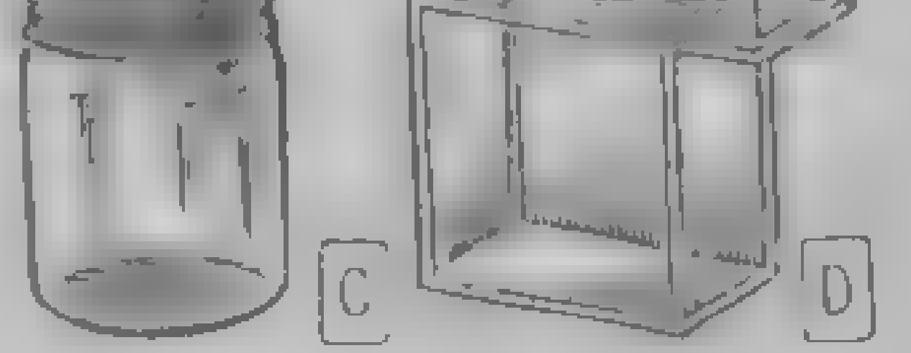


Sturdy, all-steel chest for keeping often-used radio-TV hardware and small parts within handy reach. Ideal for repair shop, home workshop, experimenter, hobbyist, etc. Four easy slide drawers, 2x 9x11½". Drawers have label holders and enough removable dividers to make from 2 to 12 compartments per drawer. 10x10x11½". Shpg. wt., 10½ lbs.
86 NX 019. NET....................4.97

STURDILITE STEEL DRAWER

Creates extra storage space by utilizing wasted area under top of workbench, desk, cabinet, table or shelf. Excellent for spare parts, tools, accessories. Ideal wherever storage space is needed in a hurry —at low cost and little effort. Steel frame and thick hard-board bottom hold a heavy load without warping. Never-stick steel slides have stopping device, to prevent spilling. Mounts quickly and easily under bench, tabletop, desk, etc. All hardware included. Blue-gray baked enamel finish. 5" high, 15" wide, 18" deep. Shpg. wt., 10 lbs.
86 NX 284. NET...................5.97

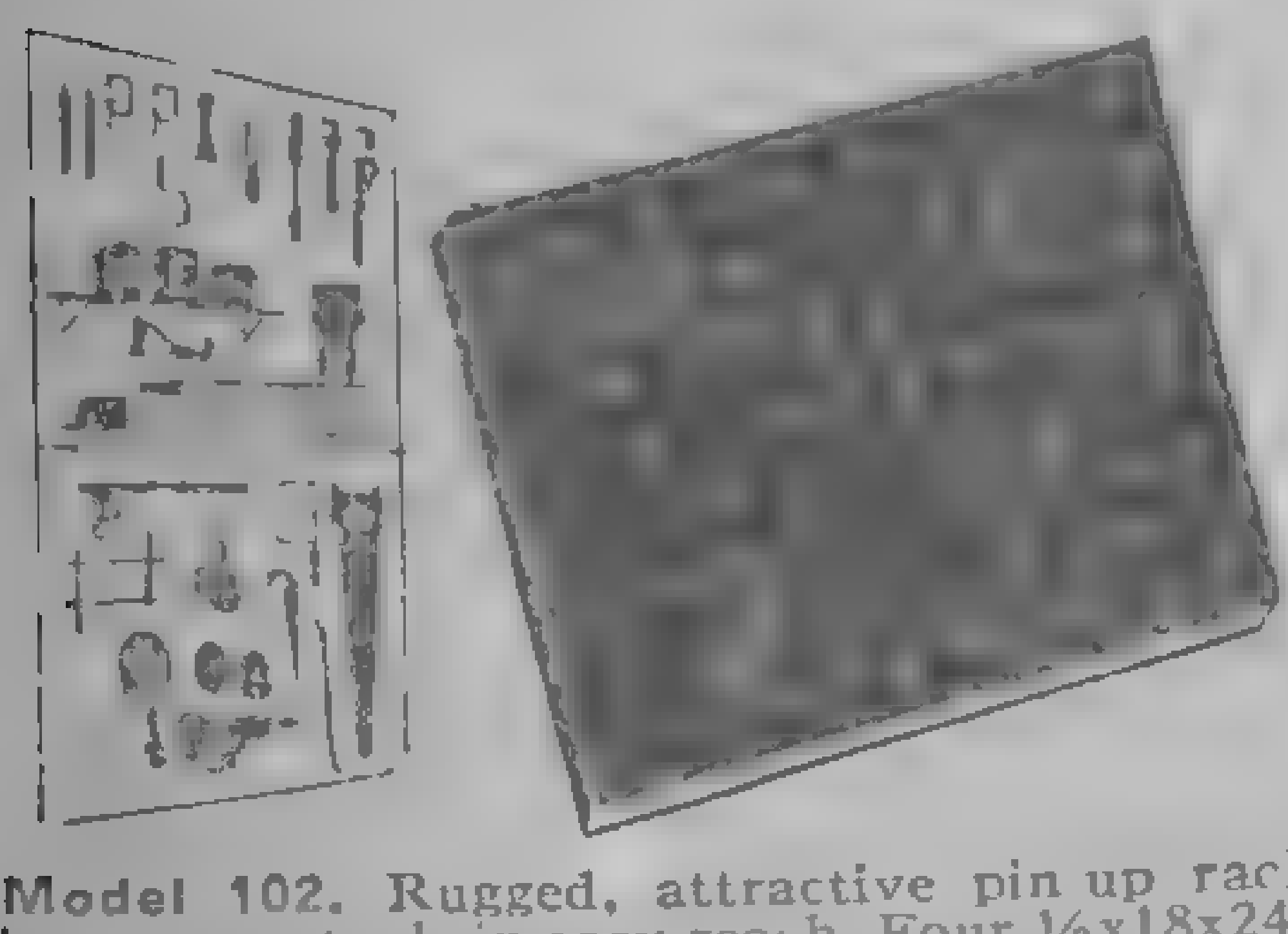
STORAGE CONTAINERS



C **Glass Jar.** Ideal storage for small parts. Metal screw cap keeps out dust, moisture. Ideal for use on the radio-TV service bench, in the home workshop, etc. 2½" high; 2" in diameter. Shpg. wt., 7 oz.
44 N 500. NET EACH.... ....6c
12 or More, EACH 5c

D **Plastic Container.** Durable, clear-view plastic container for small parts. Perfect for use on the service bench for storing resistors, capacitors, screws, nuts, washers, etc. Smooth operating sliding covers keep out dust. Size: 2½x1½x2½". Shpg. wt., 2 oz.
44 N 501. NET EACH. 21c
12 or More, EACH 18c

WALL TOOL RACK KIT



Model 102. Rugged, attractive pin up rack keeps your tools in easy reach. Four ⅛x18x24" perforated hardboard squares make 12 square feet of handy storage space. 62 specially designed fixtures hold saws, hammers, pliers, wrenches, planes, files, screwdrivers and many other tools and accessories. Includes four 4-oz. nail and screw jars, 2 shelf brackets, mounting screws, spacers, and complete instructions. Shpg. wt., 15 lbs.
86 NX 178. List, $7.98..............**5.39**

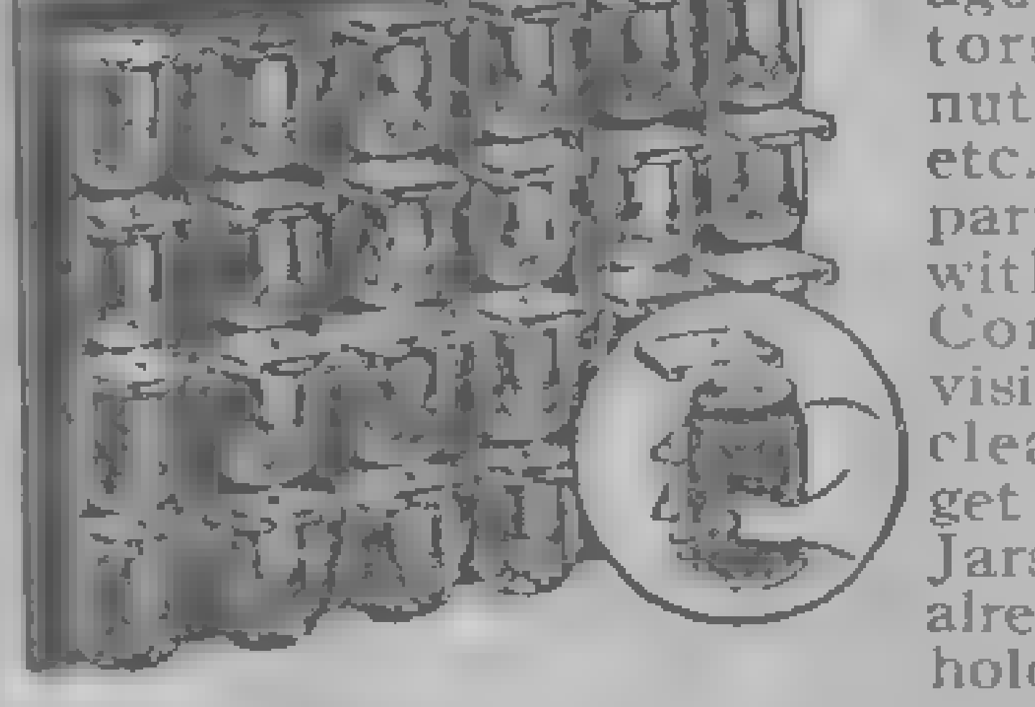
Model 102W. Workshop Unit. As above, but less perforated hardboards. Includes 62 fixtures, all hooks, brackets, jars, spacers and mounting hardware. Shpg. wt., 3 lbs.
50 N 127. List, $3.85.................**2.59**

DIXIE INTERLOCKING DRAWERS

These economical little aluminum trays provide excellent storage for a wide variety of radio and TV small parts and hardware. Drawer housings have interlocks on tops, bottoms and sides—they lock together into one large single unit when stacked. Any number of drawers may be assembled to fit irregularly shaped spaces, or may be used individually. Label holders on front of drawers make it easy to identify contents without looking inside. Ideal for radio-TV repair shops, machine shops, home workshops, etc. Drawer dividers, below, may be added to make individual compartments, for keeping small parts separated. Size 2⅞x [illegible]
86 N 023. 10 or More, EACH .....38¢
1-9, EACH ..... 46¢

Drawer Dividers. For Dixie drawers, above. Shpg. wt., 4 oz. **3 per package.**
86 N 179. PER PACKAGE............10¢

VIS-A-PART BOARDS



Ideal low-cost storage for small resistors, condensers, nuts, bolts, screws etc. Jars keep small parts in full view, within easy reach Contents always visible, yet remain clean, dry—can't get mixed up or lost. Jars slide out easily, already open. Metal holders cover jars —no lids to screw off. Rugged, space-saving masonite board has 4 holes for easy wall mounting—doesn't take up valuable bench space. Perfect for use by radio-TV repairmen, machinists, and hobbyists.

Stock No.	Type	Size	Lbs.	NET
86 NX 246	12-Jar	8¾x18"	4½	1.91
86 NX 245	24-Jar	18x18"	9	3.53

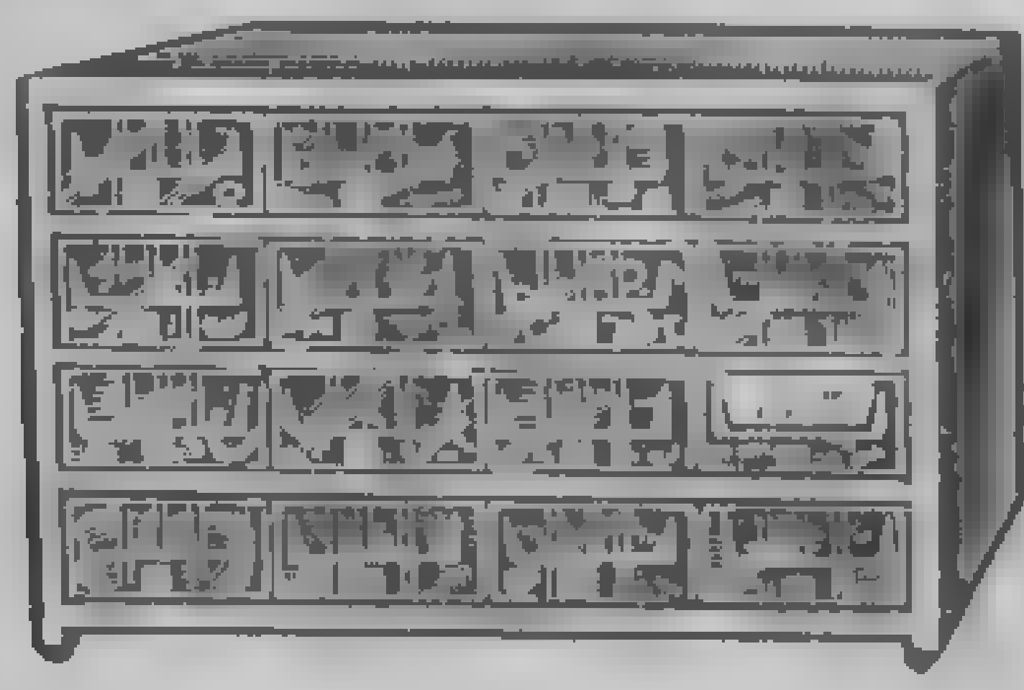
Replacement Jars. Individual replacement jars for Vis-A-Part Boards. Shpg. wt., 2 oz.
46 N 207. NET EACH...................8¢

Holder Clips. Same as jar holders in Vis-Part boards above. Shpg. wt., 2 Oz. **Pkg. of 2.**
46 N 204. NET PER PACKAGE.......20¢

Tool Boxes—Parts Cabinets

AKRO MILS CABINETS

J-SERIES SMALL PARTS CABINETS



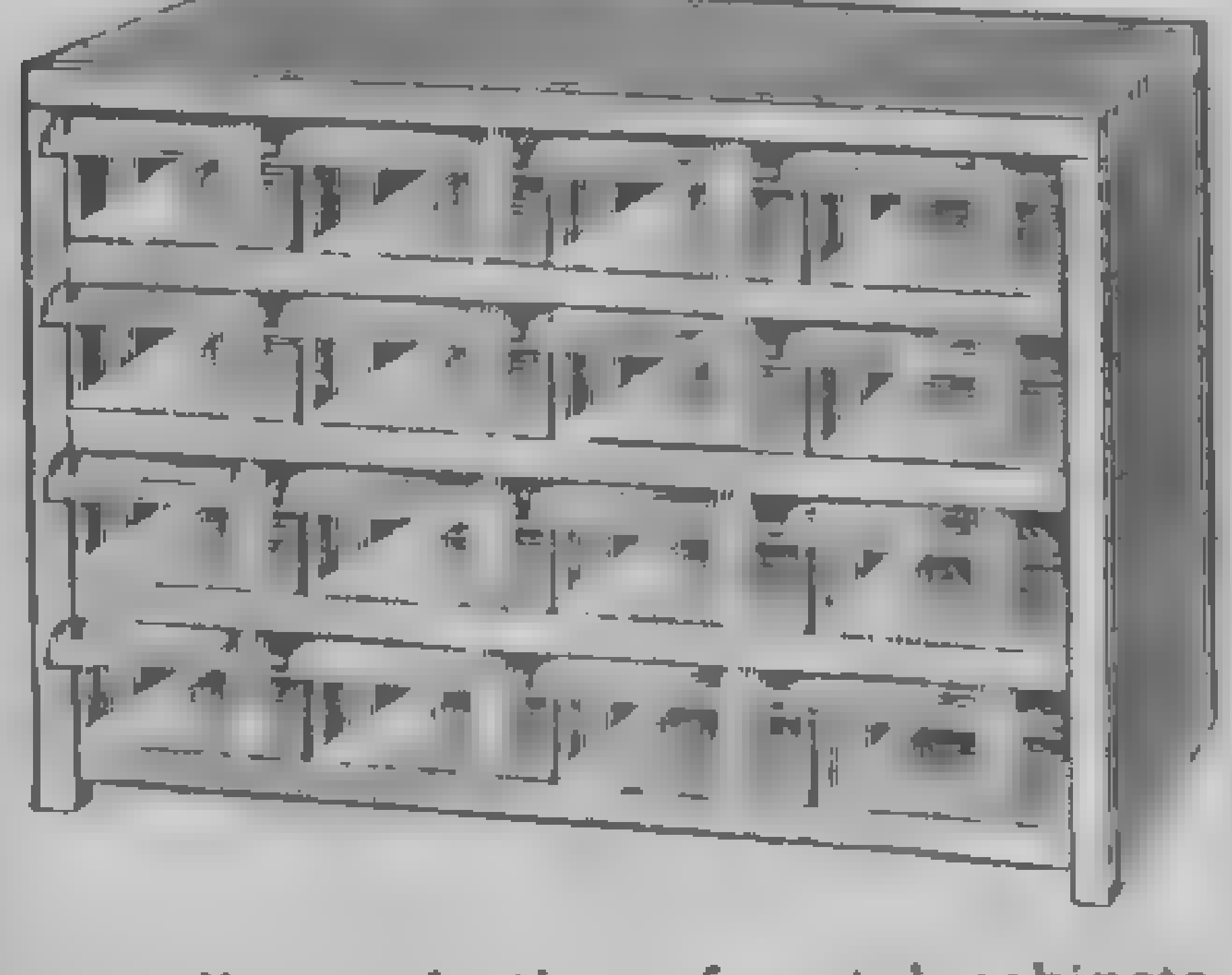
Beautifully Styled—Clear Plastic Drawers

New, improved, space-conserving cabinets for small parts and hardware storage. Ideal for the home workshop. Clear-plastic drawers, 1 7/16x2¾x5⅞", are separated into three sections by removable transparent plastic dividers. Dividers have clamping effect when pushed into place; avoids "creepage".

Parts are clearly visible for easy identification. Convenient, press-on labels for drawers are furnished. Handles located at top of drawers provide easy grip without blocking view of labels. Backstop prevents accidental pull-out of drawers; contents cannot spill. Additional cabinets can be attached to back, side or top. Rubber feet prevent damage to tabletop, shelf, etc. Welded, all-steel cabinets have silver-gray Hammertone finish.

Stock No.	Mfr's Type	No. Draw.	H. W. D.	Wt., Lbs.	NET EACH
86 NX 047	J-16	16	8⅛x12½x6"	8	6.48
86 NX 144	J-24	24	12x12½x6"	10	9.48
86 NX 048	J-32	32	15¼x12½x6"	13	11.98
86 NU 039	J-64	64	15¼x25⅛x6"	25	23.98

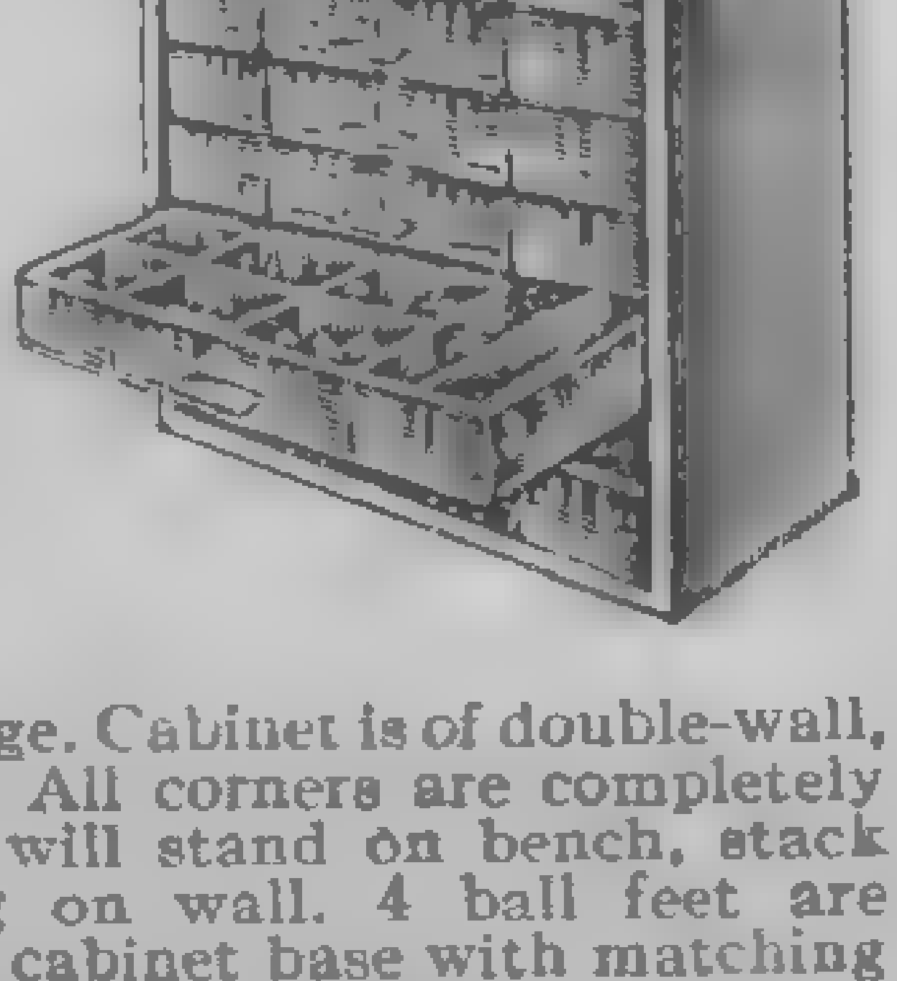
METAL SMALL PARTS CABINETS



An excellent selection of metal cabinets for storage of small parts. Feature extra-large plastic drawers, 2" high, 11" deep and 4" wide. Drawers may be partitioned into numerous compartments with snap-in-place dividers provided. Supplied with index labels. Suffix in Mfr's Type number indicates number of drawers in cabinet. All cabinets are 17⅞" wide and 11" deep.

Stock No.	Mfr's Type	Height	Wt., Lbs.	NET EACH
86 NX 579	M4B-8	6⅛"	11	10.98
86 NX 597	M4B-12	8 13/16"	15	15.98
86 NX 598	M4B-16	11½"	18	20.98
86 NX 599	M4B-24	16⅞"	24	31.98
86 NX 622	M4B-32	24¼"	31	41.98
86 NX 623	M4B-40	27⅝"	38	52.98

"E-Z FIND FULL-VIEW" CABINETS



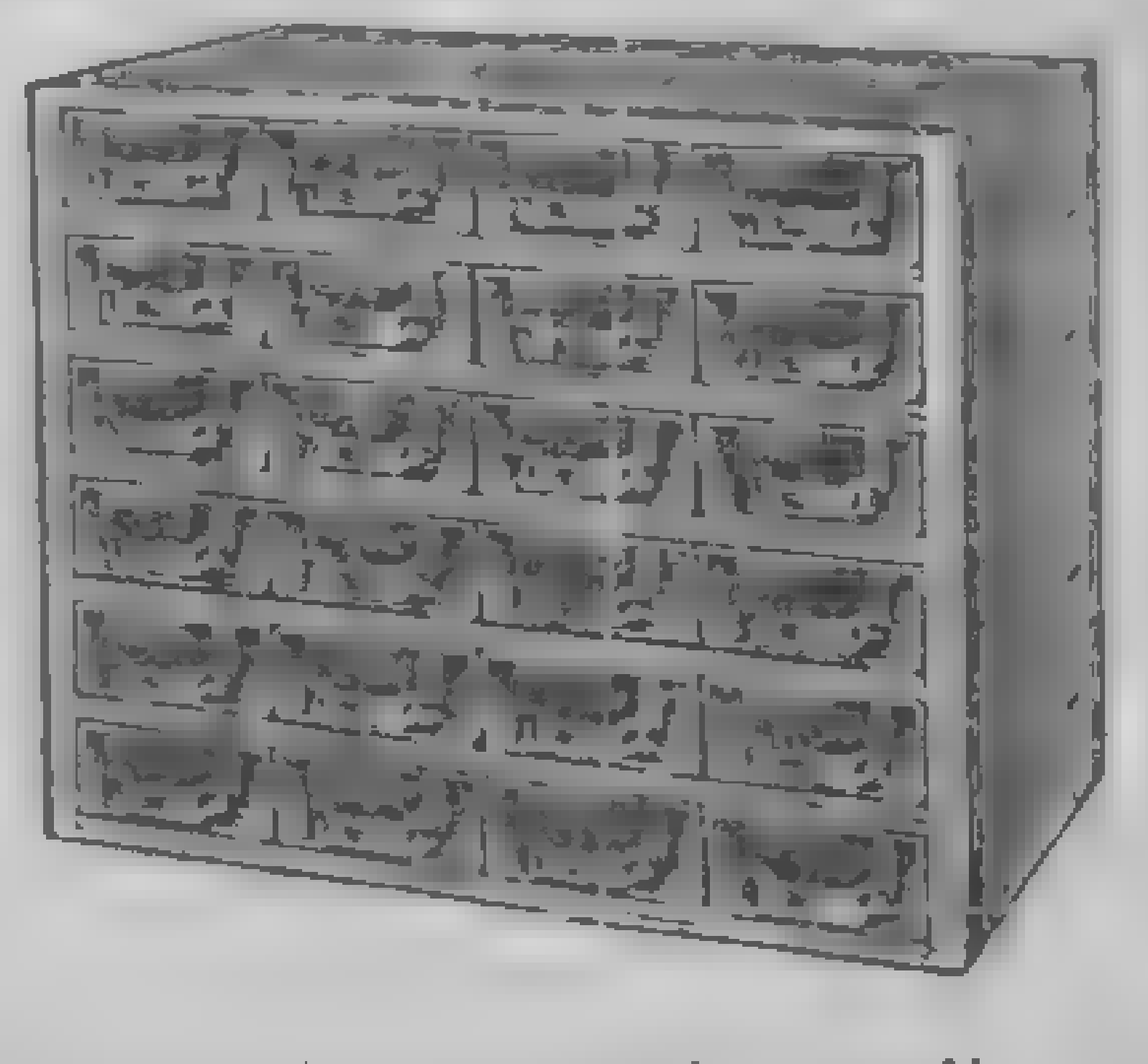
Convenient cabinets for storing small parts. Drawers are crystal-clear styrene, 1 7/16x2⅞x5⅞". Each drawer is divided into 4 compartments—can be divided further with dividers supplied. Drawer pulls out with full grip, centered handle. Safety catch prevents drawer spillage. Cabinet is of double-wall, heavy-gauge steel. All corners are completely rounded. Cabinet will stand on bench, stack together, or hang on wall. 4 ball feet are stamped into each cabinet base with matching depressions in top. Gray enamel finish.

Stock No.	Type	Drawers	H.W.D.	Lbs.	NET
86 NX 759	V-12	12	6x12½x6"	6	3.79
86 NX 767	V-24	24	10½x12½x6"	9	6.61
86 NX 773	V-32	32	14x12½x6"	12	8.49

HAMILTON UTILITY BOXES

Model 1501. Sturdily constructed, drawn-metal tool and general-utility box. Extremely compact and easy to carry—fits anyplace. Indispensable for the radio and TV serviceman, kit builder, experimenter, etc. Easily accommodates a soldering iron, screwdriver, pliers, wrenches, test leads, etc. Handy cantilever tray rises and slides aside when lid is raised for easy access to articles in bottom of box. Tray has 3 compartments: 1—2⅜x6", 1—1⅞x6", 1—9⅞x6". Compartments are extremely handy for the storage of hardware, resistors, capacitors, screws, etc. Case has snap-type lock with eye for padlock. Folding, fingertip handle is securely attached to cover. An excellent value at a remarkably low price. In green baked enamel. Overall size, 4½x6¼x14½". Shpg. wt., 3 lbs.
86 N 156. NET........................1.50

UNION "STACKMASTER" CABINETS



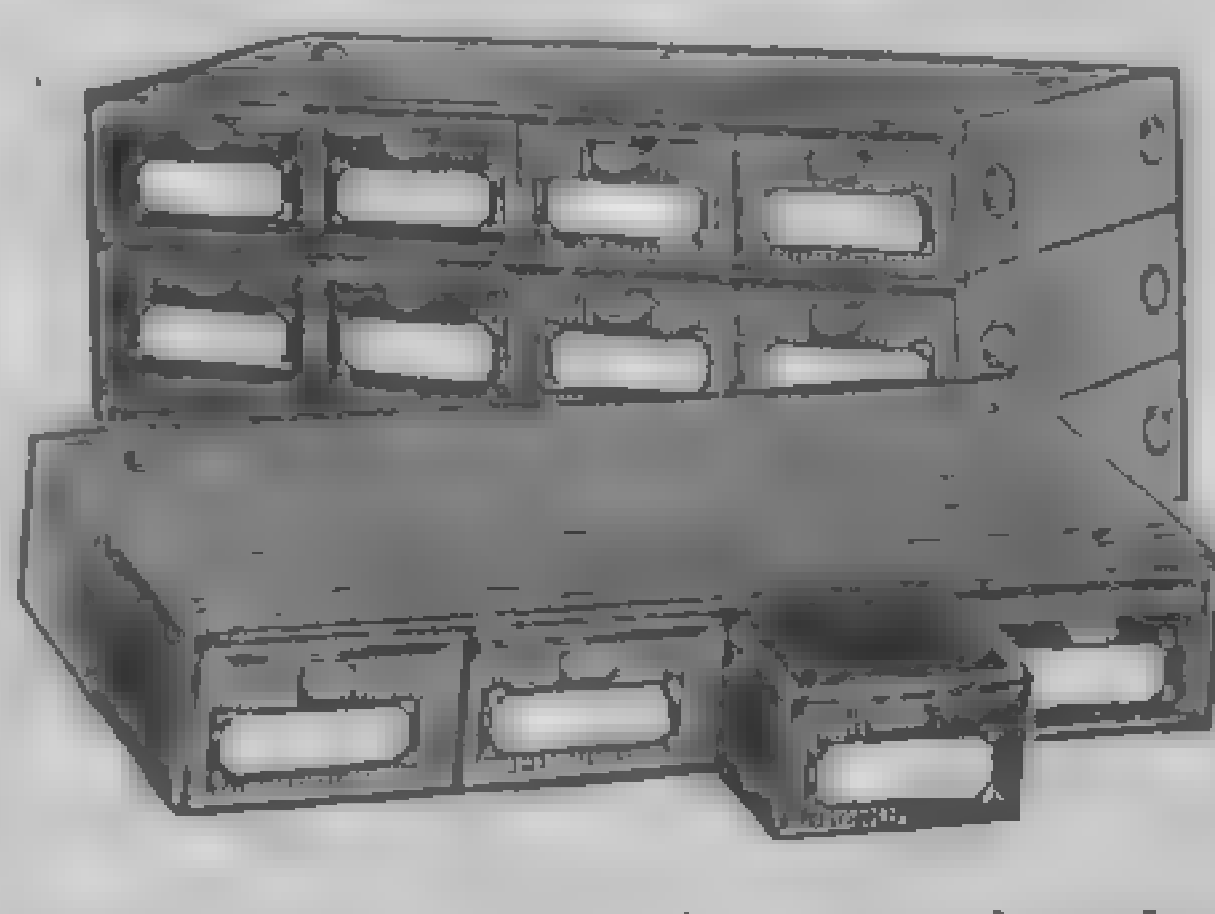
Ideal for the home workshop, radio and TV service shops, factory, office, etc. Convenient "Lok-Tabs" enable cabinets to be stacked in any direction. Cabinets can be quickly and easily detached from one another. as additions are made. Frames are of heavy-gauge welded steel. Clear, all-plastic drawers have built-in index cardholder and removable partitions. Safety-stops prevent accidental spilling. All drawers are 5½" long, 2¾" wide, 1¼" deep. In silver Dentone baked enamel.

Model U-24. 24-drawer cabinet. Size, 11x6x12½". Shpg. wt., 9 lbs.
86 NX 783. NET........................6.22

Model U-12. 12-drawer cabinet. Size, 5¾x6x12½". Shpg. wt., 6 lbs.
86 N 784. NET........................3.70

Model U-18. 18-drawer cabinet. 11x6x12½". 6 middle drawers, 5½" wide; 12 side drawers, 2¾" wide (6 ea. side). Wt., 9 lbs.
86 NX 158. NET........................6.22

"QUA-DROR" STORAGE CABINET



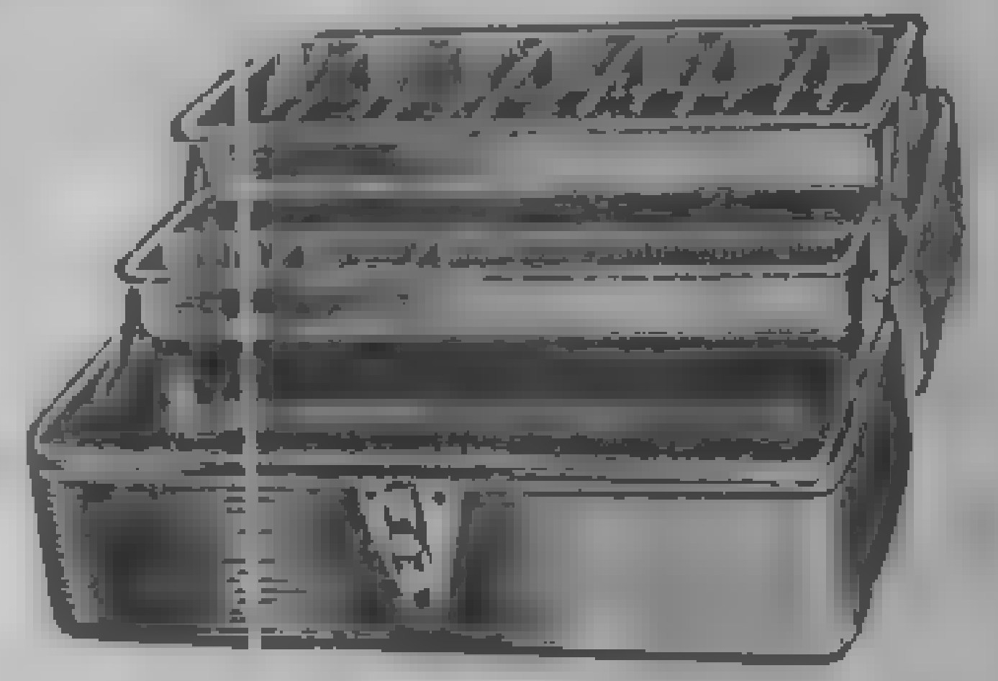
Compact, four-drawer, three-way interlocking cabinets. The ideal solution for storage of small parts, tools, etc. Perfect for limited-space applications. For the radio and TV serviceman, mechanic, hobbyist, etc. Each cabinet is a complete unit with four, individual, one-piece drawers. Cabinets can be stacked vertically or horizontally and locked together. For stacking on workbench or table.

Frames have countersunk locking devices on top and both ends. Each drawer has metal snap-in separators for up to four individual compartments. Separators will not shift or slide—each is completely rigid. Drawers have folded, reinforced corners with strong tubular and folded sides.

Safety stops prevent spilling. Individual drawer size, 1 7/16x2¾x5⅛"; cabinet, 1¾x11½x6". Gray finish. Shpg. wt., 1½ lbs.
86 N 781. NET EACH............ 1.42

UNION UTILITY BOXES

WATERTIGHT TOOL BOX

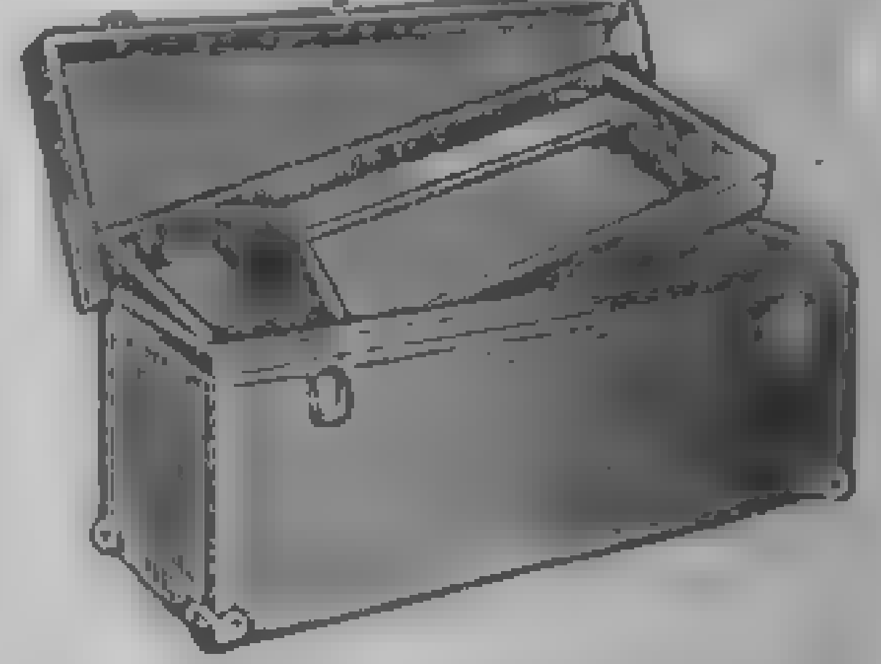


Perfect For Radio and TV Servicing Technicians

Type 6414. A ruggedly constructed, watertight utility chest with two cantilever-mounted trays. Extra-large tray capacity makes it ideal for storing tools or small parts. Upper tray is divided into seven compartments of equal size. Lower tray contains one full length, one ⅔ length and two smaller compartments. Full grip steel handle. Green enamel finish. Overall size, 7x7¼x14½". Shpg. wt., 5 lbs.
86 NX 045. NET........................3.16

Type 6419. As above, but longer. 9 sections in upper tray; 6 in lower. Both sides latch. 7x7¼x19". Shpg. wt., 7 lbs.
86 NX 154. NET........................4.45

"SUPER STEEL" TOOL CHESTS

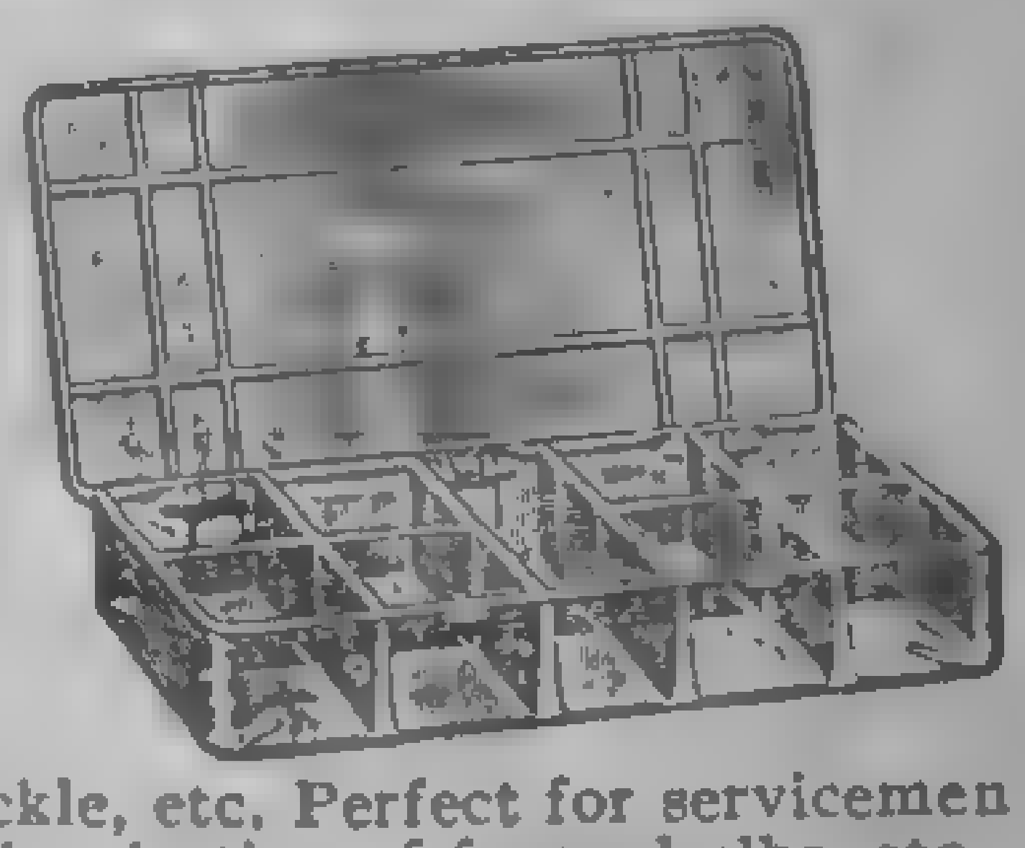


Carefully Balanced For Easiest Carrying—Handy Removable Tray

Type 6119. Sturdy steel chest with removable tray. Has two heavy-duty drawbolts plus center padlock eye. Continuous hinge welded to cover and case. Beautifully balanced and easy to carry. Easily accommodates commonly-used tools—soldering iron, screwdriver, pliers, etc. Has ruggedly designed steel handle. Has blue, hard-baked enamel interior; silver-gray Hammertone exterior. Size (HWD), 7x19x17". Shpg. wt., 7 lbs.
86 NX 017. NET........................5.14

Type 6116. As above, but smaller. Overall size (HWD), 6x16x6". Shpg. wt., 6½ lbs.
86 NX 018. NET........................4.89

VLCHEK PLASTIC BOXES



Sturdy, clear plastic, hinged-top storage boxes. Divided types are ideal for keeping parts separated. Excellent for storing resistors, capacitors, screws, small household articles, fishing tackle, etc. Perfect for servicemen—permits quick selection of fuses, bulbs, etc., while on a service call. Type P250 has removable cover.

Type P250. One compartment. Size, 6¼x4x1⅝". Shpg. wt., 6 oz.
44 N 362. NET........................38c

Type P221. Four 2¼x1⅜" compartments. Size, 4½x2¾x1". Shpg. wt., 4 oz.
44 N 363. NET........................22c

Type P212. Five compartments. 4 are 1½x2⅜" plus 1½x3 3/16" center compartment. Overall size, 7⅛x3¾x1⅜". Shpg. wt., 8 oz.
44 N 356. NET........................37c

Type P203. Six 1¼x4⅛" compartments. Size, 8⅜x4½x1⅜". Shpg. wt., 12 oz.
44 N 357. NET........................51c

Type P210. Nine compartments. 8 are 1¼x1½". Center compartment, 1x3 3/16". Overall size, 7⅛x3¾x1⅜". Shpg. wt., 8 oz.
44 N 355. NET........................37c

Type P201. Twelve compartments. Has four 2x1¼" compartments: two 1¼x4"; six 1¼x1¼". Overall size, 8⅜x4½x1⅜". 12 oz.
44 N 358. NET........................51c

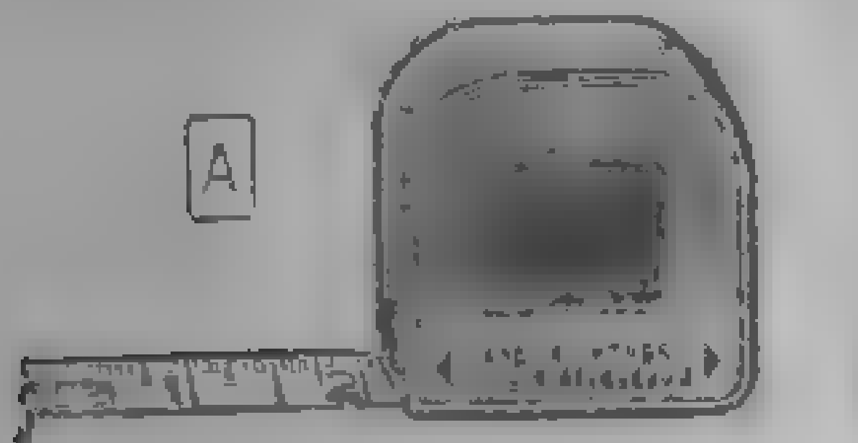
Type P612. Twelve compartments. Has six 1 11/16x2"; six 1 11/16x4¼". Overall size, 11x6¾x1⅜". Shpg. wt., 1¼ lbs.
44 N 354. NET........................1.22

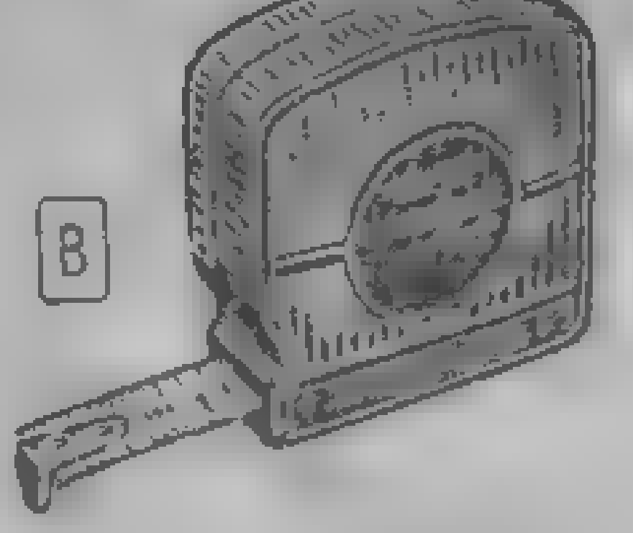
Type P200. Eighteen 1¼" square compartments. 8⅜x4½x1⅜". Shpg. wt., 8 oz.
44 N 366. NET........................51c

Type P618. Eighteen 1 11/16x2" compartments. 11x6⅛x1⅝". Shpg. wt., 1¼ lbs.
44 N 367. NET........................1.28

Measuring Tools, Slide Rules, Labeling Tape

LUFKIN TAPE RULES


A


B

WHITE CLAD "MEZURALL" TAPE RULES

A White clad ½-in. "Mezurall" steel tape-rules. Practical, all purpose tape rules for construction and general home use. Easy-to-read jet black markings against a durable, snow white background on bonderized, tempered steel blade. Self-adjusting end hook for accurate butt end and hook-over measurements. Marked on both edges, one side. First 12 inches of upper edge graduated to 32nds; balance to 16ths.

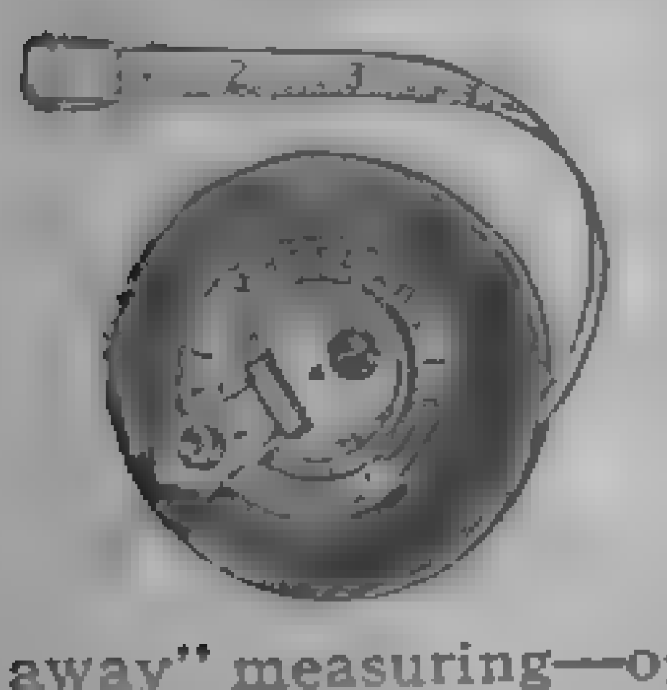
Stock No.	Type	Feet	Oz.	List	NET
50 N 175	W926	6	4	$1.19	.80
50 N 176	W928	8	5	1.39	.93
50 N 177	W9210	10	6	1.69	1.13
50 N 178	W9212	12	7½	1.98	1.32

"MEZURMATIC" TAPE RULES

Quality tape rules with touch control blades, ball bearing rewind governors, heavy-duty end hooks, and non-slip design cases. Have jet black foot and inch graduations to 16ths of an inch on both edges; first 12 inches are graduated to 32nds on one edge. Have snow white background, except *satin chrome-plated.

Stock No.	Type	Feet	Oz.	List	NET
50 N 179	W728	8	7	$1.69	1.13
50 N 180	W7210	10	7½	1.98	1.33
50 N 181	W7212	12	8	2.29	1.53
50 N 182	C728*	8	7	2.40	1.60
50 N 183	C7210*	10	7½	2.70	1.80

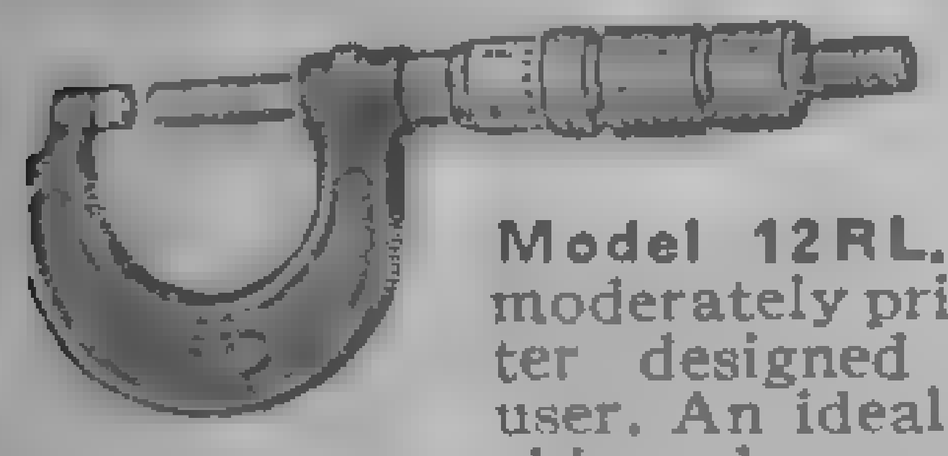
BANNER WHITE-CLAD TAPES



⅜" wide steel tapes featuring durable construction and accurate, highly legible markings. Have easy-to-read jet black figures and graduations on a snow white background. Hard, triple-baked finish is easy to keep clean, extra mar-proof. Hook ring on free end for "walk-away" measuring—one person can measure unassisted. Folding flush handle is opened by push pin. Durable, vinyl covered, steel case.

Stock No.	Type	Ft.	Lbs.	List	NET
50 N 184	HW223	50	1	$5.49	3.67
50 N 185	HW226	100	2	7.49	5.00

CENTRAL 1" PRECISION MICROMETER



- Positive Lock
- Easy to Read

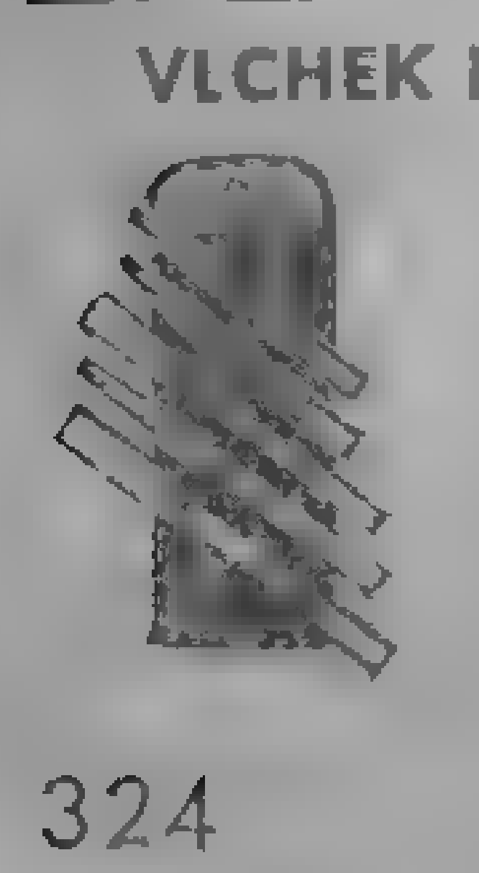
Model 12RL. A high-quality, moderately priced 0-1" micrometer designed for the critical user. An ideal tool for the machine shop, auto shop or the hobbyist. Spindle has ratchet that adjusts to any touch for accurate measurements. Extra space between large graduations for easy, accurate readings. Has precision ground and highly polished spindle and anvil. Black steel frame and knurled, chromium plated thimble. Can be locked at any setting. Pre-adjusted with gauge blocks. Wt., 8 oz.
50 N 060. List, $14.00. **NET**..........10.95

HANSON ECONOMY 1" MICROMETER

Pre-Tested and Adjusted

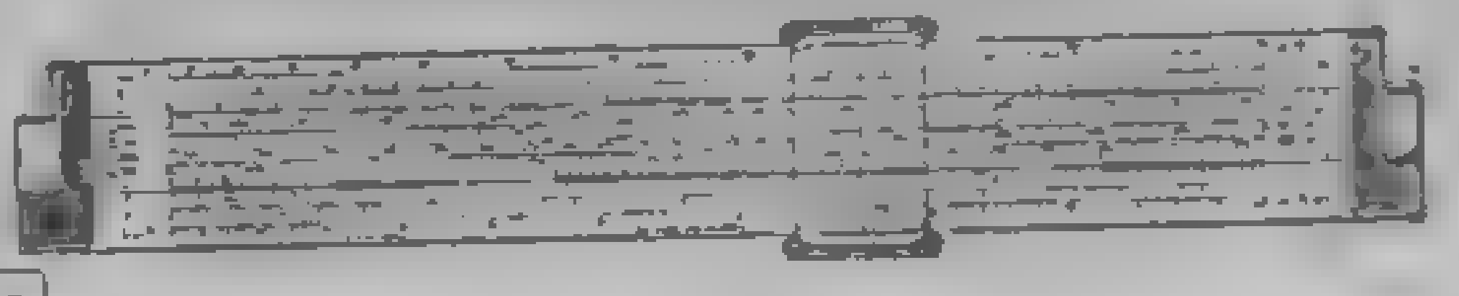
Precision-made micrometer. Has full-range accuracy of .0005". Carefully designed to assure minimum frame distortion. Employs smooth-operating, screw-type anvil to permit simplified zero adjustment. Includes spring-friction stop for improved accuracy. Frame, thimble and ratchet are fully chrome-plated to inhibit rust. Each micrometer factory adjusted. Shpg. wt., 7 oz.
46 N 249. NET..................3.37

VLCHEK PUNCH AND CHISEL SET



Type 3256. Excellent low-cost set. Forged from high carbon tool steel. Set contains ½" and ⅝" edge chisels, ⅛" and ¼" solid punches and ⅛" center punch. Bright plated. Set is supplied in clear face plastic pouch. Shpg. wt., ¾ lb.
50 N 125. NET..........1.32

DIETZGEN SLIDE RULES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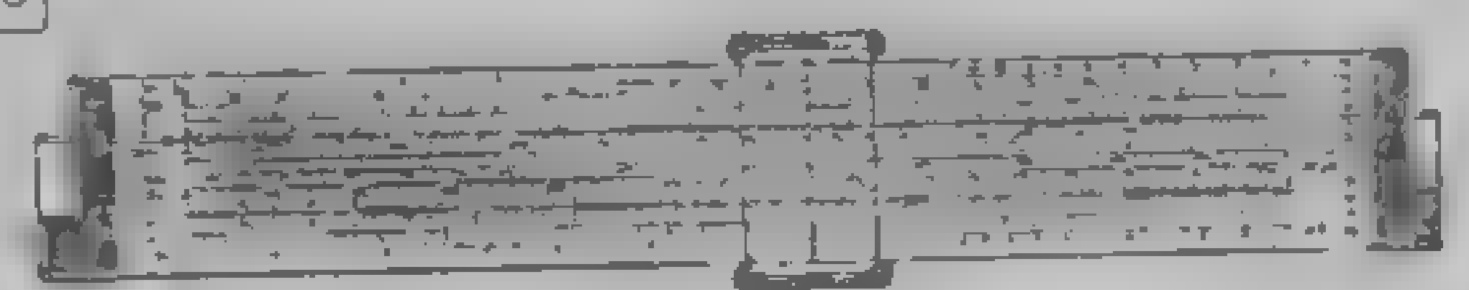
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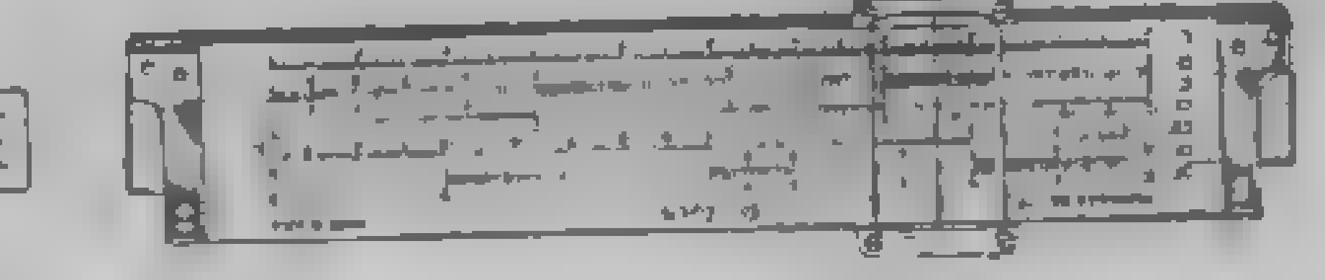

E

C **Model 1734L Decimal Trig Type Log Log.** Precision-made 10" slide rule features exclusive "Microglide" action. Slide rides on grooves of "Teflon" for reduced friction—permits making smooth, effortless settings. Scales on one side: LL02, LL03, DF, CF, CIF, L, CI, C, D, LL3, LL2. Other side: LL01, K, A, B, T<45, T>45, ST, S, D, DI, LL1. The S, ST, and T scales are divided to read degrees and decimals of degree. Supplied complete with genuine leather case and easy-to-understand instruction booklets. Shpg. wt., 1¼ lb.
50 N 435. List, $26.50. **1-5, EA.**..22.53
6-Up, EACH..........21.21

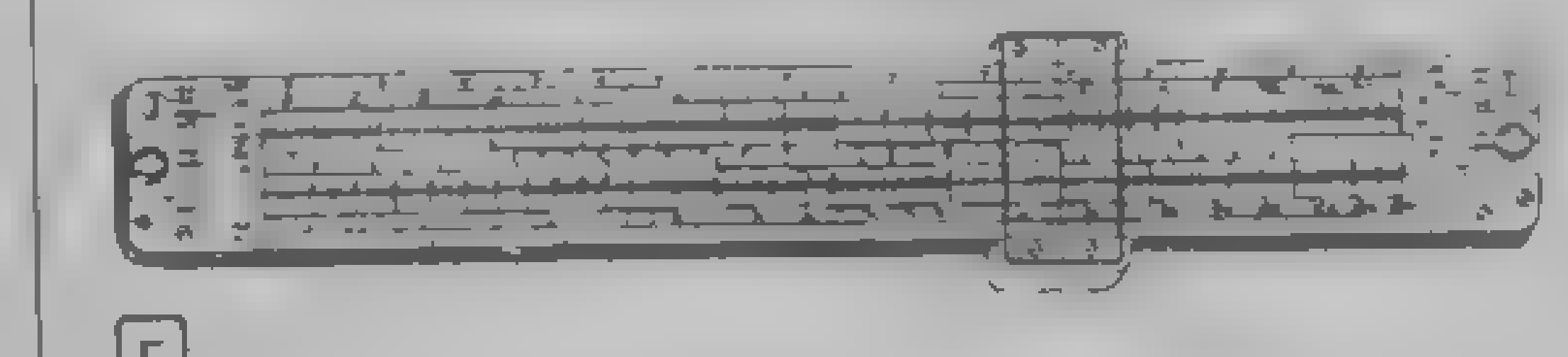
Model 1734. Same slide rule as Model 1734L described above, but supplied with handsome simulated leather case. Shpg. wt., 1¼ lbs.
50 N 436. List, $23.50. **1-5, EA.**......19.98
6-Up, EACH......................18.80

D **Model N1725L Vector Type Log Log.** Accurate slide rule with smooth-working "Microglide" action. Includes all scales found on Model 1734L rule above, plus Hyperbolic Sine and Tangent scales (Sh1, Sh2, Th) which are particularly useful in solving electrical engineering and physics problems. With genuine leather case and easy-to-understand instruction book. Shpg. wt., 1¼ lbs.
50 N 437. List, $28.50. **1-5, EA.**....24.23
6-Up, EACH..........22.80

Model N1725. Same slide rule as described above, but supplied with simulated leather case. Shpg. wt., 1¼ lbs.
50 N 438. List, $25.50. **1-5, EA.**......21.68
6-Up, EACH......................20.40

E **Model 1776 Pocket Slide Rule.** Handy 5" rule can be used to solve almost any engineering or scientific problem. Scales on one side: DF, CF, CIF, CI, C, D, L. Other side: K, A, B, T, ST, S, D, DI. Supplied with all-leather case with pocket clip, and instruction booklet. Shpg. wt., 5 oz.
50 N 439. List, $6.45. **1-5, EA.**.......5.50
6-Up, EACH......................5.17

ACU-MATH SLIDE RULES

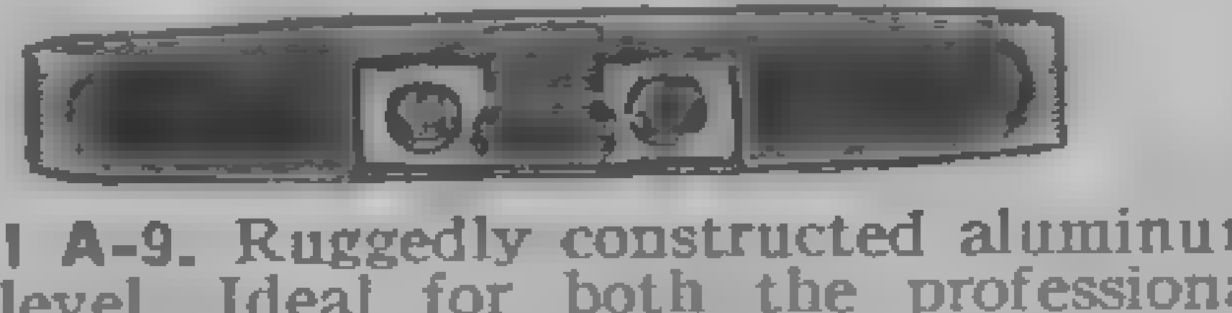

F

G

F **Model 1311 Professional 10" Slide Rule.** Easy-to-read, high-quality 10" slide rule. Features include: white vinyl plastic sheet face; lucite cursor; inlaid calibrations and numerals; Trig and Log Log numerals in red. Scales on one side: LL01, L, K, A, B, T, ST, S, D and LL1. Other side: LL02, LL03, DF, CIF, CI, C, D, LL3, and LL2. With leather sheath and instructions. Shpg. wt., 1 lb.
46 N 333. List, $13.95. **NET**.........9.95

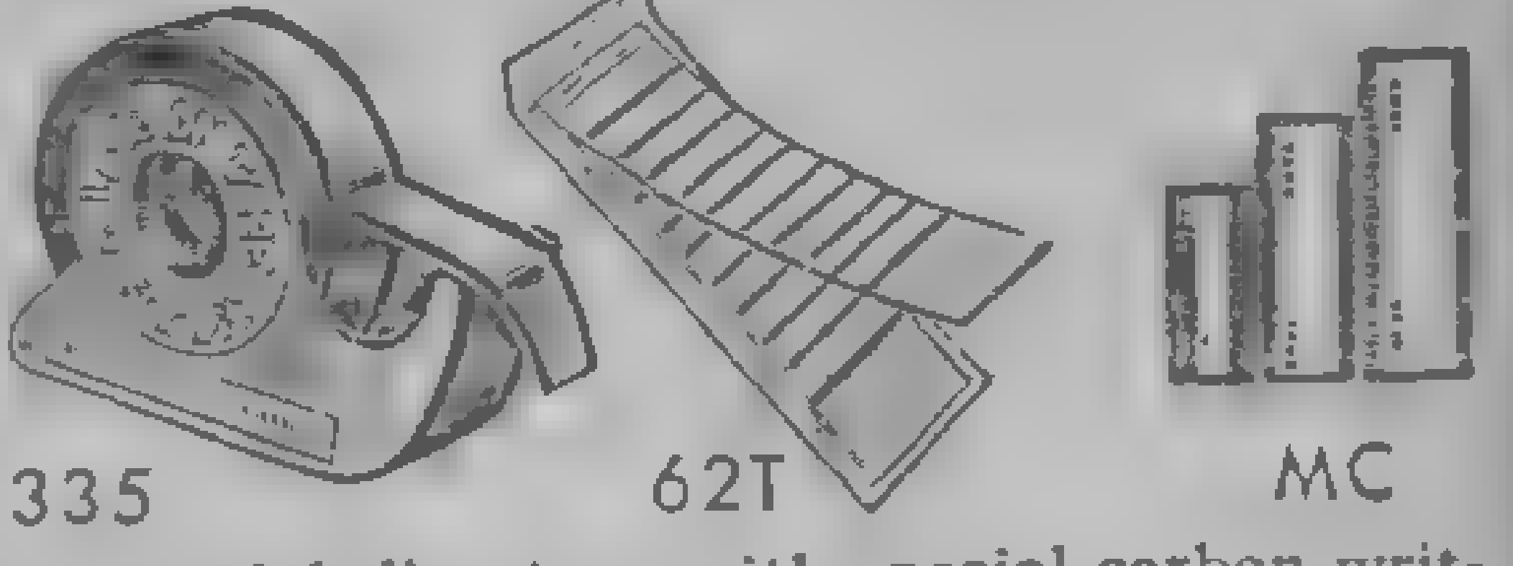
G **Model 1211 5" Pocket Slide Rule.** Precision-made, easily readable pocket slide rule. Same features as the Model 1311 above, but with fewer scales. Scales on one side: K, A, B, CI, C, D and L; S and T on other. Fluid-action slide assembly; clear lucite cursor. With leather sheath and easy-to-follow instruction book. Shpg. wt., 5 oz.
46 N 332. List, $3.95. **NET**..........2.99

EXACT ALUMINUM "HANDYLEVEL"



Model A-9. Ruggedly constructed aluminum type level. Ideal for both the professional craftsman and the home hobbyist. 3 indicator vials for vertical, horizontal, and 45° use. Grooved base aligns level on cylindrical surfaces. With heavy-gauge protective carrying pouch. 9x1³⁄₁₆x¾". Shpg. wt., 8 oz.
50 N 440. NET..........1.49

LABELON "WRITE-ON-IT" TAPE



Plastic labeling tape with special carbon writing surface sandwiched between 2 layers of acetate. Writing stays legible; surface is protected by plastic. Resists dirt, water, oil, etc. Sticks firmly to any surface without moistening. Border color, color in which writing appears—*black, †red, §blue. Av. shpg. wt., per 400-in. roll, 5 oz.

Stock No.	Mfr's Type	Width	1-11, EACH	12-23, EACH	24 or More, EACH
52 N 772	315*	5/16	1.52	1.39	1.31
52 N 751	335†	5/16	1.52	1.39	1.31
52 N 753	415*	½"	1.71	1.57	1.48
52 N 754	425§	½"	1.71	1.57	1.48
52 N 755	435†	½"	1.71	1.57	1.48
52 N 757	515*	⅝"	1.91	1.75	1.65
52 N 773	525§	⅝"	1.91	1.75	1.65
52 N 774	535†	⅝"	1.91	1.75	1.65
52 N 761	615*	¾"	2.11	1.93	1.82

TABLETS FOR TYPEWRITER USE

Each has 45, 3-inch strips. Write black; colors given are borders. Av. wt., 5 oz.

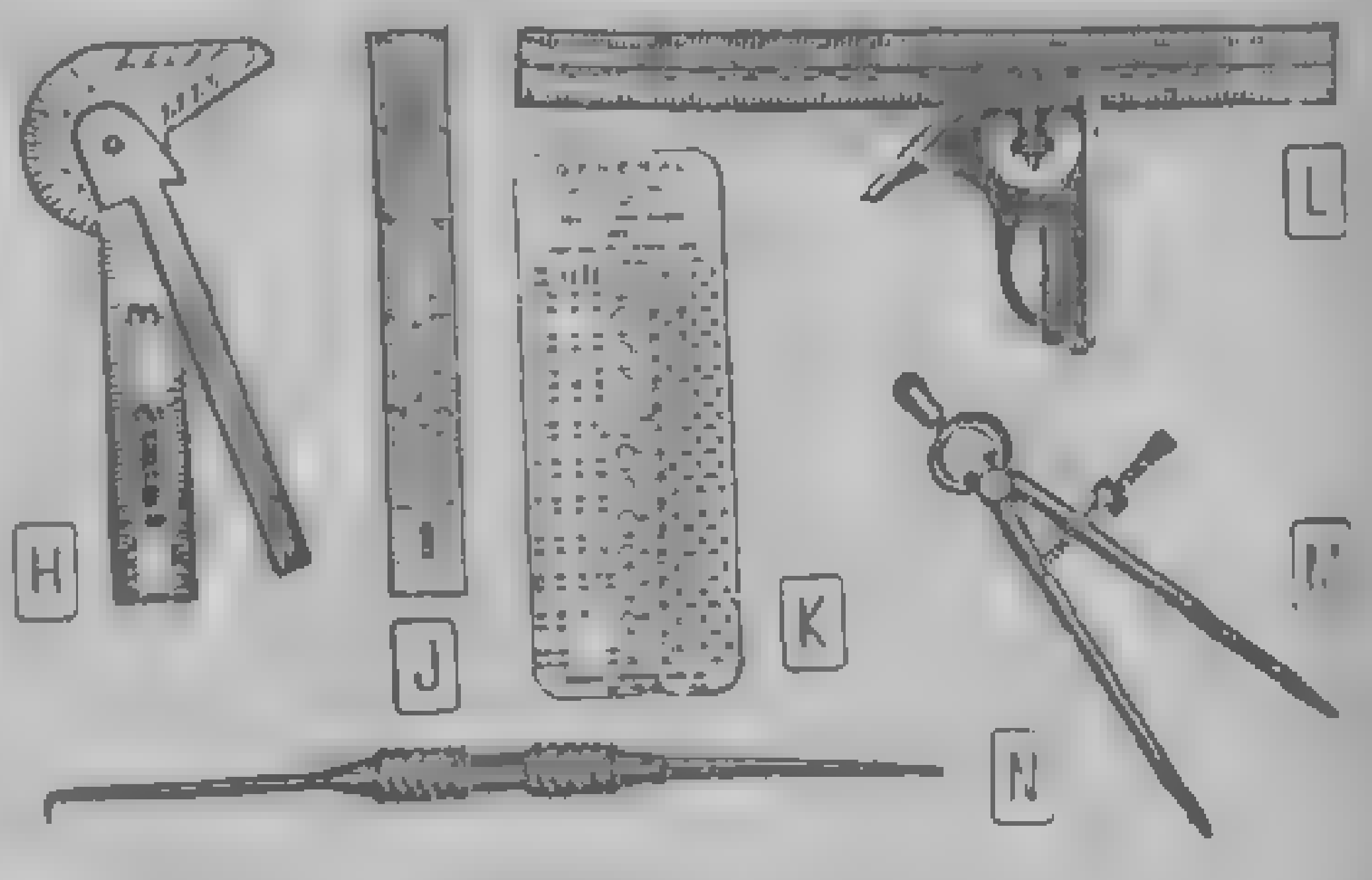
Stock No.	Type	Width	Color	NET EA.
52 N 775	62T	¾"	Blue	98c
52 N 776	63T	¾"	Red	
52 N 777	64T	¾"	Green	

MC "LABELON" LABELS. Self-sticking Mylar-covered labels. For outdoor or permanent indoor use. Writing surface accepts ink, pencil, or typing. Designed to resist effects of rain, dirt, grease, heat, acids. Withstands temperatures of —100 to 300° F. Wt., 2 oz. per box.

Size	Mfr's Type	No. Per Box	Stock No.		
			Black	Red	Blue
½x3"	MC44	56	50 N 361	50 N 362	50 N 363
⅝x1½"	MC53	100	50 N 364	50 N 365	50 N 366
¾x2"	MC61	66	50 N 367	50 N 368	50 N 369
1x2½"	MC82	40	50 N 370	50 N 371	50 N 372

1-11 Boxes, PER BOX..............1.22
12-23, PER BOX, 1.16 24-Up, PER BOX 1.10

CHASSIS LAYOUT TOOLS



H **Multi-purpose Steel Rule.** Can be used as 4" scale in 32nds and 64ths, drill point gauge, square, bevel protractor, center finder, circle divider, tap-drill table. Made of stainless steel. In leather case. Shpg. wt., 4 oz.
46 N 153. NET......................1.34

J **6" Steel Rule and Wire Gauge.** Stainless steel. Graduated in 32nds and 64ths, also B. & S. wire gauge. Has decimal equivalents. Identifies No. 8 to 20 wire. 2 oz.
46 N 061. NET......................44c

K **Drill and Steel-Wire Gauge.** Gauges machine screw taps, 1 to 60. Shows decimal equivalents. Lists taps with tap-drill and body-drill sizes, ¼-28 to 2-56. Heavy-gauge steel, hardened and tempered. 5 oz.
46 N 060. NET......................1.39

L **Combination Steel Rule.** 12" etched-steel combination square. Graduated in 8ths and 16ths on one side, 16ths and 32nds on the other. Head locks on 1" blade. Scriber in head. Shpg. wt., 1¾ lbs.
50 N 308. NET......................84c

M **Steel Dividers.** Stiff tempered, bow spring and tapered fulcrum spoon to assure rigidity and accurate measuring. Needle points are replaceable. Split adjusting nut. Length, 6". Shpg. wt., 6 oz.
46 N 089. NET......................2.74

N **9" Scriber.** Two-point machinists' scriber with knurled finger-hold. Wt., 3 oz.
50 N 309. NET......................44c

12" Stainless Steel Bench Rule. (Not illustrated.) Has two sides graduated in 8ths, 16ths, 32nds, and 64ths. ⅞" wide. Shpg. wt., 2 oz.
46 N 088. NET......................75c

G-C Paints & Chemicals

"SPRA-KOAT" PAINTS

Wrinkle Varnish. Can be air-dried or baked—gives a wrinkle finish comparable to professional oven-baked jobs either way. Perfect for chassis, panels and racks. Makes composition board and Bakelite panels look like wrinkle-finish steel panels. Same finish as that employed by manufacturers in P.A. equipment, transmitters. 16 fl. oz. In convenient spray can. Wt., 1¼ lbs.

Stock No.	Mfr's Type	Color	NET EACH 1-5	NET EACH 6-Up
43 N 028 43 N 029	60-12 60-13	Black Gray	1.80	1.71

Telephone Black and Gray. A satin-finish enamel. Telephone black is perfect for power control and meter panels. Telephone gray gives professional appearance to test equipment, etc. Dries quickly after spraying. Provides moisture resistance. For wood or metal. 16 fl. oz. Shpg. wt., 1¼ lbs.

Stock No.	Mfr's Type	Color	NET EACH 1-5	NET EACH 6-Up
43 N 033 43 N 034	62-12 62-13	Black Gray	1.80	1.71

Hammer Finish. For applying professional hammer finish to panels, racks, chassis and instrument cases. Protects metal from moisture. Perfect for refinishing scratched and scarred metal surfaces. Air-dries quickly. 16 fl. oz. Shpg. wt., 1¼ lbs.

Stock No.	Mfr's Type	Color	NET EACH 1-5	NET EACH 6-Up
43 N 035 43 N 036 43 N 037	83-12 84-12 85-12	Brown Blue Silver	1.80	1.71

"ZERO-MIST" SPRAY

Type 8667. Permits instant location of circuit components that are intermittent with temperature changes. Merely spray suspected components and junctions one at a time with "Zero-Mist"—cools immediately. Quickly pinpoints faulty capacitors, resistors, transistors, cold solder and oxidized junctions—any circuit unit that fails with a temperature variation. 16 fl. oz. Shpg. wt., 1½ lbs.
50 N 099. NET.......................... 2.13

"SPRA-KLEEN" CONTACT CLEANER

Type 8666. Efficient cleaner for electrical contacts—cleaner is simply sprayed on contacts or control and mechanism is worked a few times. 6 fl. oz. Shpg. wt., 10 oz.
43 N 025. NET.................... 97c

NO. 60 "RUF-KOAT" VARNISH

Air-drying wrinkle varnish for amplifiers, test equipment, chassis, etc. Gives a professional-looking appearance—same type as used by original manufacturers. Can be air-dried or baked.

Black	Brown	Gray	Size	Lbs.	NET
43 N 480	43 N 481	43 N 482	4 fl. oz.	½	.82
43 N 483	43 N 484	43 N 485	16 fl. oz.	2¼	2.20
43 N 486	43 N 487	43 N 488	32 fl. oz.	6	3.23

SILICONE RESIN SPRAY

No. 14. Use this clear, silicone resin spray after repairing or replacing parts in printed circuits. Forms a protective coating which prevents shorts and arcing. Insulates, waterproofs and provides barrier against dust. Application is simple—pressing of button at top of can releases the spray. Used by manufacturers to assure dependable performance of printed circuits. Dries rapidly and requires no baking. Spray can. Contents, 6 fl.oz. Shpg. wt., 10 oz.
43 N 027. NET.................... 2.13

PRINTED CIRCUIT PAINT

No. 21 Silver Print. The same pure silver compound used by manufacturers in printed circuit designs. Use it to repair all printed circuits and to touch up circuits around eyelets, rivets, and other parts. Handy for servicemen, experimenters and engineers. Brush-in-cap. 1 Troy oz. Shpg. wt., 4 oz.
43 N 159 List, $7.75. **NET**.......... 4.56

No. 20 Copper Print. As above, but copper. 2 fl. oz. Wt., 4 oz.
43 N 079. List, $2.00. **NET**............ 1.18

RADIO-TV SERVICING CHEMICALS

An extensive listing of switch contact cleaners, control lubricants, solvents, cements, liquid insulation, and various other chemicals for simplifying and speeding up servicing of radios, TV sets, record changers and turntables, tape recorders, and other electronic equipment. Available in sizes to meet the requirements of any serviceshop.

LUBRICANTS

Stock No.	Mfr's Type	Size	Shpg. Wt.	Description	NET EACH
43 N 046	65	16 oz.	1¼ lbs.	Control cleaner and lubricant	1.91
47 N 038	1206	2 oz.	3 oz.	Lube-Rex cleaner in tube	.44
47 N 039	1213	1 oz.	2 oz.	Contact Dope in tube	.29
47 N 040	1223	2 oz.	3 oz.	"Sta-Put" Phono Lubricant	.53
47 N 042	8383	2 oz.	4 oz.	Cap Needle Injector w/bottle	.47
47 N 041	9402	¾ oz.	2 oz.	Radio-TV oil; vial dispenser	.38

CEMENTS AND THINNERS

Stock No.	Mfr's Type	Size	Shpg. Wt.	Description	NET EACH
43 N 456	30	2 oz.	6 oz.	Radio and Speaker Service Cement	.47
43 N 166	30	8 oz.	1¼ lbs.	Radio and Speaker Service Cement	1.23
43 N 156	30	16 oz.	2¼ lbs.	Radio and Speaker Service Cement	2.15
43 N 451	31	2 oz.	5 oz.	Radio Service Solvent	.44
43 N 163	31	8 oz.	1¼ lbs.	Radio Service Solvent	.79
43 N 452	31	1 gal.	10 lbs.	Radio Service Solvent	4.70
43 N 296	32	2 oz.	6 oz.	Bakelite Cement	.47
47 N 043	32-2A	2 oz.	6 oz.	All-Purpose Plastic Cement	.47
43 N 465	35	2 oz.	6 oz.	Rubber-to-Metal and Phono Drive Cement	.47
43 N 466	35	4 oz.	½ lb.	Rubber-to-Metal and Phono Drive Cement	.71
43 N 467	35	16 oz.	2¼ lbs.	Rubber-to-Metal and Phono Drive Cement	2.15
43 N 210	43	2 oz.	6 oz.	"Pli O Bond" Plastic Cement	.47
43 N 211	43	8 oz.	1¼ lbs.	"Pli O Bond" Plastic Cement	1.23
43 N 450	43	1 gal.	10 lbs.	"Pli O Bond" Plastic Cement	12.30

CLEANERS

Stock No.	Mfr's Type	Size	Shpg. Wt.	Description	NET EACH
43 N 479	10	1 gal.	10 lbs.	Non-Toxic "Electro-Tet" Cleaner	6.94
43 N 127	19	1 oz.	4 oz.	"De-Ox-Id" Contact Cleaner	.65
43 N 128	19	2 oz.	6 oz.	"De-Ox-Id" Contact Cleaner	.94
45 N 203	53	1 oz.	4 oz.	Recording Head Cleaner	.56
45 N 204	53	2 oz.	5 oz.	Recording Head Cleaner	.94
43 N 463	127	4 oz.	½ lb.	Contact and Crystal Cleaner	.65
43 N 464	127	16 oz.	2¼ lbs.	Contact and Crystal Cleaner	1.47
43 N 160	210	2 oz.	6 oz.	Electronics Contact Cleaner	.53
43 N 161	210	4 oz.	½ lb.	Electronics Contact Cleaner	.65
43 N 468	210	16 oz.	2¼ lbs.	Electronics Contact Cleaner	1.47
47 N 044	211	4 oz.	½ lb.	Carbon Tetra-Chloride	.53
43 N 453	8460	2 oz.	½ lb.	"De-Ox-Id" Kit—Contact Cleaner	1.38

MISCELLANEOUS CHEMICALS

Stock No.	Mfr's Type	Size	Shpg. Wt.	Description	NET EACH
43 N 472	37	2 oz.	6 oz.	"Q-Dope" (Coil Dope)	.47
43 N 473	37	8 oz.	1¼ lbs.	"Q-Dope" (Coil Dope)	1.18
43 N 471	37	1 gal.	10 lbs.	"Q-Dope" (Coil Dope)	10.58
43 N 469	41	2 oz.	6 oz.	"Q-Dope" Thinner	.44
43 N 145	47	2 oz.	6 oz.	TV High Voltage Corona Dope	.71
43 N 454	47	8 oz.	1¼ lbs.	TV High Voltage Corona Dope	2.29
47 N 045	47-12	16 oz.	2¼ lbs.	TV High Voltage Corona Dope	1.91
43 N 474	49	2 oz.	6 oz.	"TV Tube Koat" (recoats picture tubes)	.71
43 N 475	49	8 oz.	1¼ lbs.	"TV Tube Koat" (recoats picture tubes)	1.56
43 N 455	50	2 oz.	6 oz.	"Red-X" TV High Voltage Corona Dope	.71
47 N 046	56-2	2 oz.	6 oz.	Insulating and Dipping Varnish	.53
43 N 476	57	2 oz.	5 oz.	Fungus Varnish	.56
43 N 477	57	8 oz.	1¼ lbs,	Fungus Varnish	1.03
43 N 478	57	1 gal.	10 lbs.	Fungus Varnish	12.94
43 N 460	90	2 oz.	6 oz.	Red Glyptal Insulating Varnish	.56
43 N 461	90	8 oz.	1¼ lbs.	Red Glyptal Insulating Varnish	1.62
43 N 462	90	1 gal.	10 lbs.	Red Glyptal Insulating Varnish	11.76
47 N 047	95-8	8 oz.	1¼ lbs.	Creme-O-Wax Cabinet Polish	.59
47 N 048	1215	2 oz.	6 oz.	Liquid Non-Slip (drive cables, belts)	.47
47 N 049	9123	12 oz.	1¾ lbs.	Koloid K-29 Hi-Voltage Spra-Koat	1.62
43 N 009	Z5	1 oz.	2 oz.	Transistor Silicone Compound	1.47

PAINT AND REPAIR KITS

A

B

C

D

A **Type 901 Cabinet Repair Kit.** Includes everything needed for professional repairing of dents or scratches on wood, plastic, bakelite, metal. Assortment of 10 shades of shellac sticks, bottles of light and dark oil stain, metal shading varnish, polish, "Magic Scratch Remover," alcohol lamp, alcohol, spatula, touch-up brushes, steel wool, sandpaper and wiping cloth. In metal storage box. 3 lbs.
43 N 115. List, $9.75. **NET**.......... 5.73

B **Type 677 EIA Color Coding Kit.** Fast-drying lacquer enamels—all standard EIA colors: black, brown, red, orange, yellow, green, blue, purple, gray and white. Supplied with brushes. Shpg. wt., 1½ lbs.
43 N 112. List, $2.45. **NET** 1.44

C **Type 184-0 Luminous "Lite-Koat" Kit.** A long-life, non-poisonous coating that emits light in the dark. Powder, thinner, protective compound. Shpg. wt., 2¼ lbs.
43 N 111. List, $5.40. **NET**.......... 3.18

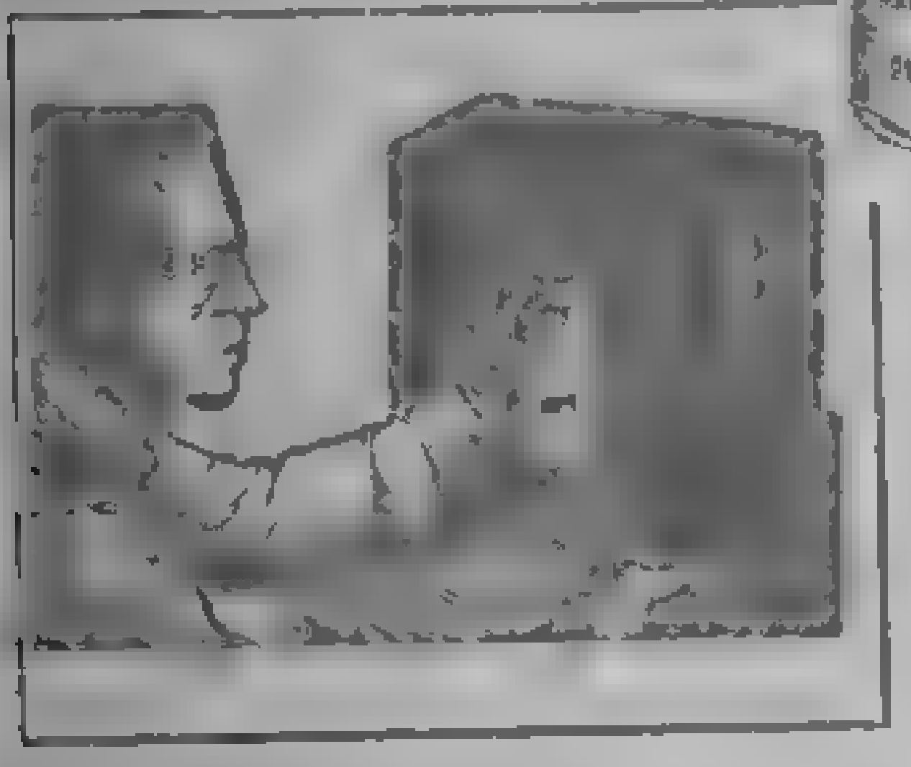
D **Type 66-5 "Dial-Lite" Coloring Kit.** For bulbs, dials—instant drying. Includes: red, green, blue, amber, solvent. Bulbs may be colored by dipping. Wt., 4 oz.
43 N 110. List, $1.85. **NET**........... 1.09

Scratch Sticks. For wood scratches. 5 oz.
43 N 113. Type 909-M. Mahogany.
43 N 368. Type 909-W. Walnut.
43 N 369. Type 909-I. Oak.
List, 80¢. **NET EACH**................. 47c

Chemicals, Paints, Tube Caddies

KRYLON PLASTIC AND ENAMEL SPRAYS

Saves time and money for radio-TV servicemen. Protects and preserves electronic equipment, for "touch-up" jobs.



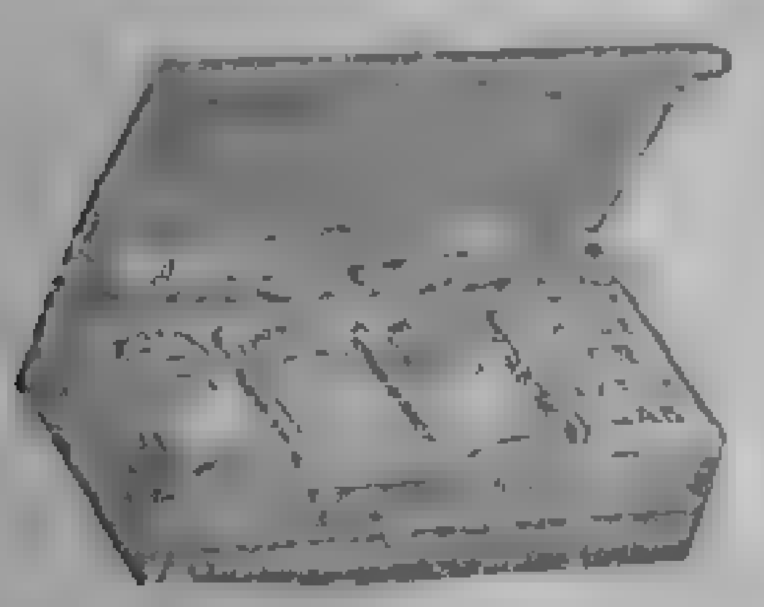
Handy spray cans of clear plastic or colored enamels for small area jobs in all workshops.

CLEAR PLASTIC SPRAY

Can sprays a crystal-clear acrylic that dries in minutes to form a hard, waterproof coating of high dielectric strength. Eliminates corona and arcing when sprayed on high voltage leads, coils, and connections. Ideal for use on high-voltage rectifier sockets, RF transformers, ignition wiring, etc. Dielectric strength: 400 volts per mil. Weatherproofs antennas and outside lead-in connections. Has many uses around shop and home, also on installation and service jobs. Comes in handy, ready-to-use, 16-oz. spray can. Wt., 1½ lbs.

43 N 133. 1-11, NET EACH........1.27
12 or More, EACH........1.17

RAPID "BRUSHPLATER"



For quick, easy electro-plating of small metal items such as hardware, trim, metal knobs, etc. Includes 1 oz. metal cleaner, 1 oz. metal polish, plating compound, ⅜" brush wires and clips, and polishing stick. Requires 2 or 3 No. 6, 1½-volt cells (see battery pages). Shpg. wt., 1 lb.

Stock No.	Mfr's Type	Plating Compound	NET EACH
43 N 080	200	Nickel	1.67
43 N 081	202	Cadmium	
43 N 082	204	Copper	
43 N 083	205	Brass	
43 N 084	206	Silver	2.66
43 N 085	207	24 K Gold	4.61

G-C CONTROL GUN

Type 9280. Handy device for cleaning and lubricating noisy volume controls. 7¼x¾". Less fluid. Shpg. wt., 8 oz.
43 N 045. List, $6.25. **NET**........3.75

43 N 062. Type 9282 Control Gun Adapter. For extra long shanks. 2 oz. List, 75c. **NET** 45¢

43 N 063. Type 9281 Control Gun Adapter. Converts 9280 Gun for special auto radio controls. 2 oz. List, 75c. **NET**........45¢

ENAMEL SPRAYS

Highly attractive, non-fading, enamel sprays. Excellent for both interior and exterior use. Handsome, durable finish in wide variety of colors. Dry in just 3 minutes. Non-clogging spray valve. 16-oz. can. Shpg. wt., 1¼ lbs.

No.	Color	No.	Color
43 N 134	Bright Silver	43 N 109	Bright Gold
43 N 064	Bright Copper	43 N 107	Hunter Green
43 N 059	Flat White	45 N 208	Surf Green
43 N 137	Glossy White	43 N 054	Chrome Yellow
45 N 206	Antique Ivory	43 N 384	Champion Blue
43 N 106	Flat Black	43 N 055	Regal Blue
43 N 138	Glossy Black	43 N 056	Cherry Red
43 N 053	Light Gray	43 N 044	O. D. Khaki
43 N 108	Machine Gray	43 N 043	Int'l Orange
45 N 207	Dove Gray	43 N 383	Brass

12 or More, EA..1.07 **1-11, NET EA.**..1.17

NEW "RUST MAGIC" PRIMER

Phenolic resin, anti-rust metal primer. Pierces existing rust and prevents further corrosion by locking out air and moisture. Forms tough union. Dries in 20 minutes. Cover with nearly any finish—lacquer, enamel, etc. 16-oz. aerosol spray-on can. Wt., 1½ lbs.

43 N 385. 1-11, NET EA.........1.17
12 or More, EA.........1.07

ZINC-CHROMATE PRIMERS

Metal primer dries rapidly to form a strong bond with metal. Resists peeling or cracking. Retards rust. Accepts finish coats readily. Ideal for prime coating metal gutters, towers, masts, etc. Comes in handy 16-oz. spray can. Choice of 2 colors. Shpg. wt., 1½ lbs.

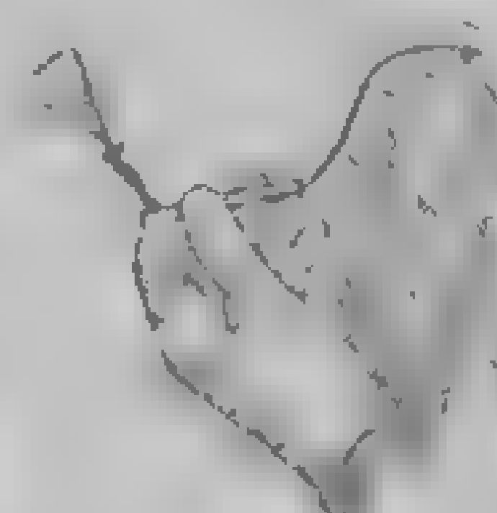
45 N 210. Yellow Primer. **NET**
45 N 211. Green Primer. **EACH**........1.27
12 or More, EACH........1.17

G-C GUN TYPE SPRAY CAN HANDLE

Inexpensive spray can handle attaches to any spray can—converts the can into a spray gun! Useful in home, shop or office for applying paints, service chemicals, cleaners, etc. Shpg. wt., 3 oz.

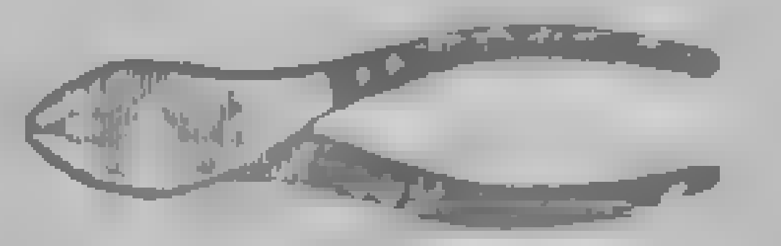
45 N 201. NET........88c

G-C SPRAY CAN EXTENSION



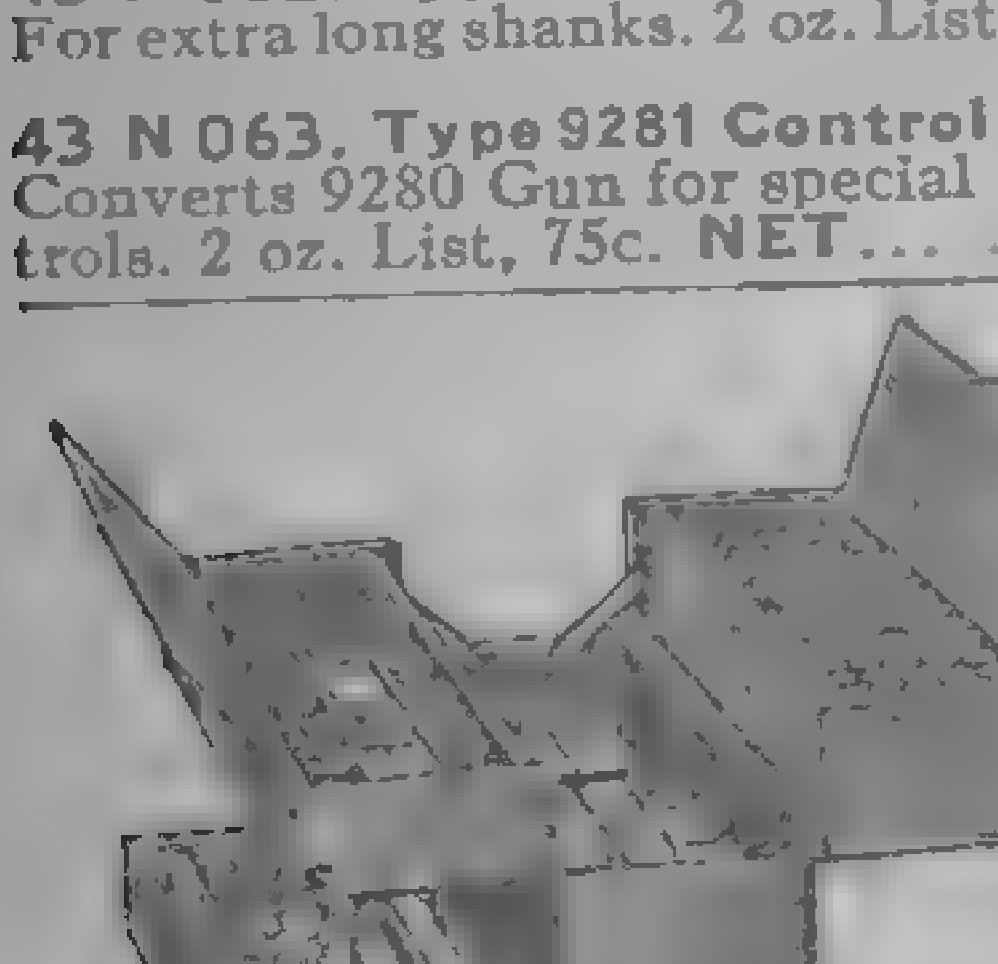
Spray can attachment for concentrating and directing spray. Ideal for cleaning controls and tuners without removing from chassis. End of 9" extension tubing will fit the nozzle of any spray can. Shpg. wt., 2 oz.
45 N 202. NET...88c

WALSCO PROTECTO-TUBE

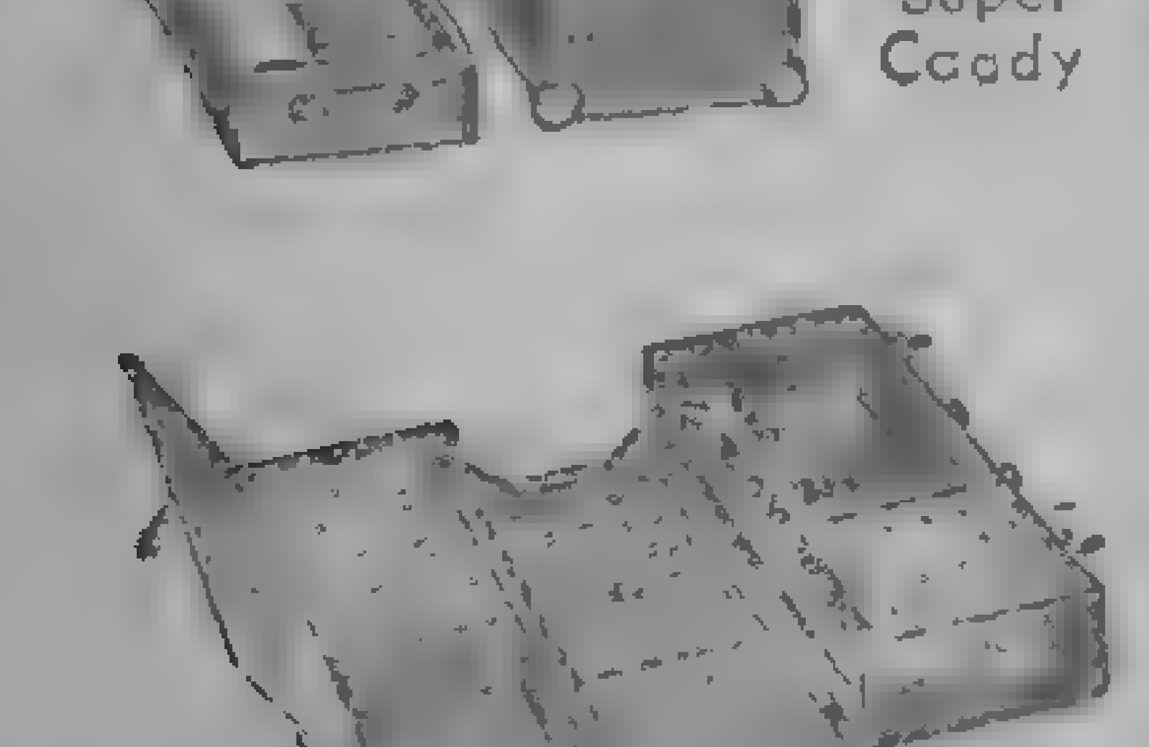


Type 18-K. Synthetic plastic high-voltage tubing for insulating the handles of pliers, screwdrivers, etc. Tubing is applied by treating with expanding solution which swells tubing for application to tool handles. Tubing then shrinks and remains firmly in place. Contains 12 ft. of tubing and expanding solution. Easy to apply. Shpg. wt., 12 oz.
43 N 132. NET........1.08

ARGOS TELEVISION TUBE CADDIES



Super Caddy



Carry-All Caddy

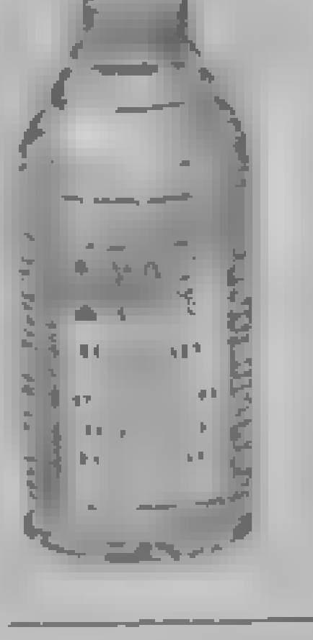
Super Tube Caddy. A ruggedly built, double-door type tube caddy that provides quick accessibility to tubes, tools and small parts. Designed to carry up to 325 tubes—one of the largest tube caddies available on the market today! Contains plenty of extra space to accommodate meters, probes, soldering gun or iron, assorted leads, tools—plus fuses, bulbs, and miscellaneous small parts. Has convenient, removable tool tray. "Egg crate" design for smaller tubes and parts. Reinforced corners for maximum service. Handsomely styled in gray tweed leatherette. Strong, comfort-grip handle. Size (HWD), 16½x24x8½". Shpg. wt., 19 lbs.
86 NX 153. List, $36.60. *$2 Down.* **NET**........21.51

Carry-All Caddy. Exceptionally versatile tube caddy. Carries up to 262 tubes—with plenty of space for a soldering gun, meter, probes, and assorted small parts. Features "break away" design—opens outward from the center to permit easy access to contents. Has reinforced, metal corners for durable service. Handsomely finished caddy is covered with gray-tweed leatherette. 8x15x21". Shpg. wt., 13 lbs.
86 NX 129. List, $26.50. **NET**........15.63

Junior Tube Caddy. Smaller version of Carry-All Caddy listed above. Easy-to carry size for quick trips. Carries up to 143 tubes with ample room for meter, tools, etc. Size (HWD), 15¼x12½x8". Shpg. wt., 10 lbs.
86 NX 155. List, $18.25. **NET**........10.73

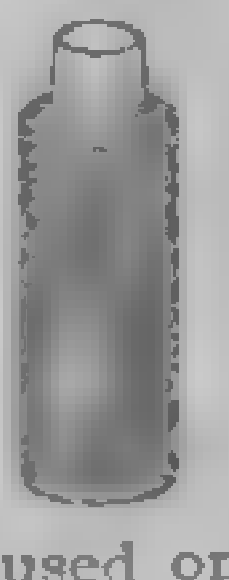
SERVICING CHEMICALS

"NO NOISE" SOLUTION



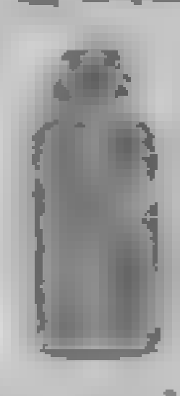
Remarkably effective chemical fo-
mula for cleaning, lubricating a
protecting TV front-ends, contro
switches, etc. In 6 oz. aerosol sp
can. 2 oz. bottle is complete wi
dropper. Shpg. wts., 6-oz. can, 1
oz., 2-oz. bottle, 6 oz.
43 N 142. 6 oz. **NET**........2.2
43 N 143. 2 oz. **NET**........9

MERIX ANTI-STATIC SOLUTION



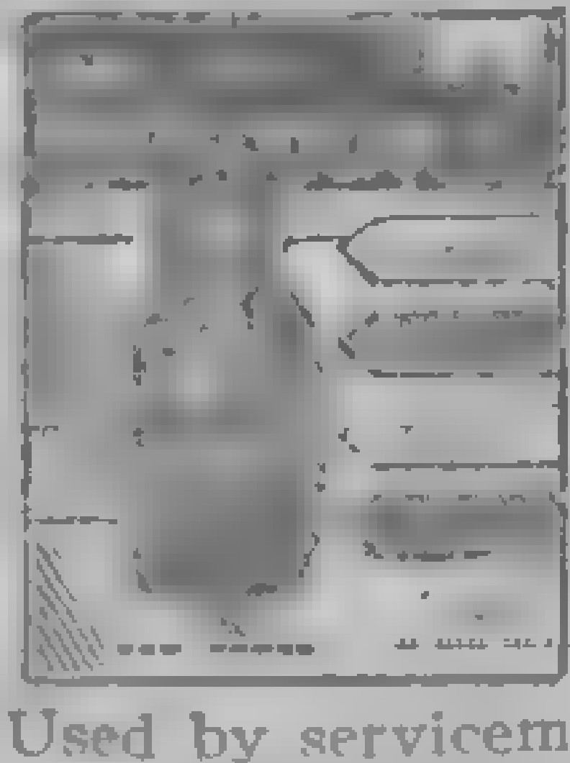
Prevents accumulation of static cha
es on smooth-surfaced substances su
as plastics, metals, records, recordi
discs, etc. Treated surface becom
static-free and no longer attracts du
or lint. Removes static caused crac
ling noise on all types of records. Sing
bottle treats approximately 400 re
ords. Non-inflammable. Can be safe
used on face of TV tube. 4 oz. plastic bott
Shpg. wt., 8 oz.
43 N 144. NET........88

QUIETROLE CLEANER AND LUBRICAN



Radio-TV general purpose lubricant a
cleaner. Eliminates noise from TV fro
end tuners and volume-tone contr
without removal from chassis. Non-
flammable and non-corrosive liquid; r
mains effective indefinitely. Also reco
mended for use on switches, pushbuttons, bea
ings, dial shafts, contacts, etc. An indispensab
tool box item for the radio-TV servicema
Shpg. wts: 2-oz. bottle, 7 oz.; 4-oz. bott
14 oz. *With eye dropper.
43 N 102. *2-oz. bottle. **NET**........1.35
43 N 103. 4-oz. bottle. **NET**........2.0

CHEMTRONICS CHEMICALS



**No-Arc Hi-Voltage In-
sulator. No. 501-1.** Use
by servicemen and ma
ufacturers to prevent ar
ing and to eliminate coro
shorts. Non-inflammabl
fast drying—with hi
voltage (20,000 v.) ins
lating properties. 2 o
bottle. Wt., 1 lb.
44 N 398. NET...87

Tun-O-Lube. No. 505-
Used by servicemen to clean and lubricate a
types of television tuners. Easy to apply. No
inflammable. Will not affect electrical prope
ties of insulators. Bottle contains 2 fluid
Shpg. wt., 1 lb.
44 N 399. NET........77

INSL-X TOOL DIP

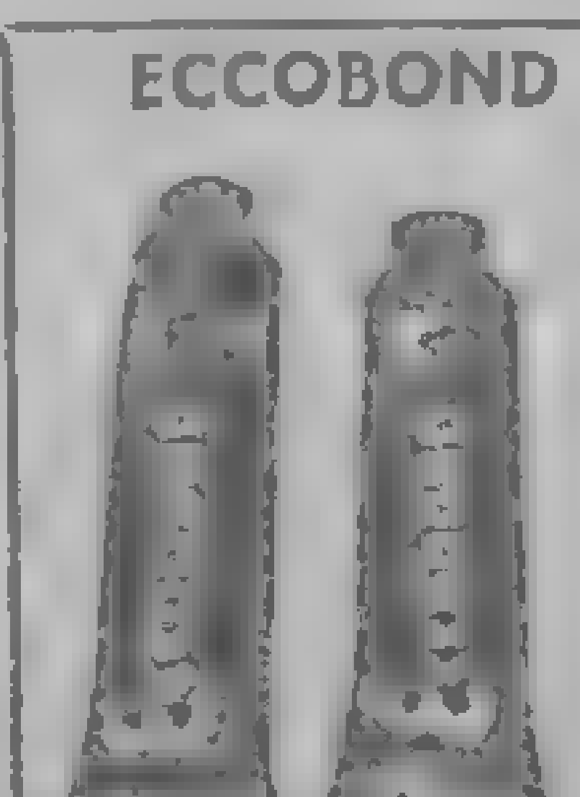
A red liquid plastic that harde
into a tough, insulating coati
when applied to handles of plie
wrenches and other tools used
electrical work. Minimizes sho
hazard. Dielectric strength, 1
v. per mil. Remove cap from c
tainer and dip handle of tool i
liquid; may be dipped repeate
if heavier coating is desired. Dr
in 24 hours. Resists acids, alka
or other corrosive compounds. Shpg. wt., 6
can, 10 oz.; 32 oz. can, 2¼ lbs.

Stock No.	Contents	NET EACH	24 or More, EACH
42 N 400	6 oz.	1.25	1.12
42 N 401	32 oz.	3.40	3.06

INSL-X E-26 INSULATING SPRAY

Highly effective, clear-plastic electrical ins
tion in handy spray-can dispenser. Provides
unusually convenient and dependable meth
for insulating electronic components, termina
circuit wiring and tools. Tough and dura
Has dielectric strength of 800 to 1200 volts
mil. In 12-oz. can with non-clogging val
Shpg. wt., 1½ lbs.
42 N 402. 1 to 23, NET EACH........1.1
24 or More, EACH........1.

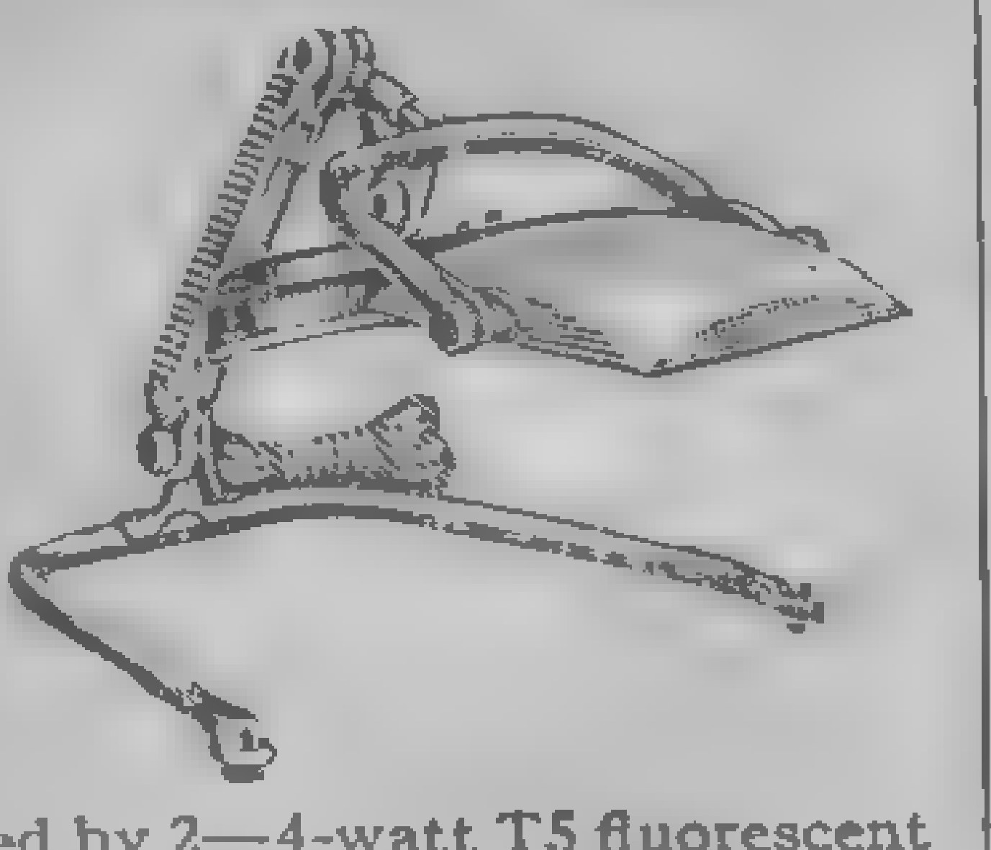
ECCOBOND 26 EPOXY CEMENT



All-purpose epoxy res
patch kit used in repair
tools, hardware items, f
niture. Also as a bond
agent for metals, plasti
wood and ceramics. K
consists of two separa
tubes; equal amounts
resin are squeezed out, mi
and applied. Cure is co
plete in 4 hours at r
temperature or in minut
at 150° F. 1 lb.
44 N 397. NET...1.9

Fluorescent Fixtures—Lanterns—Flashlights

FOSTORIA MAGNIFIER LAMP



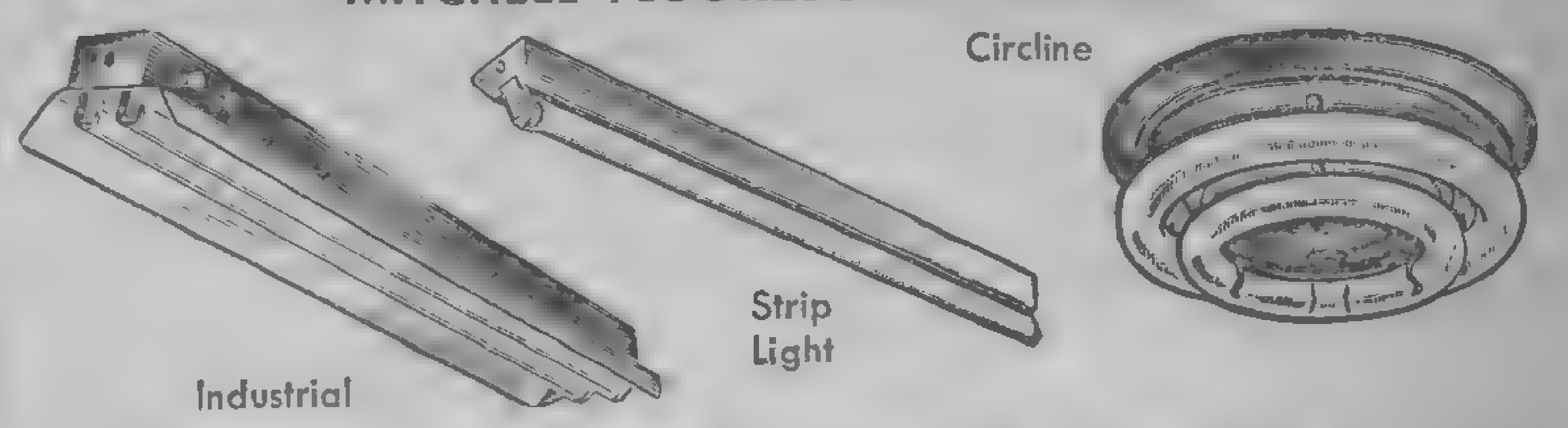
odel DS Port- ble Stand Mag- fier. Illuminat- magnifying ewer increases oduction speed d accuracy in recision work. x6" optically round acrylic ns provides 36 . in. distortion- ee viewing area. djustable illu- ination is afforded by 2—4-watt T5 fluorescent mps. Flexible friction collar disc joints in- ntly position lens and light. Lens and light- g unit suspended on sturdy portable stand of " tubular steel construction with rubber feet. andsome hammerine metallic-silver finish. ize, 9x12x10". For 110-120 volts, 60 cycle AC. ess lamps. Shpg. wt., 5 lbs.
1 NX 171. *$2 Down.* **NET**........39.20

EMERGENCY FLOODLIGHT

Model TW6E Burgess Portable Power-FailureLight. End the uneasy moments that often accompany light failure with this new, economical portable lantern. Simply plug it into any 110-v. wall outlet. When power fails, an automatic relay instantly switches on a powerful beam. Lens diffuses light over a wide area. Easy-to-replace steel-encased battery (one-year shelf life) provides more than 15 hours of continuous operation. Floodlight mounts anywhere with bracket supplied. With 6-ft. extension cord and TW1 6-volt battery. Shpg. wt., 6½ lbs.
78 J 219. List, $20.25. **NET**.....13.48

Model TW4E. Same as TW6E above, but with long-range, spot beam. 6½ lbs.
78 J 217. List, $20.25. **NET**....13.48

MITCHELL FLUORESCENT FIXTURES



RAPID-START INDUSTRIAL FIXTURE

Model 2098RS. All-purpose high-intensity lighting. Excellent for a wide variety of industrial applications. Uses two 48" Type T-12, 40-watt fluorescent lamps. High-gloss gray enamel for maximum light reflection. Power factor corrected to reduce inductive effects.

Has knock-outs to permit flush or stem mounting. Fixtures may be hung on chains, flush-mounted separately, or mounted end-to-end in rows. 48½x11½x5⁹⁄₁₆". Supplied with reflector and ballasts. Less lamps and chains. U.L. Approved. For operation from 110-125 v., 60 cycle AC. Shpg. wt., 17 lbs.
91 NU 315. NET EACH............11.18
3 or More, EACH..............10.32

STANDARD INDUSTRIAL FIXTURE

Model 2098. As above, but standard starter type. With starters. Less lamps, chains.
91 NU 260. NET EACH............9.43
3 or More, EACH..............8.70

Model 949. Same as Model 2098, but uses two 75-w. 96" fluorescent lamps. Wt., 35 lbs.
91 NU 187. NET EACH............19.10
3 or More, EACH..................17.45

CIRCLINE FLUORESCENT FIXTURES

Model 666C. Low-cost, single-lamp, chrome-plated fixture with "instant-start" feature. Provides clear, glareless illumination—equivalent in light produced to a 100-watt incandescent bulb. For use in average-size kitchens, basement work areas, small offices, dens, etc. Handsome chrome finish. With 12" diameter, 32-watt Circline lamp. U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 9 lbs.
91 NX 279. NET EACH............8.63
3 or More, EACH....................7.87

Model 841C. Chrome-plated 2-lamp fixture. Improved light diffusion. With 12" dia. 32-watt and 8" dia. 22-watt rapid-start lamps, hardware and glass pendant. For 110-120 v., 60 cycle AC. U.L. Approved. 11 lbs.
91 NX 262. NET EACH...........13.90
3 or More, EACH..................12.67

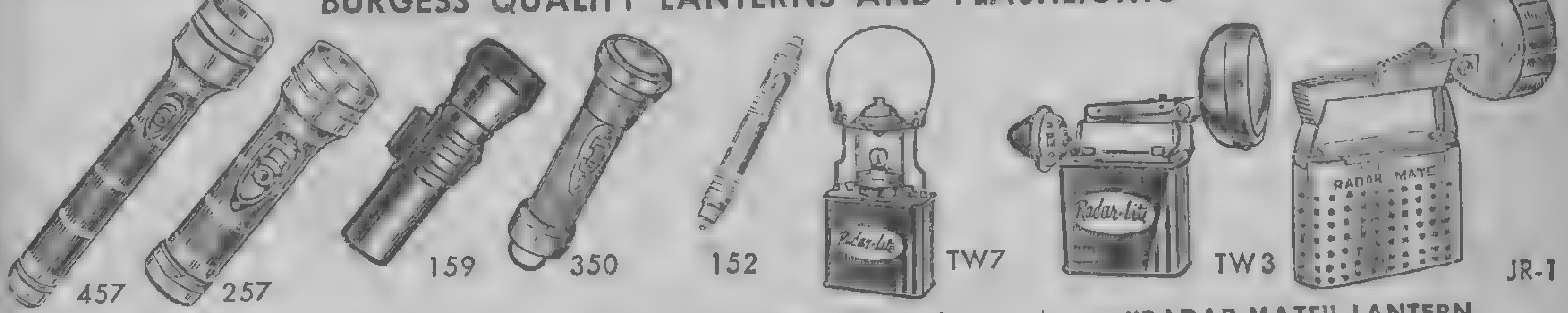
Model 847C. Deluxe model with three self-starting lamps for greater light diffusion. Chrome plated. With 40, 32 and 22-watt lamps. For 110-120 v., 60 cycle AC. U.L. Approved. Shpg. wt., 15 lbs.
91 NX 241. NET EACH..........22.55
3 or More, EACH..................20.55

FLUORESCENT STRIP-LIGHT FIXTURES

Each fixture has provision for secure locking to adjacent units. Designed for easy installation anywhere. Handsome white, baked enamel finish. Types 316 and 318 are normal power factor; 265 has high power factor. 9308 and 9328 are Slimline-type units. Less lamps. For operation from 110-125 v., 60 cycle AC. U.L. Approved. *Types 316, 318 and 265 equipped with starters.

Stock No.	Mfr's Type	No. Lamps	Watts	Lgth.	Wt. Lbs.	NET EACH	
						Single	3-Up
91 NX 195	316*	1	20	24"	4	2.76	2.54
91 NX 196	318*	1	40	48"	6	4.59	4.24
91 NX 197	265*	2	40	48"	8	8.91	8.23
91 NX 188	9308	1	75	96"	30	15.00	13.70
91 NX 189	9328	2	75	96"	30	15.00	13.70

BURGESS QUALITY LANTERNS AND FLASHLIGHTS



LATE-MODEL FLASHLIGHTS

odel 457. "A" 4-cell flashlight with lantern archlight power! With 6-v. PR13 lamp. Less o. 2 batteries. Shpg. wt., ¾ lb.
3 J 204. List, $3.29. **NET**..........2.20

odel 459. As above, but uses 3 No. 2 cells d PR3 lamp. With lamp. Less cells. ⅝ lb.
J 779. List, $2.95. **NET**...........1.95

odel 257. New "Satellite Junior" is ideal for rse or glove compartment. Uses 2 No. 1 cells. ith lamp. Less cells. Wt., ¾ lb.
3 J 206. List, $1.75. **NET**...........1.20

odel 159. Sturdy, chrome-plated "Magnet ght" with Alnico permanent magnet that lds fast to steel. Red "brite-glo" head. Uses 2 o. 2 cells. Supplied with lamp; less batteries. pg. wt., 1 lb.
3 J 107. List, $1.79. **NET**...........1.24

odel 350. A fine 2-cell flashlight. Fiber bar- with rubber cushioned head, end cap. Pre- used and weatherproof. Uses two No. 2 cells. ith lamp. Less batteries. 1 lb.
J 229. List, $1.90. **NET**.............1.31

odel 450. As above, but uses three No. 2 cells J PR3 lamp. Less batteries. 1⅛ lbs.
3 J 235. List, $2.15. **NET**...........1.47

odel 152 Slim-Line Penlight. Tu-Tone d chrome finish. Uses two No. 7 cells. With o. 224 bulb. Less batteries. Wt., 5 oz.
3 JC 245. List, 88¢. **NET**.............61c

odel P92 Heavy-Duty Penlight. (Not s.) With pocket clip. Uses two No. Z cells. th No. 222 bulb. Less batteries. 5 oz.
3 JC 220. List, 88¢. **NET**.............61c

"RADAR-LAMP" LANTERN

Model TW7. Here's an outstanding portable lantern with super-intensity lamp. Completely leakproof and weatherproof. Simple to operate and convenient to carry. Battery can be replaced in seconds—two insulated knurled nuts hold battery firmly to head assembly. 9¼x5¼x2¾" (including battery). With TW1 6-v. battery. Wt., 4½ lbs.
80 J 686. List, $9.25. **NET**...........5.73

TW34 Flasher Light. Head assembly for "Radar Lamp" above—attaches to top of TW1 battery. Provides red light which flashes on and off. Chrome plated. 4x2¾x5⅛". Less battery, below. Shpg. wt., 1 lb.
80 J 687. List, $3.95. **NET**...........2.53

"RADAR-LITE" LANTERN

Model TW3. A super-power, all-purpose lantern with sealed-beam lamp. Automatic red flashing signal swings 90° on movable arm. Battery is lantern body—can be changed in seconds. Chrome handle. 11¼x9¾x3½". Lamp has 4¾" dia. With TW1 6-volt battery. Shpg. wt., 6 lbs.
78 J 270. List, $12.70. **NET**.........7.83

Model TW4. Same as Model TW3 above, but less flasher. Shpg. wt., 6 lbs.
78 J 228. List, $10.25. **NET**...........6.33

Model TW12. As above, but with rugged TW2 12-volt battery. Shpg. wt., 6 lbs.
79 J 780. List, $10.95. **NET**...........6.75

TW1 6-Volt Battery. For TW3, TW34, TW4, TW4E, TW6E and TW7 lanterns. Wt., 3½ lbs.
80 J 680. List, $2.75. **NET**...........1.83

TW2 12-Volt Battery. For TW12. Wt., 3½ lbs.
79 J 753. List, $2.75. **NET**...........1.83

"RADAR-MATE" LANTERN

- Brilliant, Longer Light Beam
- Quick, Easy Push-Pull Loading
- Portable, Compact, Lightweight

Model JR-1. A new addition to the famous Burgess Radar-Line, the Radar-Mate is a rugged, powerful portable light for the discerning user. Ideal for the outdoor enthusiast or the homeowner; for motorists, repairmen, campers, youngsters. Heavy-gauge steel construction, corrosion-resistant design, plus a life time switch, assure years of trouble-free service. The adjustable head has a special multi-facet vaporized reflector, providing a brighter, longer beam, with peak distribution of light.

The Radar-Mate reloads easily—a quick, simple slide motion removes the entire light head from battery. No spring contacts to engage, no wires to attach. Separated head and battery container design banishes expensive corrosion damage. Stands solidly on its flat base—no rolling away at the wrong time! Weatherproof switch has silver contact points for positive action. Head moves 135° up and down. Gleaming chrome plate case. Requires three No. 2 batteries (below). Shpg. wt., 1¼ lbs.
81 J 057. List, $4.98. **NET**...........3.32

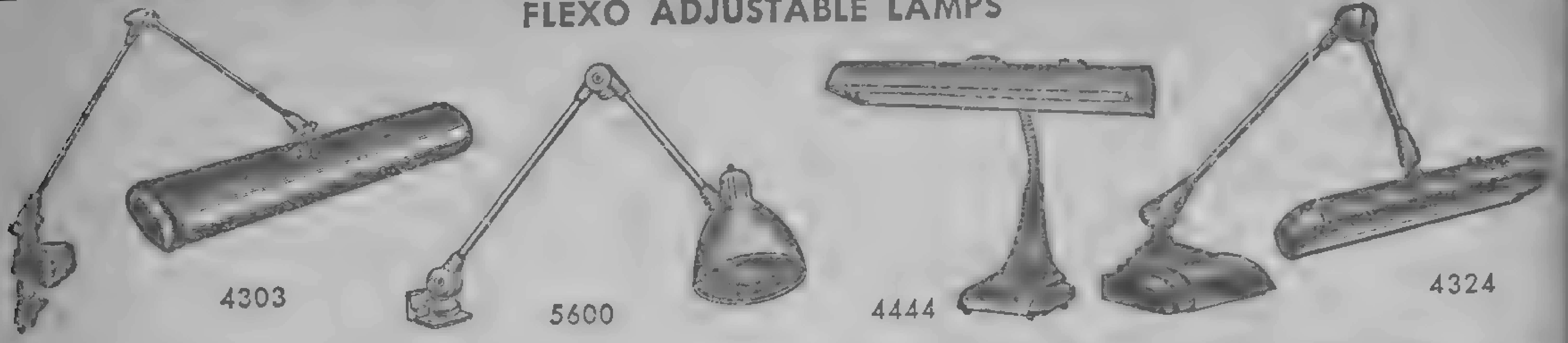
No. 2 Battery. For JR-1 above. Wt., 6 oz.
53 J 009. NET EACH..................14¢

RL22 Storage Bracket. Bracket with spring clips firmly grips all Radar-Line lanterns using TW1 batteries. Holds unit on floor or wall of truck or car, yet keeps it readily available without unsnapping or tying down. Wt., 1 lb.
80 J 688. List, $1.50. **NET**.............1.00

See Our Complete Battery Listings Elsewhere in This Section

Adjustable Lamps and Accessories

FLEXO ADJUSTABLE LAMPS



MODEL 4303 ALL-PURPOSE LAMP

A well-designed, all-purpose lamp for the service bench, home workshop, etc. Head tilts vertically 180° and turns 300° on its axis. Upper elbow swings in 160° vertical arc; lower elbow swings in 110° vertical arc. Extends to 36". Spring-controlled swivel joints. Push button switch. Easily installed—two bolts clamp base firmly to any surface up to 3" thick. Bolts removable for surface screw mounting. Bronze finish. Requires two T8, 15-watt fluorescent lamps. For 105-125 v., 60 cycle AC. U.L. Approved. Less lamps (below). Shpg. wt., 10 lbs.

91 NX 225. List, $20.95. **NET EACH** 15.40
3 or More, EACH 14.38

MODEL 5600 "COOL-SHADE" LAMP

Low-cost bench lamp. Adjusts to any position or angle. Shade vented for cool handling. Swivels at base, shade and each joint. Entirely spring-controlled in base, middle joint and shade. Maximum extension 42". Off-on switch on shade. Shade dia., 5½"; 7" deep. Universal base for clamping or screw mounting—either vertical or horizontal. Less standard bulb. Gray finish. U.L. Approved. Shpg. wt., 3½ lbs.

91 NX 142. List, $11.95. **NET EACH** 8.77
3 or More, EACH 8.20

MODEL 4444 "FLEXARM" TWIN-LIGHT

A two-light, adjustable, fluorescent lamp. Flexible arm permits sh adjustment to any height 8" to 14". Ideal for fine precision work, ser bench use, industrial assembly lines, etc. Sturdy, non-magnetic m base. Heavy-gauge steel shade, 2⅛x4½x18". Washable, white-enam reflector. Push button off-on switch. Rubber bumpers on base. Req two T8, 15 watt fluorescent lamps. Less lamps (see below, left) ished in oven fired bronze. U.L. Approved. For operation from 105 v., 60 cycle AC. Shpg. wt., 10 lbs.

91 NX 146. List, $14.95. **NET EACH** 10.9
3 or More, EACH 10.2

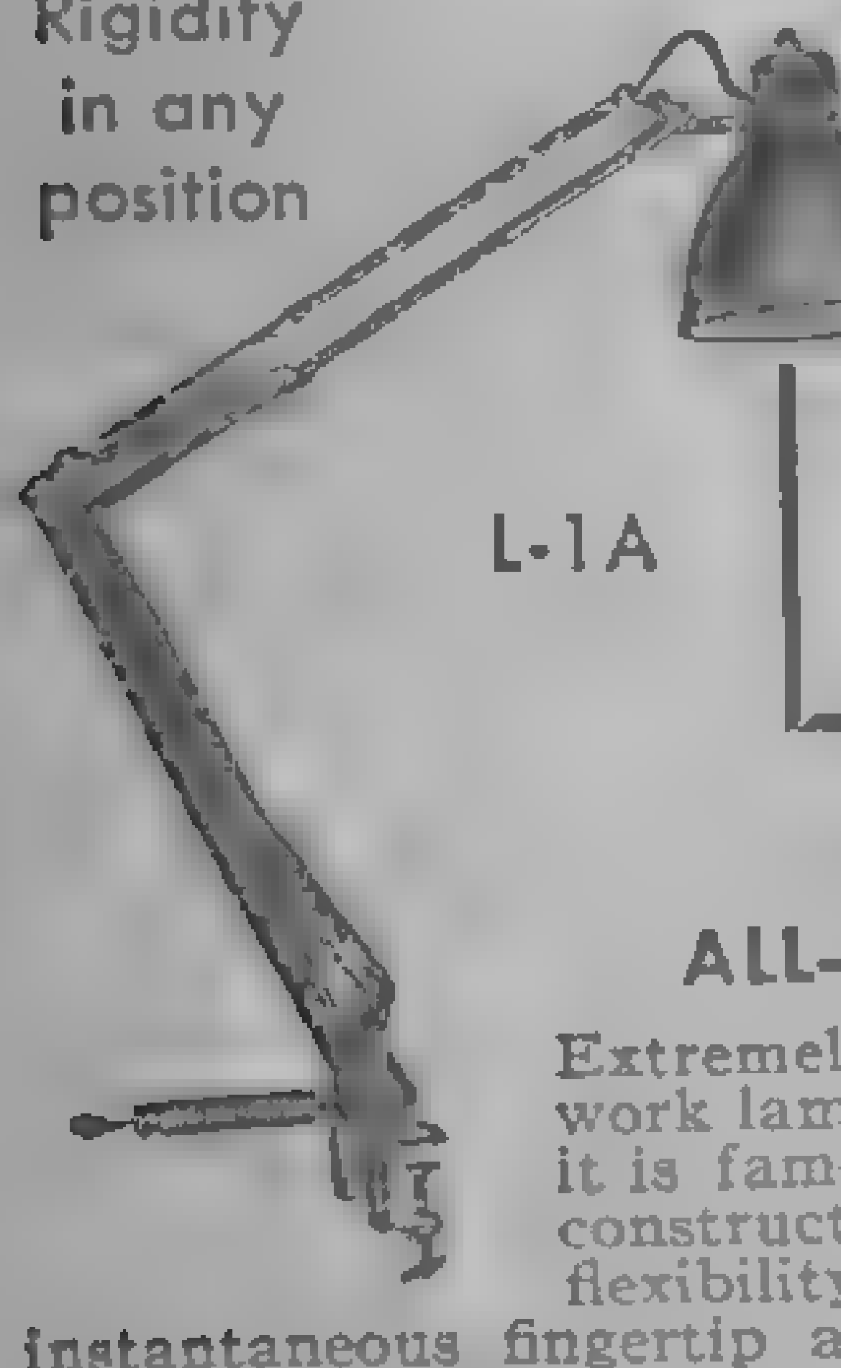
MODEL 4324 PORTABLE DESK LAMP

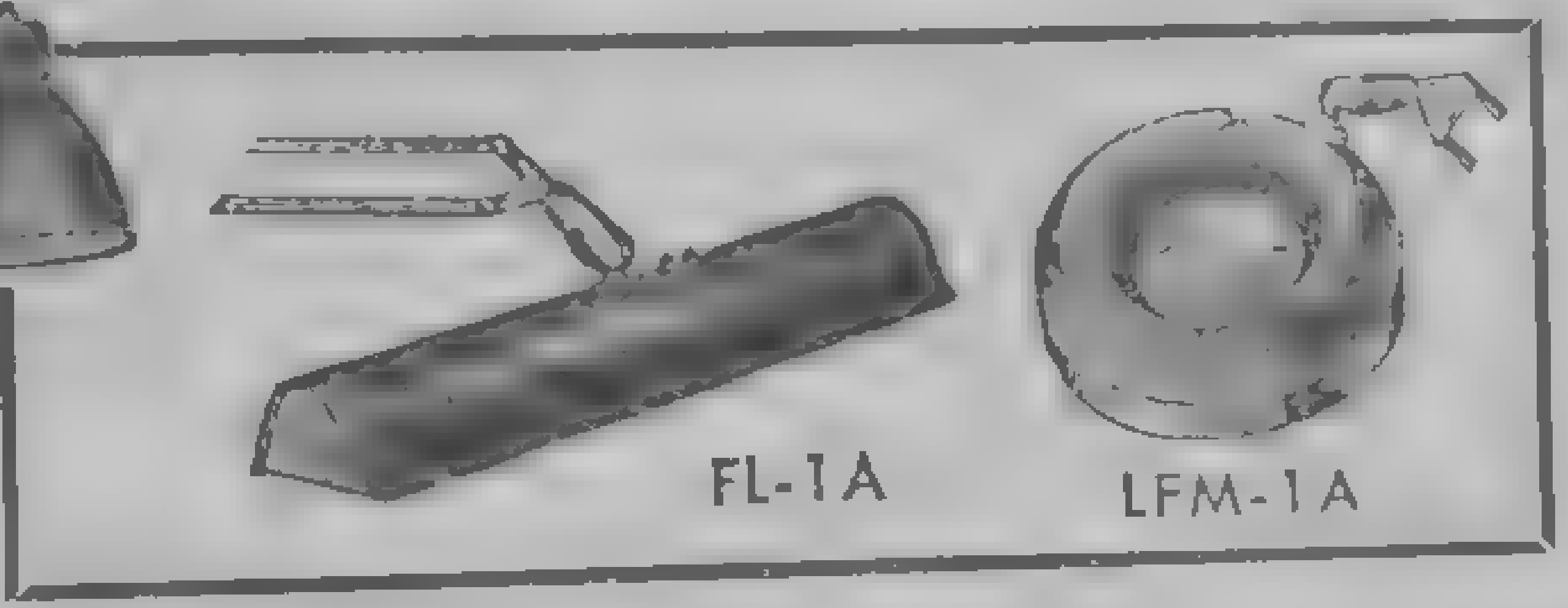
Portable desk model. Similar to Model 4303 (left, above) but weighted base. For desks where screw clamp cannot be used. Raises lowers, extends and tilts in any direction. Fingertip control—stays position. Double arm extends 32". Pen and pencil grooves in Bronze finish. U.L. Approved. For 105-125 v., 60 cycle AC. Requires T8, 15-watt lamps (below). Less lamps. Wt., 23 lbs. *$2 Down.*

91 NU 226. List, $28.95. **NET EACH** .... 21.
3 or More, EACH 19

LUXO ADJUSTABLE LAMPS

Absolute
Rigidity
in any
position





Glare-Free
Light in Any
Direction

MODEL L-1A ALL-ANGLE LAMP

Extremely popular, all-angle work lamp. Made in Norway, it is famous for its precision construction and exceptional flexibility. Provides excellent, instantaneous fingertip adjustment, yet balanced to maintain any position.

Ideally suited to furnish glare-free illumination for the service shop or work bench. Swings from a straight vertical position to within a few inches of the floor. May be raised, lowered, or turned with a touch of the fingers. Has two extension arms 45" long and a 360° sweep. Swivel joints are spring-loaded; knurled nut controls overall tension.

Porcelainized shade has large vents for heat dissipation. Off-on switch conveniently located at top of shade. Supplied with clamp for easy attachment to bench, table, or desk up to 1¾" thick. Dove gray finish. Durable and lightweight. U.L. Approved. Requires one standard light bulb. Less bulb. Wt., 5 lbs.

91 NX 296. List, $23.50. **NET EA.** . 17.62
3 or More, EACH . 15.88

MODEL FL-1A FEATHER-TOUCH ALL-ANGLE FLUORESCENT LAMP

An all-purpose fluorescent lamp featuring "feather-touch" positioning—may be raised, lowered or turned with finger tip. Unique, spring-loaded extension arms always stay in position. Lamp housing is also adjustable. Shade 19x4½". Push button starter. Has clamp for desk, bench, or table mounting. Extends to 45". Dove gray finish. U.L. Approved. For 110-120 v., 60 cycle AC. Less lamps (requires two T8 lamps below). Wt., 9 lbs. *$2 Down.*

91 NX 228. List, $29.50. **NET EA.** . 22.12
3 or More, EACH 20.01

MODEL LFM-1A MAGNIFIER

A new illuminated magnifier combining large magnification, cool fluorescent light, and maneuverability into one versatile unit. Large, 5" lens gives excellent distortion-free view of desired area. Spring balanced a top for easy positioning. Two extension arms; 360° sweep; 45" reach. With clamp for bench or desk mounting. Gray finish. For 110-120 v., 60 cycle AC. U.L. Approved. Requires Circline T9 lamp (below). Less lamp. 8 lbs. *$2 Down.*

91 NX 201. List, $44.50. **NET EA.** . 33.38
3 or More, EACH 30.28

STARTERS & SOCKETS

High-quality starters and sockets for all types of fixtures. *Circline. †Circlarc. Av. wt., 3 oz.

A STARTERS

Stock No.	Mfr's Type	Watts	1-9, EACH	10-U EACH
78 N 850	FS2	14,15,20	20¢	18¢
78 N 851	FS4	30 or 40	20¢	18¢
78 N 854	FS12	32*	28¢	25
78 N 855	FS22	14,15,18* 20-22†	28¢	25¢

B LAMPHOLDER SOCKETS

Stock No.	Watts	Color	1-9, EACH	10-U EAC
78 N 860	14,15,20	Black	38¢	34
78 N 861	30 or 40	White	40¢	36

C STARTER SOCKET

Standard Dual-Loc remote starter socket.

78 N 858. 1 to 9, NET EACH 1
10 or More, EACH. ....

D STARTER SOCKETS & LAMPHOLDERS

Combination Flex-Loc lampholder and Du Loc starter socket.

Stock No.	Watts	Color	1-9, EACH	10-U EAC
78 N 865	14,15,20	Black	52¢	47
78 N 866	30 or 40	White	54¢	49¢

STANDARD AND CIRCLINE FLUORESCENT LAMPS

Lamps listed below represent sizes most frequently employed in office, industrial and home applications. Use a fraction of the power of incandescent-type bulbs. White lamps have light characteristic like that of standard incandescent bulbs. Daylight lamps provide light with a bluish tinge approximating natural daylight. Cool-white lamps are 4500° Kelvin. Lamp life is approximately 2500 hours. *Circline lamp, size shown in table is the diameter of the lamp circle. All lamps below have medium-size bi-pin bases except Type T5 (miniature bi-pin) and Circline lamps which have 4 pin bases. §Rapid start lamps. Types T12 (40 w.) below are dual purpose—for regular or rapid-start use.

Stock No.	Type	Watts	Size	Tube Dia.	Color	Std Pkg	Wt. Lbs.	NET EACH	In Std. Pkg., EA.
91 N 172	T5	4	6"	⅝"	Cool white	24	[illegible]	1.30	1.04
91 N 521	T5	6	9"	⅝"	White	24	½	1.35	1.08
91 N 511	T12	14	15"	1½"	Cool-white	24	1	1.10	.88
91 N 500	T8	15	18"	1"	Daylight	24	1	1.15	.92
91 N 514	T12	15	18"	1½"	Cool-white	24	1	1.10	.88
91 NX 502	T12	20	24"	1½"	Daylight	24	1¼	1.15	.92
91 N 535	T9*	22	8¼"	1⅛"	Cool white	12	1¼	3.50	2.80
91 N 516	T10*	32	12"	1¼"	Cool-white	12	1½	3.50	2.80
91 NX 534	T12§	40	48"	1½"	Cool white	24	2	1.25	1.00
91 NX 506	T12§	40	48"	1½"	Daylight	24	2	1.30	1.04
91 NX 162	T12	75	96"	1½"	Cool-white	12	3	3.20	2.56
91 NX 163	T12	75	96"	1½"	Daylight	12	3	3.30	2.64

ADVANCE FLUORESCENT BALLASTS

Wide selection of high-quality ballasts for all popular fixtures. Normal power factor types are 55-65% corrected. High power factor types are 90-100% corrected. U.L. Approved. For 105-125 volts, 60 cycle AC. *Lamp watts. †For use with rapid-start lamps.

1-LAMP BALLAST—NORMAL POWER FACTOR

No.	Type	Watts*	Size	Ctrs.	Lbs.
78 N 889	L-115	15	4¼x2x1⁷⁄₁₆"	3⅝"	1
78 N 891	L-120	20	4¼x2x1⁷⁄₁₆"	3⅝"	1
78 N 893	L-140	40	6[illegible]x1¹⁵⁄₁₆x1⅜"	6"	3
78 N 885	LO-14-20-C	14, 15, 20	3[illegible]x1¹⁵⁄₁₆x1¼"	2¾"	¾
78 N 888	RLQC-140	32, 40	6[illegible]x2⁵⁄₁₆x1¹¹⁄₁₆"	6"	3

2-LAMP BALLAST—NORMAL POWER FACTOR

No.	Type	Watts*	Size	Ctrs.	Lbs.
78 N 898	L-220	20/20	6¼x2x1⁷⁄₁₆"	5⅝"	1½
78 N 828	R-22-32	22/32	6¼x2⁵⁄₁₆x1¹¹⁄₁₆"	6"	3

2-LAMP BALLAST—HIGH POWER FACTOR

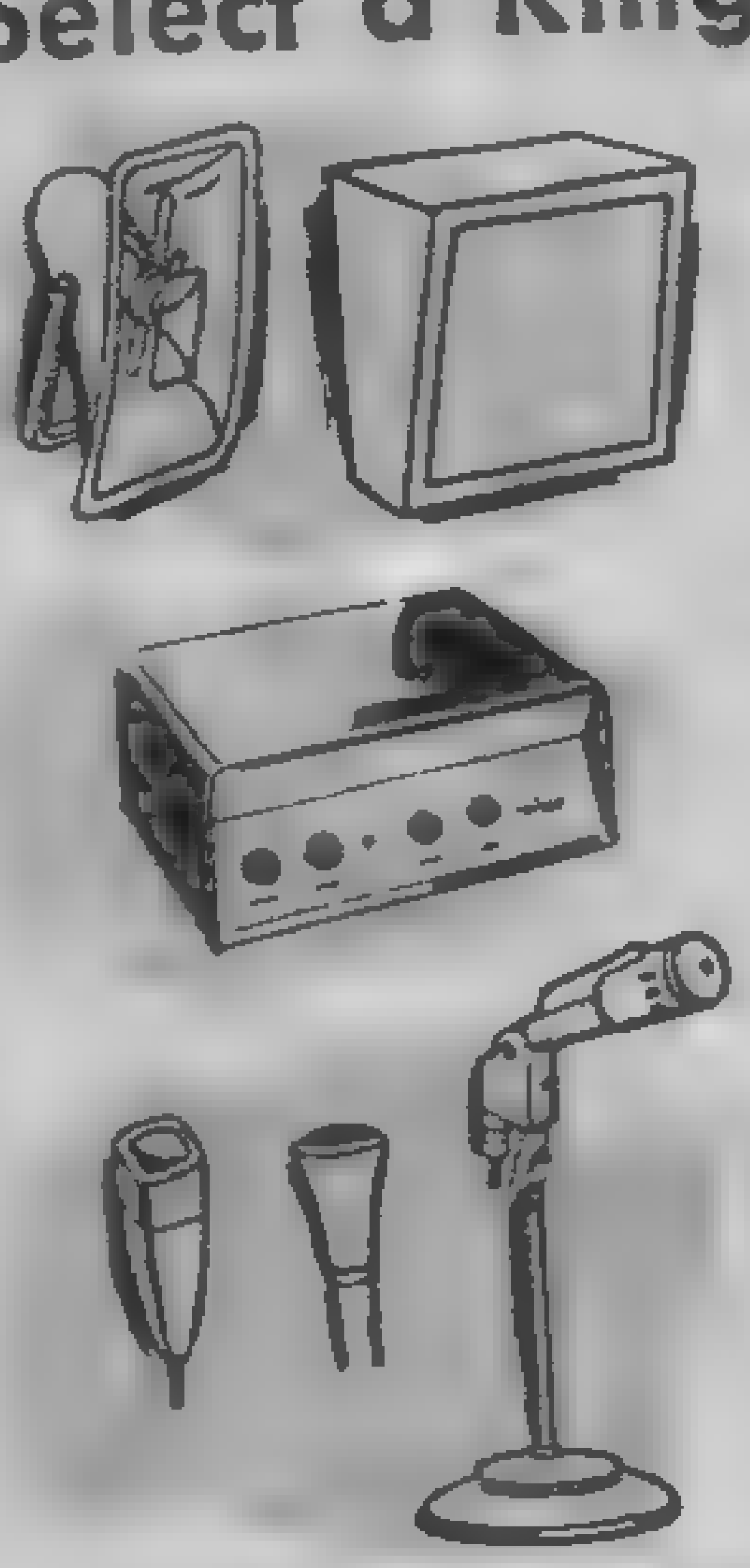
No.	Type	Watts*	Size	Ctrs.	Lbs.
78 N 896	S-240	40/40	11[illegible]x2[illegible]x1¹¹⁄₁₆"	11[illegible]⁄₁₆"	4½
78 N 897	FSHM-240	40/40	9[illegible]x2⅜x1¹¹⁄₁₆"	8¹⁵⁄₁₆"	4¾
78 N 829	†RQM-2S40	40/40	9[illegible]x2[illegible]x1¹¹⁄₁₆"	8²⁹⁄₃₂"	4

KNIGHT . . . for the best in sound

It's Easy to Select a Knight Sound System

Knight P. A. equipment offers outstanding quality and unbeatable value—to provide you with superior sound coverage. The use of highest quality components and first-rate design produces rugged, dependable amplifiers.

All Knight amplifiers are equipped with the specially-designed Impedance Selector for fast, easy change of speaker arrangement. More copper and iron in the output transformers gives better sound quality. The Knight name is your assurance of P. A. supremacy.



FIRST CHOOSE THE SPEAKERS

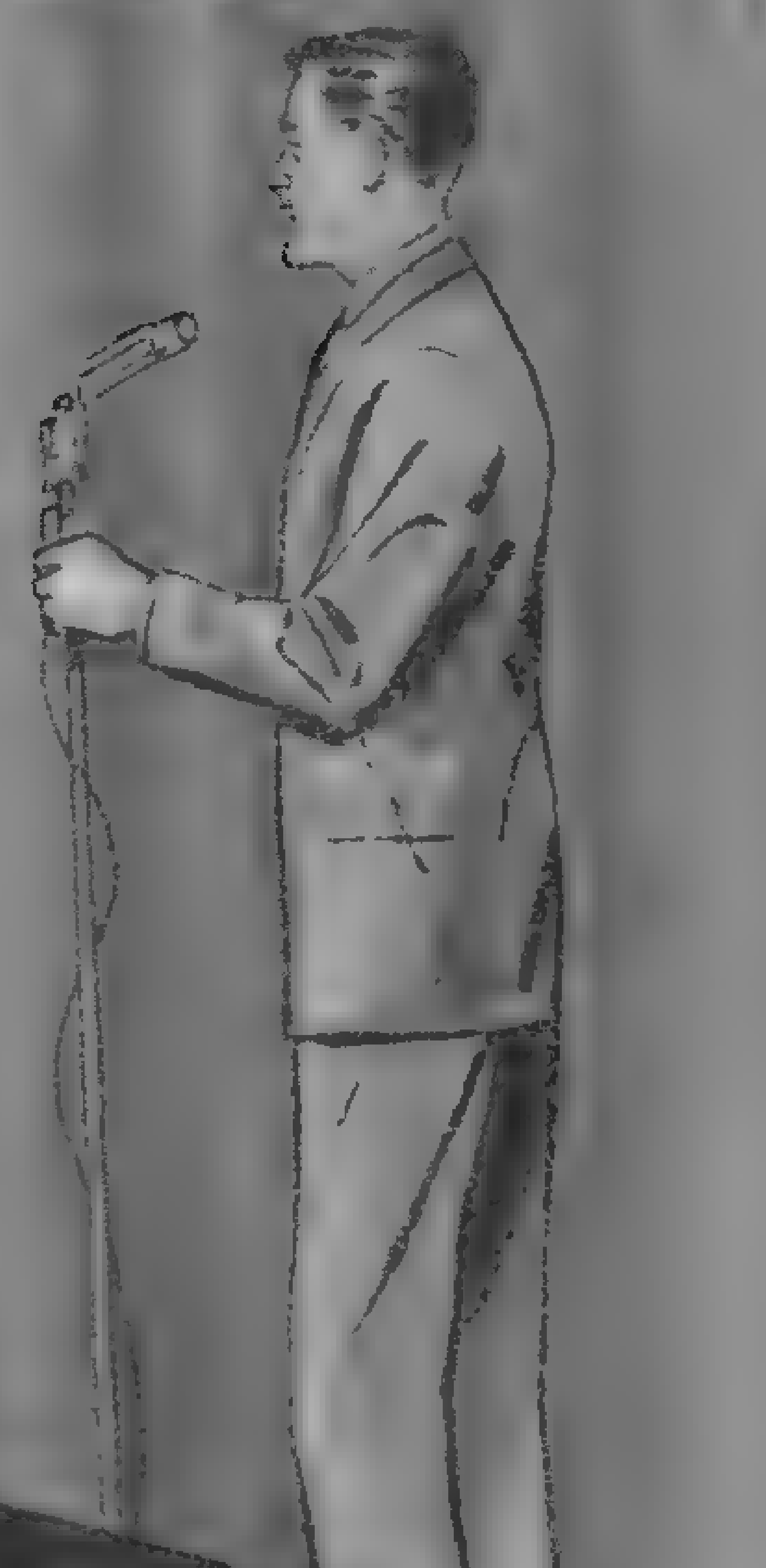
Read "How to Select a Public Address Speaker" at the beginning of the P.A. speaker section. Afterward, decide on exactly how many speakers you'll need to cover your particular area.

NEXT—SELECT THE AMPLIFIER

It's easy to determine the power rating you need. For example, if you plan to use 5 trumpets with 10 watts of power per trumpet, mulitply 5 times 10. Power required is a minimum of 50 watts.

THEN—SELECT THE MICROPHONES

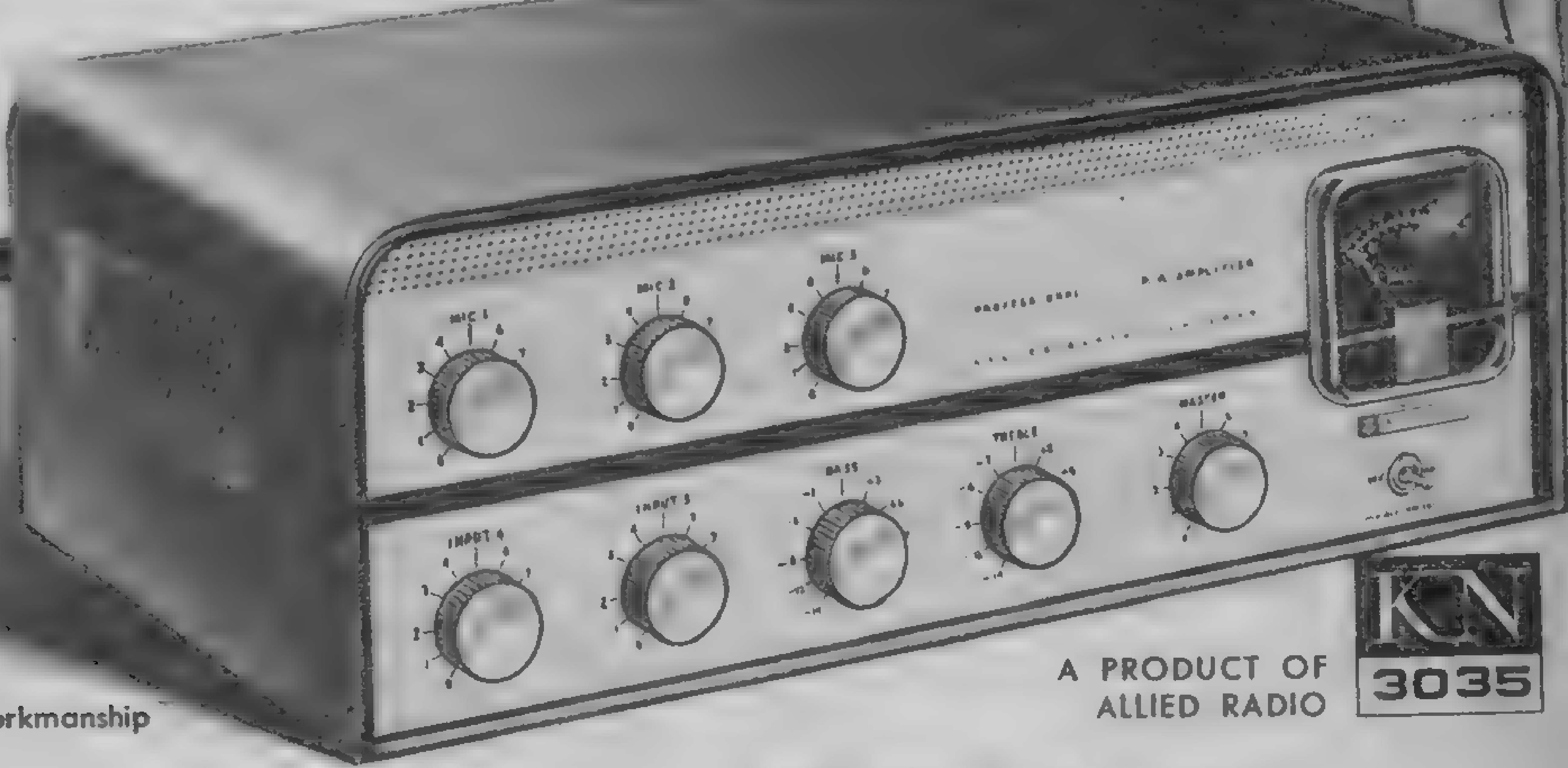
Any high-impedance dynamic or crystal mike will give excellent performance. (See first page of microphone listings.) Choice of mike is determined primarily by its intended use.



FREE CONSULTING SERVICE—15 DAY MONEY BACK GUARANTEE

BUY ON EASY TERMS

Sound equipment is readily available on our Easy Pay Plan. Full details in last section of this catalog.



Guaranteed For One Full Year Against Defects In Material And Workmanship

A PRODUCT OF ALLIED RADIO

KN 3035

Versatile KNIGHT Professional 35-Watt Amplifier

HIGH FIDELITY SPECIFICATIONS

Power Output: Full 35 watts.

Response: ±2 db, 20-20,000 cps.

Distortion: 2% at rated output.

Hum: −71 db.

Inputs: 3—mike; 2—high level phono; 1—magnetic phono.

Controls: 3—Mike Volume; 2—Phono Volume; Bass; Treble; Master Volume; Mike-Magnetic switch; On-Off; 6-position meter range Selector; High-Low Impedance.

Output Impedance: 4, 8, 16, 250 and 500 ohms; 70.7 volt.

Styling: Black metal case with brushed-chrome panel.

NET **$119.95** only $5 down

- Bass and Treble Controls—Master Volume Control
- Noise-Free Connectors For All Microphone Inputs
- Six-Range Level Meter For Instant Power Check
- Three Mike Inputs—Three Phono Inputs

A P.A. amplifier of outstanding versatility, suited to even the most demanding applications. Engineered for exceptional convenience and highest quality, this deluxe unit delivers a full 35 watts of audio output with genuinely impressive high-fidelity reproduction. The extensive array of "plus" features include complete mixing of 3 microphones, with remote mixing facilities (below); plug-in transformers for converting mike inputs to low impedance; easy-to-read output meter with 6-position range selector switch; tone controls which boost or attenuate; etc. Special trumpet protector switch attenuates response sharply below 150 cps. Has convenient output impedance selector socket; output tube balancing control; tape recorder output jack; auxiliary AC outlet. 6⅞x17¼x11″. U.L. Approved. Made in U.S. For 110-120 v., 50-60 cycle AC. Shpg. wt., 28½ lbs.
35 DU 793. *Only $5 Down.* NET 119.95

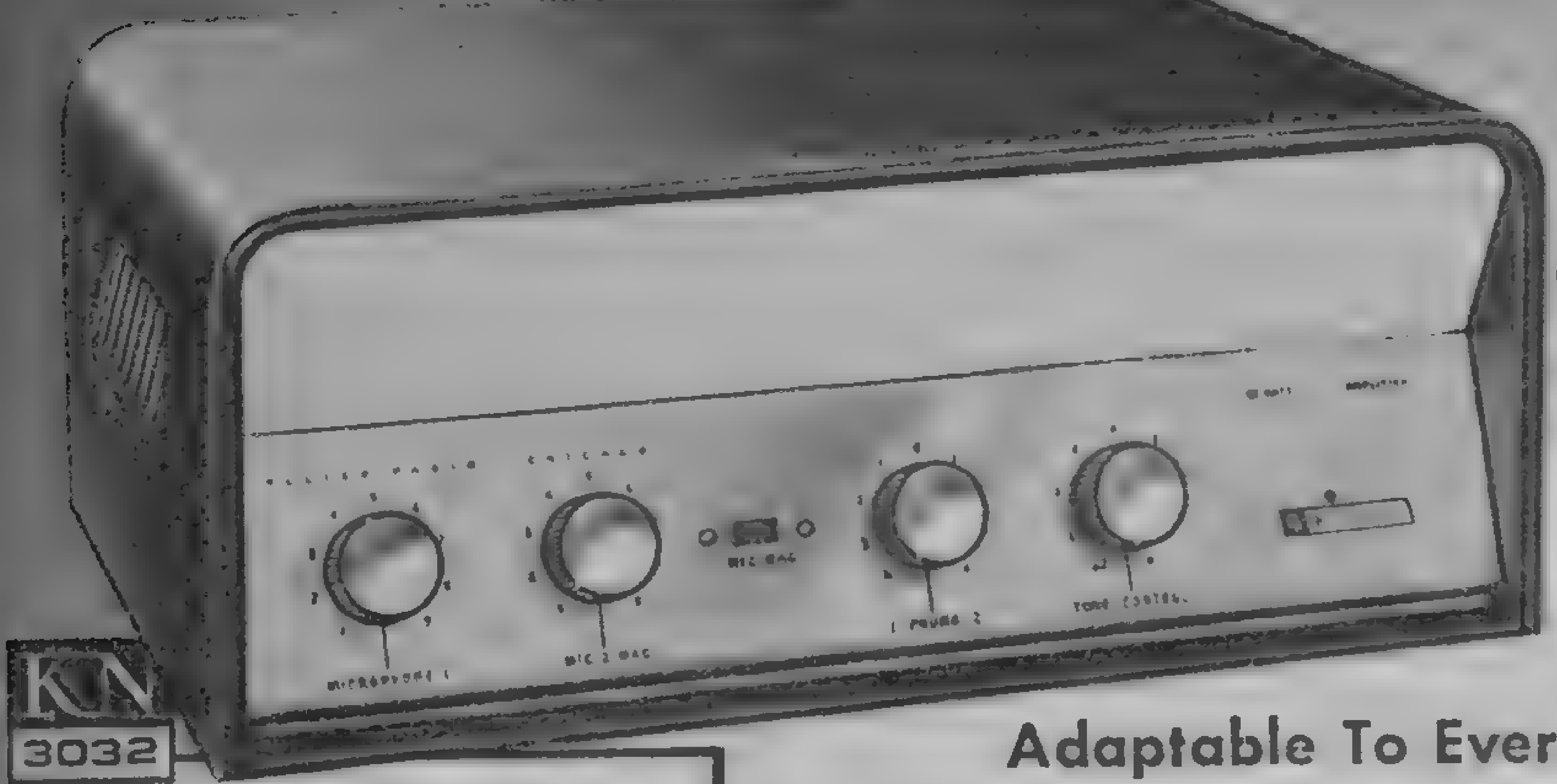
PLUG-IN LOW IMPEDANCE TRANSFORMER. Matches 50-600-ohm microphones. 1 lb.
93 S 068. NET 13.50

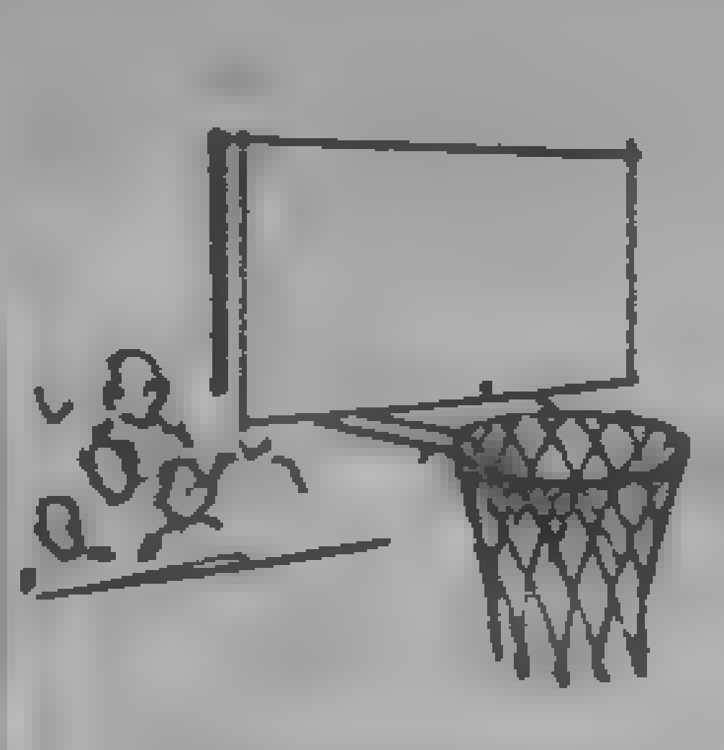
REMOTE CONTROL UNIT. For use with KN-3035 only. Fades and mixes 3 mikes up to 1000 ft. away. With 50-ft. cable 5x2½x1″. 1½ lbs.
93 S 070. NET 12.75

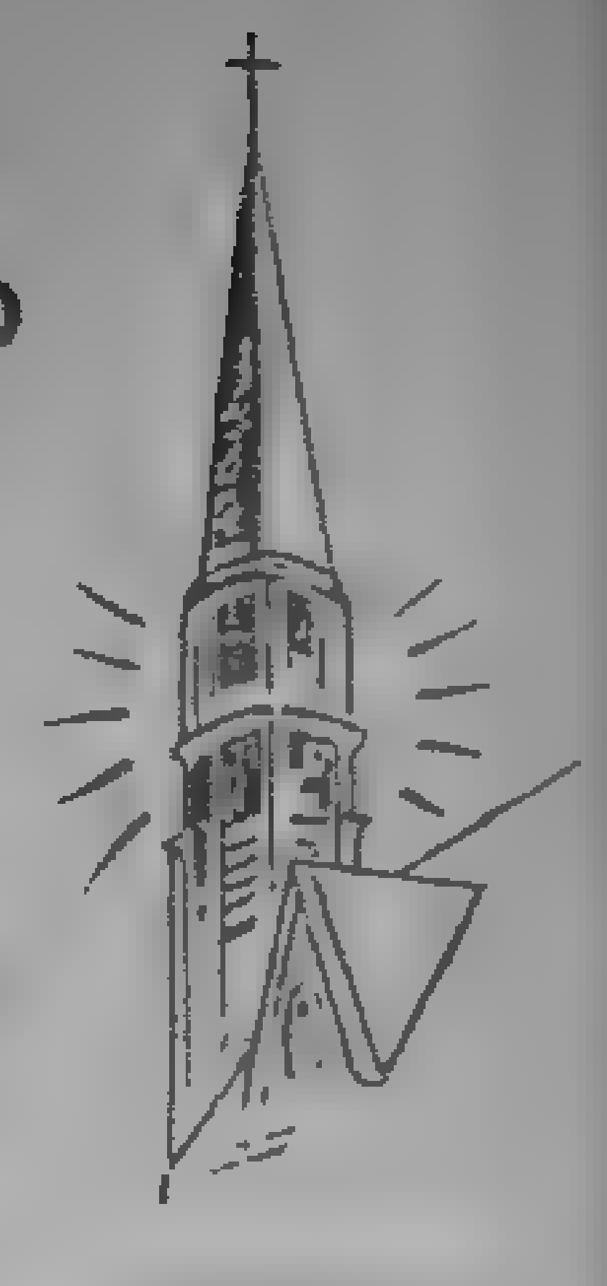
KNIGHT

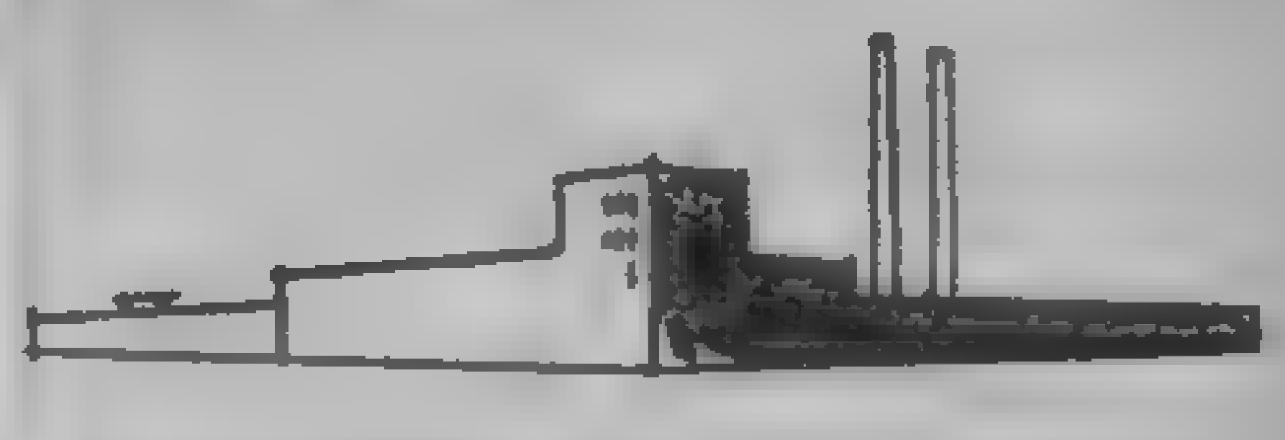
All-Purpose 32-Watt Amplifier

CLEAR, POWERFUL SOUND WHEREVER YOU USE IT



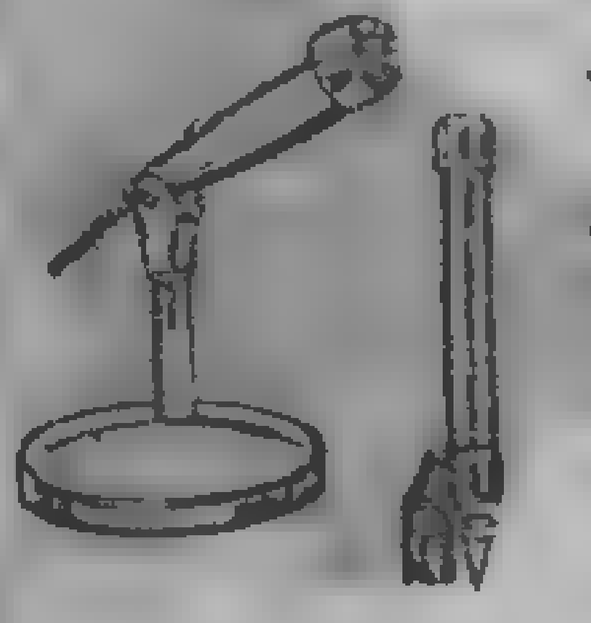

GYMNASIUMS


CHURCHES

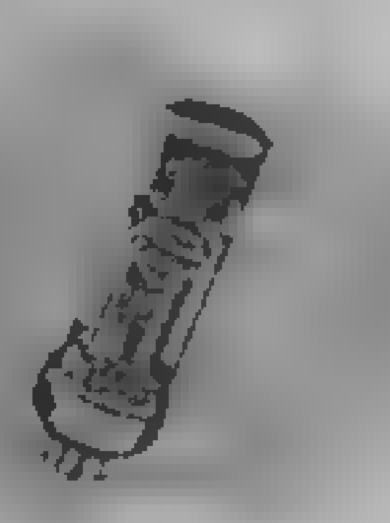

FACTORIES, WAREHOUSES

Adaptable To Every Sound Need

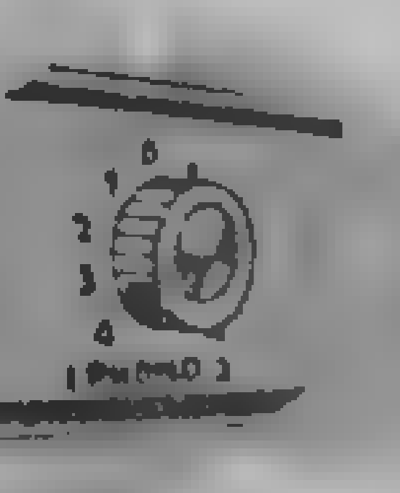
Outstanding Features



TWO MIKE INPUTS
Inputs for 2 microphones—with individual volume controls for added convenience.



HIGH-GAIN TUBES
Employs the latest, ruggedized high-gain tubes—for reliable service.



PHONO-FADER CONTROL
Variable control increases or decreases volume of either phono input.

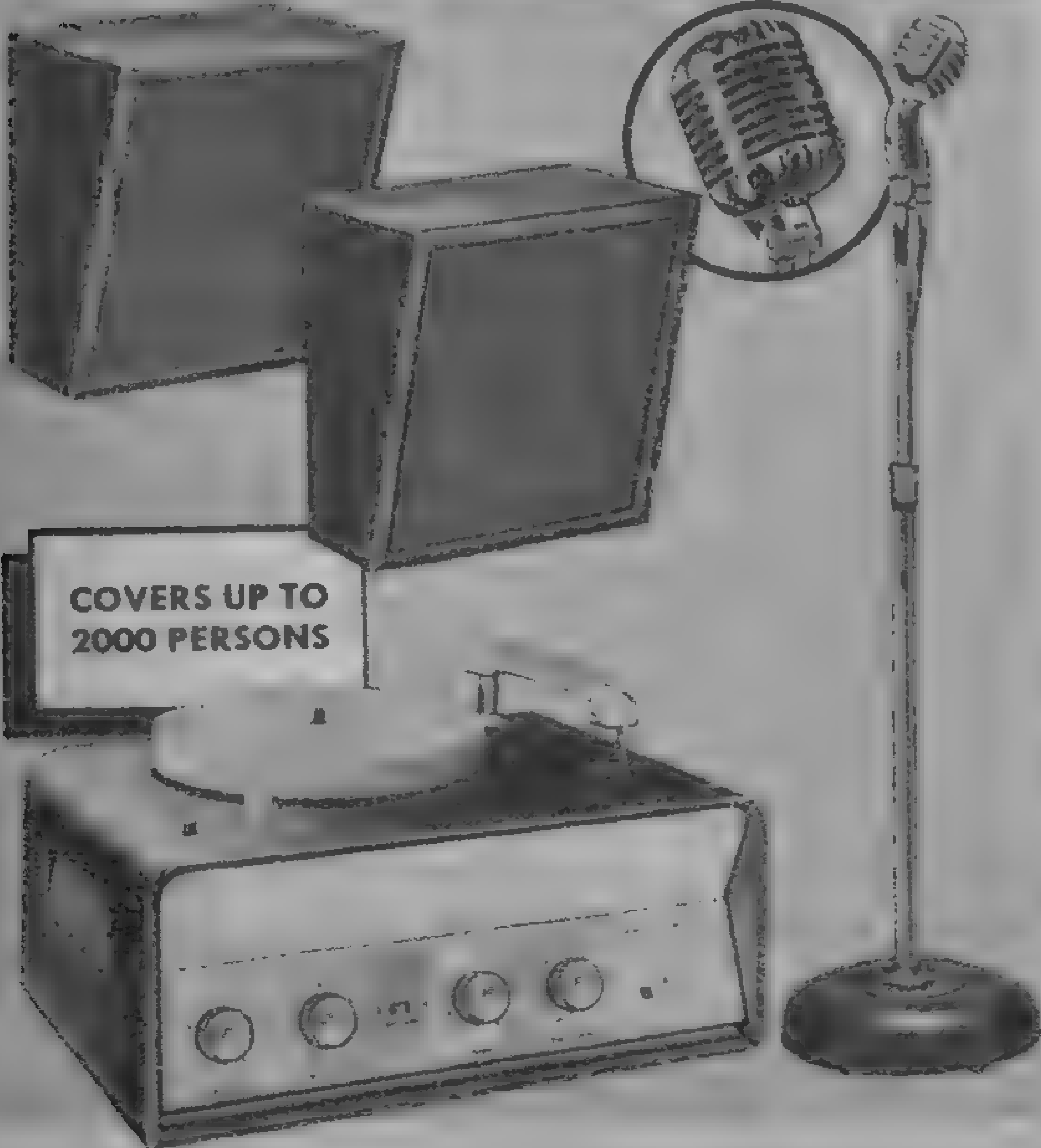
NET
$\$59^{95}$
$5 down

- Includes One Magnetic and Two Crystal Phono Inputs
- Tone, Phono Fader, and Two Microphone Controls
- Two Microphone Inputs; Five Tubes Plus Rectifier
- Functional Styling Matches Any Application

The Knight 32-Watt Amplifier is perfect for music, paging, general coverage under high-noise conditions and a multitude of other uses. Provides clear sound—response is ±2 db, 30-20,000 cps. 2 mike, 1 magnetic phono and 2 crystal phono inputs for great versatility. Has output taps of 4, 8, 16, 250 and 500 ohms plus 70.7-volt for use with up to 32 speakers. Features: phono-fader control for selection of either of 2 high-level program sources (tape recorder, changer or tuner) and phono, with volume control of each from a single knob; tape output for simultaneous recording and P.A.; impedance selector for greatly simplifying speaker hook-up; trumpet protector feature—protects trumpets from low-frequency burnout. Charcoal-black case with aluminum-luster panel. Size, 6½x15½x11". With all input plugs. Less record player, below. U.L. Approved. Made in U.S. For 110-120 volts, 60 cycle AC. Shpg. wt., 26 lbs.
35 DU 791. NET.................59.95

MODEL KN-3132 32-WATT AMPLIFIER WITH 4-SPEED RECORD PLAYER INSTALLED. As above, but with record-playing attachment. Shpg. wt., 28 lbs.
35 DU 792. *Only $5.00 Down.* NET.................79.50

KNIGHT 32-Watt Deluxe Sound System



LESS RECORD PLAYER
$\$137^{44}$
only $5 down

YOU SAVE $20.00

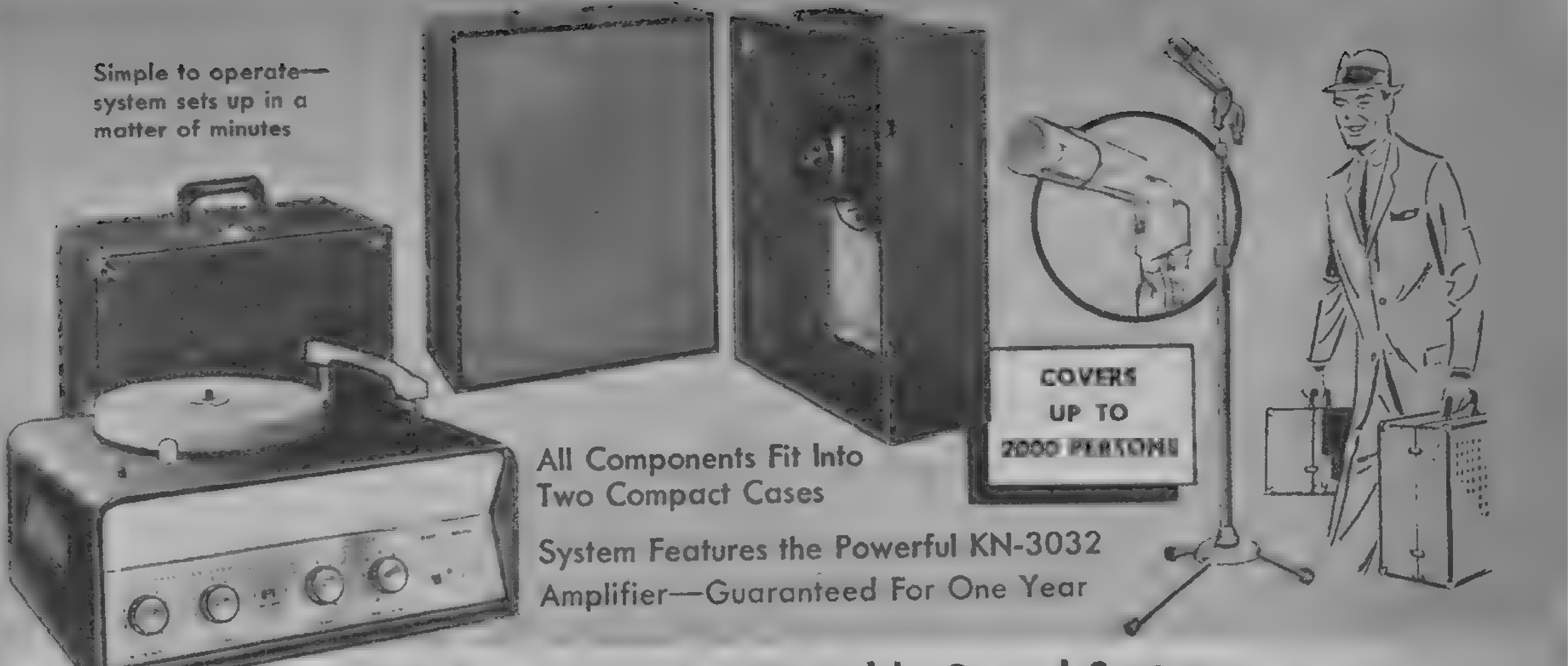
- Complete—Nothing Else To Buy
- Provision For Tuner, Recorder, etc.
- Heavy-Duty 12" Loudspeakers

Designed for medium-power applications—perfect for average-sized auditoriums, schools and churches. System includes: **Knight KN-3032 32-Watt Amplifier; Two Quam 12A10 Speakers; Two DWB-12A Baffles; Shure 55S Dynamic Microphone; Microphone Cable; Knight 3-section Microphone Stand; 50-Ft. Speaker Cable and Plugs.** System price offers substantial savings of $20.00.

The Knight 32-watt amplifier has provisions for future plug-in expansion of the system; controls and input jacks provided permit the addition of a tuner, tape recorder or extra microphone at any time. The deluxe wood wall baffles are finished in walnut to harmonize with any decor; heavy-duty 12" speakers. Shure's microphone has a cardioid pick-up pattern—excellent for both voice and music. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 70 lbs.
20 PA 705. *Only $5 Down.* NET.................137.44

SYSTEM WITH 4-SPEED PHONO. As above, but has record player installed on amplifier. Wt., 72 lbs.
20 PA 706. *You Save $20.00.* NET.................156.99

All Knight P.A. Equipment Is Guaranteed for One Full Year



Simple to operate—system sets up in a matter of minutes

All Components Fit Into Two Compact Cases

System Features the Powerful KN-3032 Amplifier—Guaranteed For One Year

ALLIED'S Finest 32-Watt Portable Sound System

LESS RECORD PLAYER

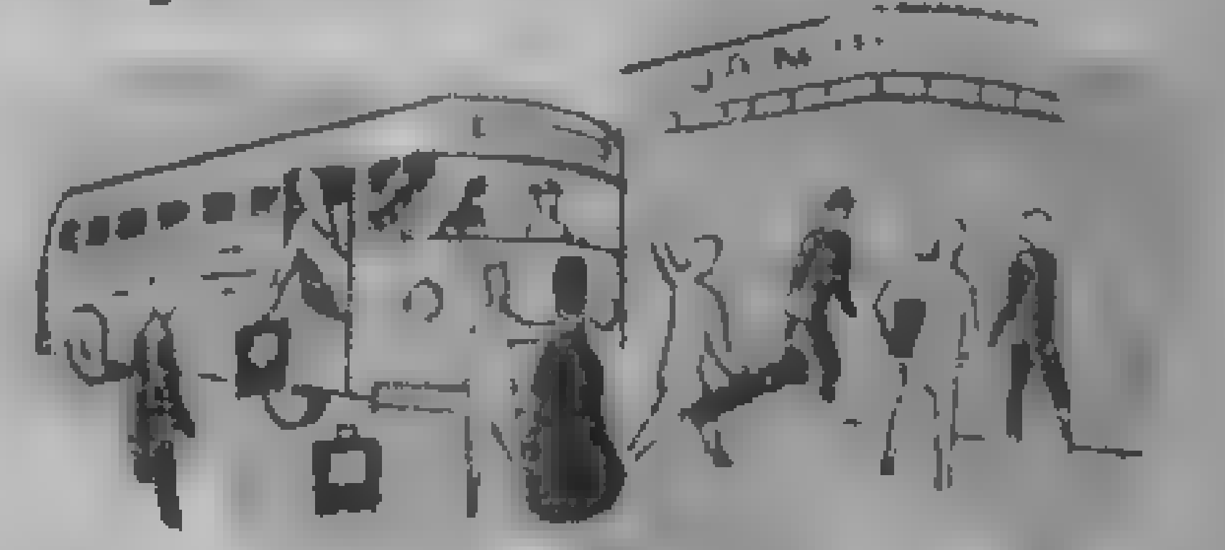
$164

$\$164^{87}$

only $5 down

Save $20.00 on Cost of Individual Components

- Powerful KN-3032 Amplifier Delivers Excellent Performance
- Heavy-Duty Jensen 12" Hi-Fi Speakers Provide Clean Response
- High-Quality, Cardioid-Pattern Dynamic Microphone



FOR TRAVELING DANCE BANDS

THEATER GROUPS

SCHOOL GATHERINGS

Combining power with versatility, this deluxe sound distribution system covers 90% of all portable P.A. requirements—and saves you $20.00. Two perfectly balanced carrying cases contain the entire system, making it easy to transport and set up in a jiffy. System includes: **Knight KN-3032 32-Watt Amplifier; E-V 664 Dynamic Microphone; Microphone Cable; Atlas CS-33 Mike Floor Stand; Two Heavy-Duty 12" Speakers,** each rated at 25 watts, installed in a **Carrying Case** that comes apart to form two separate baffles for the speakers within; and **two 30-Ft. Speaker Cables with Plugs.**

Set it up in minutes—it readily adapts itself to any job, big or small. Ruggedly constructed for long, dependable service. Contrasting off-white and charcoal-gray speaker case is 20x16x13¾"; charcoal amplifier case is 12x16½x9¼". For 110-120 volts, 60 cycle AC. Shpg. wt., 84 lbs.
20 PA 703. *Only $5 Down.* NET............................164.87

SYSTEM WITH 4-SPEED PHONO. As above, but has record player mounted on amplifier. *You save $20.00.* Shpg. wt., 86 lbs.
20 PA 704. *Only $5 Down.* NET............................184.42

KNIGHT Standard 32-Watt Portable Sound System

LESS RECORD PLAYER

$\$126^{83}$

only $5 down

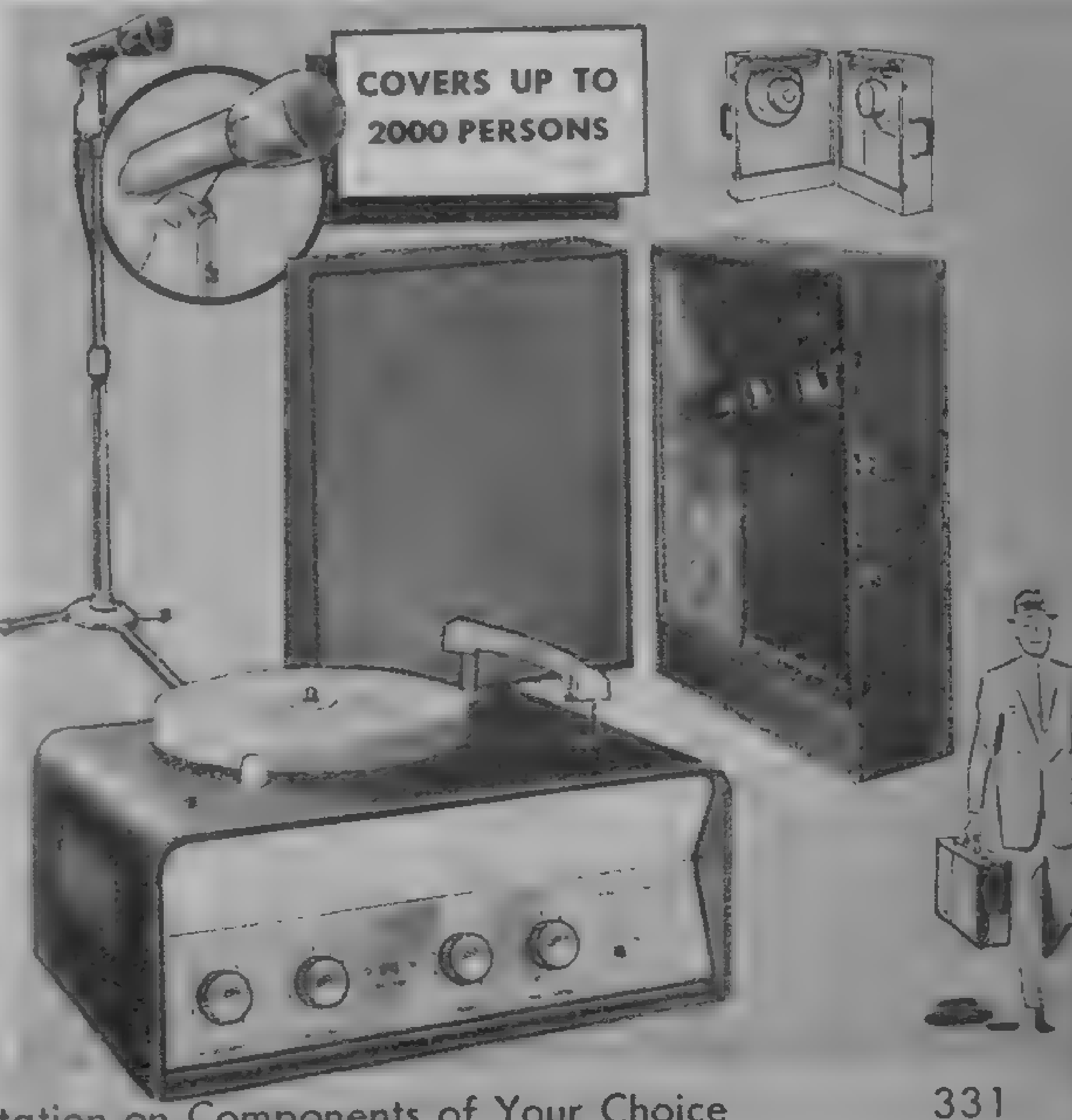
YOU SAVE $15.00

- All Gear Packs In A Single Case
- Complete With All Cables, Plugs, etc.
- Amplifier Guaranteed For One Full Year

A complete, *one-case* 32-watt portable sound system at $15.00 savings on the individual prices of components. Sets up in just a few moments; packs away easily. System includes: popular **Knight KN-3032 32-watt Amplifier; E-V 951 Crystal Cardioid Microphone; Atlas CS-33 Mike Floor Stand; Mike Cable;** two powerful **Quam 12A10 12" P.A. Speakers with 25-Ft. Cables and Plugs.**

Carrying case separates into two individual baffles when opened. Speaker-amplifier case has attractive blue-green and ivory leatherette covering, with matching plastic grille. Size (HWD): 24x18½x12¼". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 55 lbs.
20 PA 701. *Only $5 Down.* NET..............126.83

SYSTEM WITH 4-SPEED PHONO. Same as above, but with 4-speed record player mounted on amplifier. Ceramic cartridge, installed in player, is unaffected by heat and humidity. System is ideal for general indoor or outdoor P.A. use. Allied's famous system price brings you savings of $15.00. Shpg. wt., 57 lbs.
20 PA 702. *Only $5 Down.* NET..............146.38

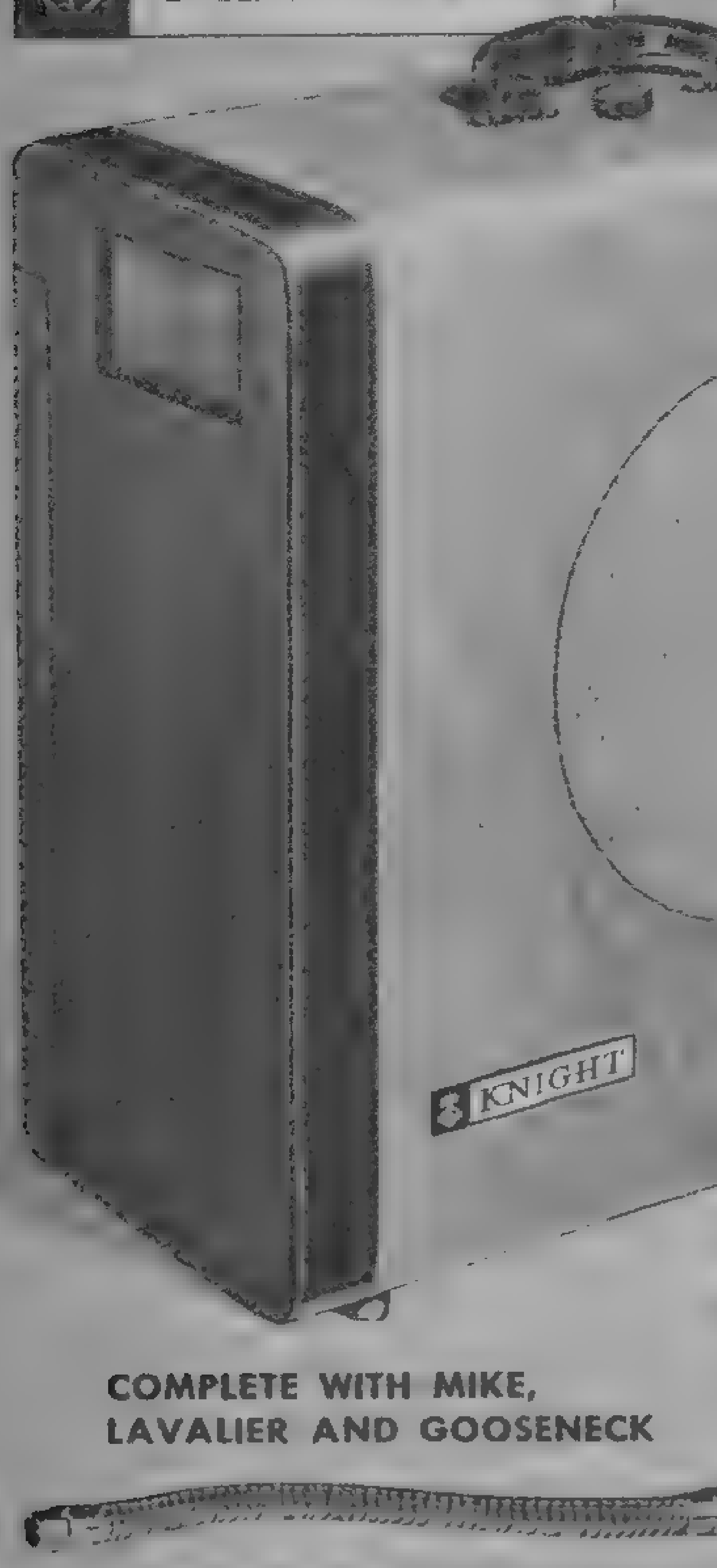


Write to Allied for P.A. System Price Quotation on Components of Your Choice

KNIGHT

Unique Podium Sound System

CORDLESS—BATTERY-POWERED



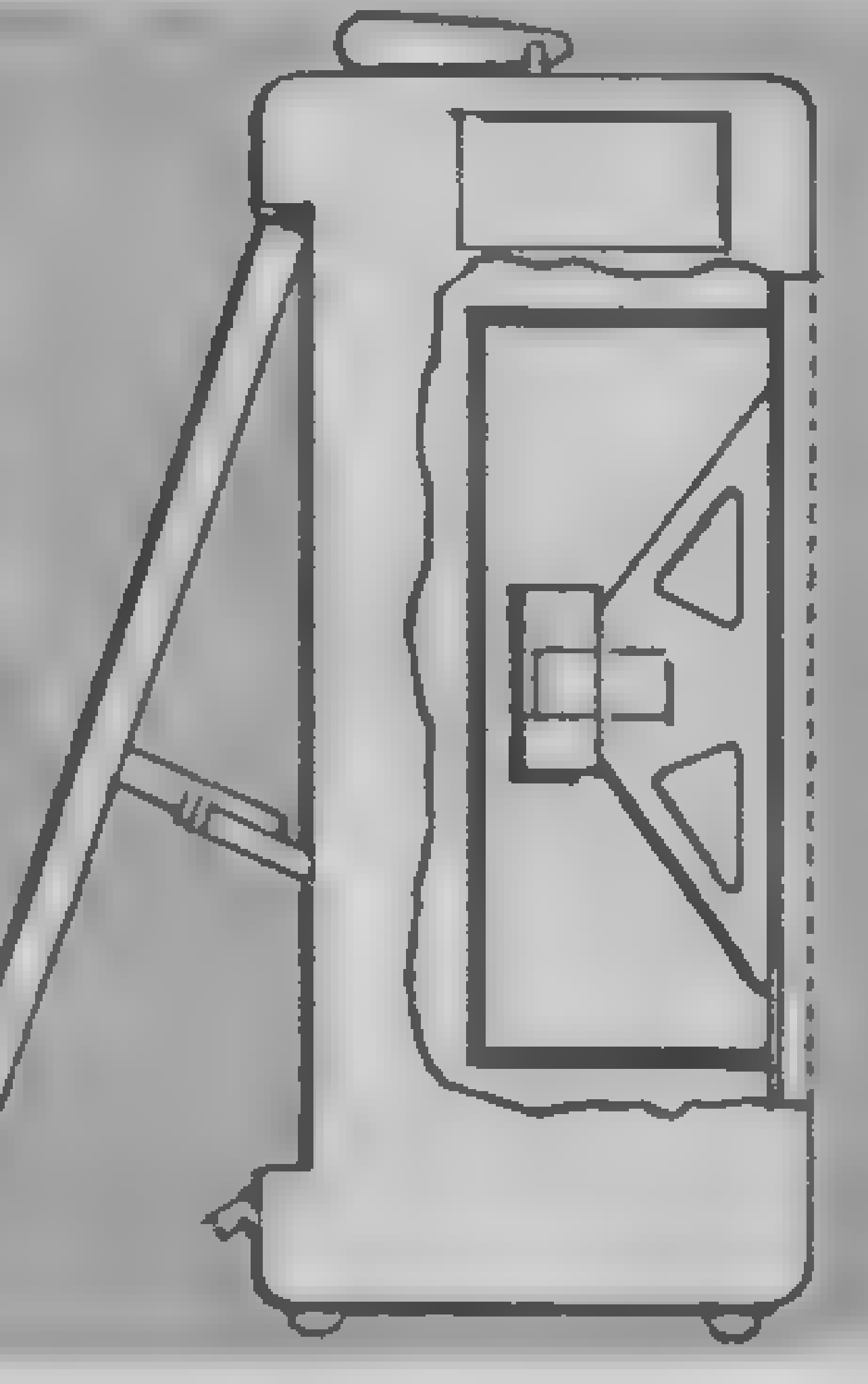
COMPLETE WITH MIKE, LAVALIER AND GOOSENECK

KN 3500

Shure "Commando" All-Directional Microphone

READY FOR USE IN SECONDS

Easiest-to-use system ever! No wires, cords or cables. Entire system is complete in a single case.



ANTI-FEEDBACK CHAMBER WITH 8" WIDE-RANGE SPEAKER—NO HOWLING!

Truly outstanding, functional design. 8" wide-range, heavy-duty speaker installed in special anti-feedback chamber produces clean sound without annoying howls and distortion.

KN-3500 All-Transistor *Cordless* Sound System

NET
$99.50
$5 down

- Speaker-Baffle Converts to Podium With Gooseneck Supplied
- Sets Up Immediately—No Warmup Time Required
- Lightweight and Easy to Handle; Carry It Anywhere
- Fully Guaranteed Against Defects In Parts And Workmanship

The sensational KN-3500 "cordless" system now makes P.A. simpler and more convenient than ever before. This complete, battery-operated system does not need wires, cords or cables—it gives long service using two popular lantern batteries. No waiting till it "warms-up," either. As soon as unit is turned on it is ready for immediate use. Gives excellent service in a wide variety of applications, including meetings, trade show exhibits, rallies, etc. System includes: battery-operated transistor amplifier with over 10 watts output; Shure "Commando" microphone with lavalier cord; carrying case with built-in baffle and 8" wide-range speaker, plus adapter for easy attachment of gooseneck. Just place microphone in "gooseneck" and carrying case becomes attractive speaker's podium.

Unit runs on easily-replaceable lantern batteries (listed below). If desired, system can be converted to 110-120 volt use by adding an AC Power Supply (below). All-directional mike has response of 60-10,000 cps; can be hand-held or suspended from neck. Attractive, two-tone gray case. 16½x18⅛x8". Less batteries. Made in U.S. Shpg. wt., 27 lbs.

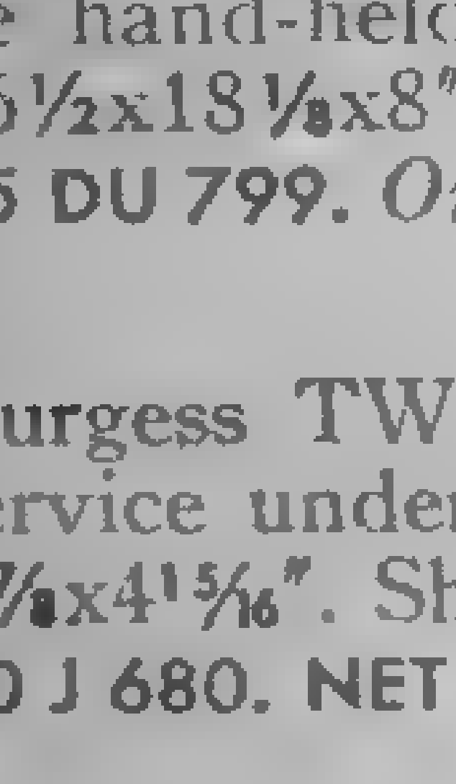
35 DU 799. *Only $5 Down.* NET 99.50

BATTERIES FOR ABOVE

Burgess TW-1, six-volt lantern battery. Two required. Give months of service under normal operating conditions. Easily replaceable. Size, 5⅜x 2⅞x4¹⁵⁄₁₆". Shpg. wt., 3¼ lbs.

80 J 680. NET EACH 1.83

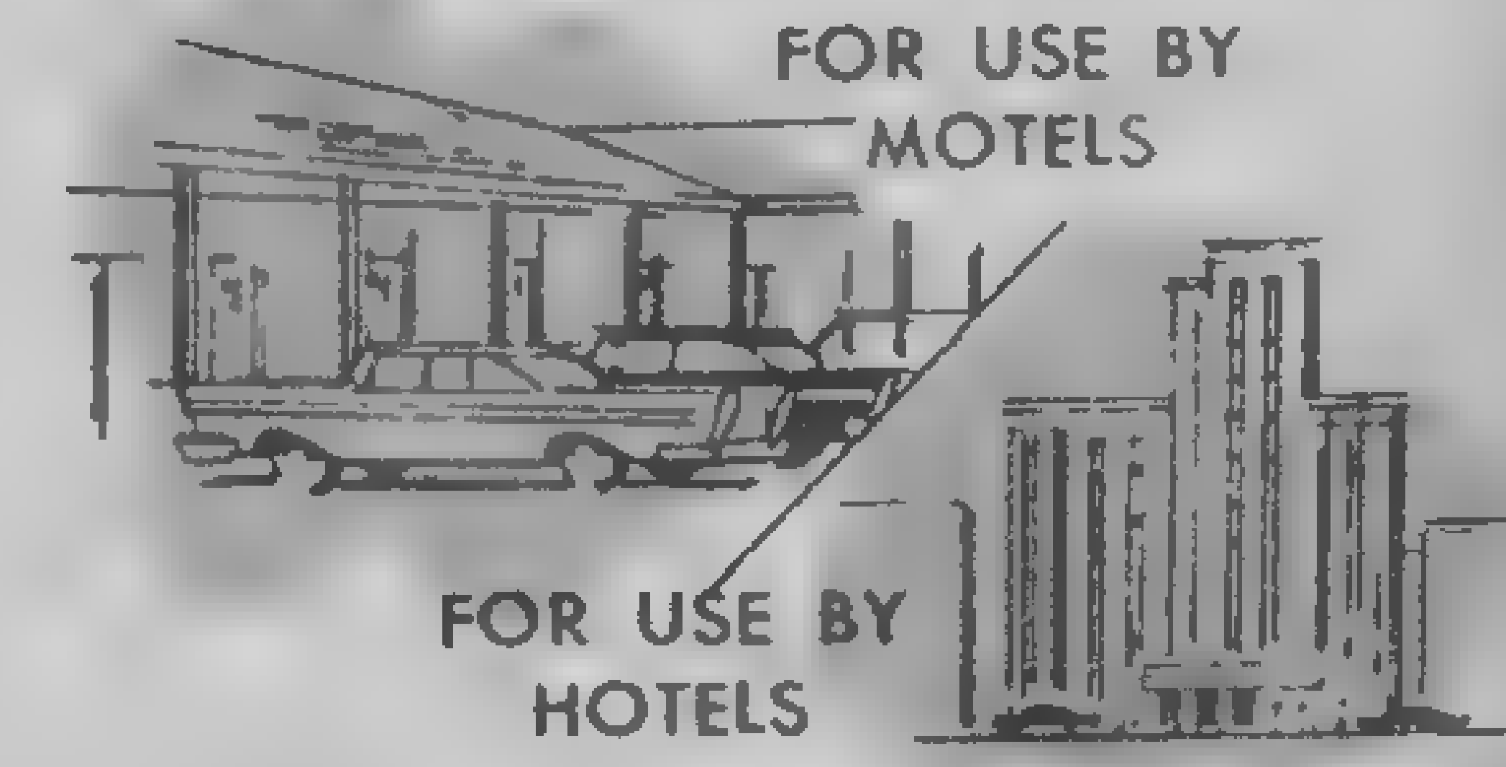
AC POWER SUPPLY



Converts KN-3500 system for convenient, indoor 110-volt, AC use. Two screws permit easy mounting inside case. Simple, plug-in electrical connections. Shpg. wt., 12 lbs.

35 D 733. NET 27.95

PERFECT FOR CONFERENCE ROOMS



Add the KN-3500 to your hotel or motel facilities. When you rent your conference rooms, you can also offer patrons this efficient sound system. It's sure to pay for itself quickly. For better meeting room utilization— bigger profits—get the KN-3500.

FOR SALES PROMOTION AT TRADE SHOWS

Gets your message across clearly to exhibit visitors. Lightweight and easy to carry, it occupies a minimum of precious space. Boost your firm's sales potential with the KN-3500.

USE ALLIED'S
EASY PAY PLAN
SEE PAGE 436

KNIGHT

Medium-Power Systems

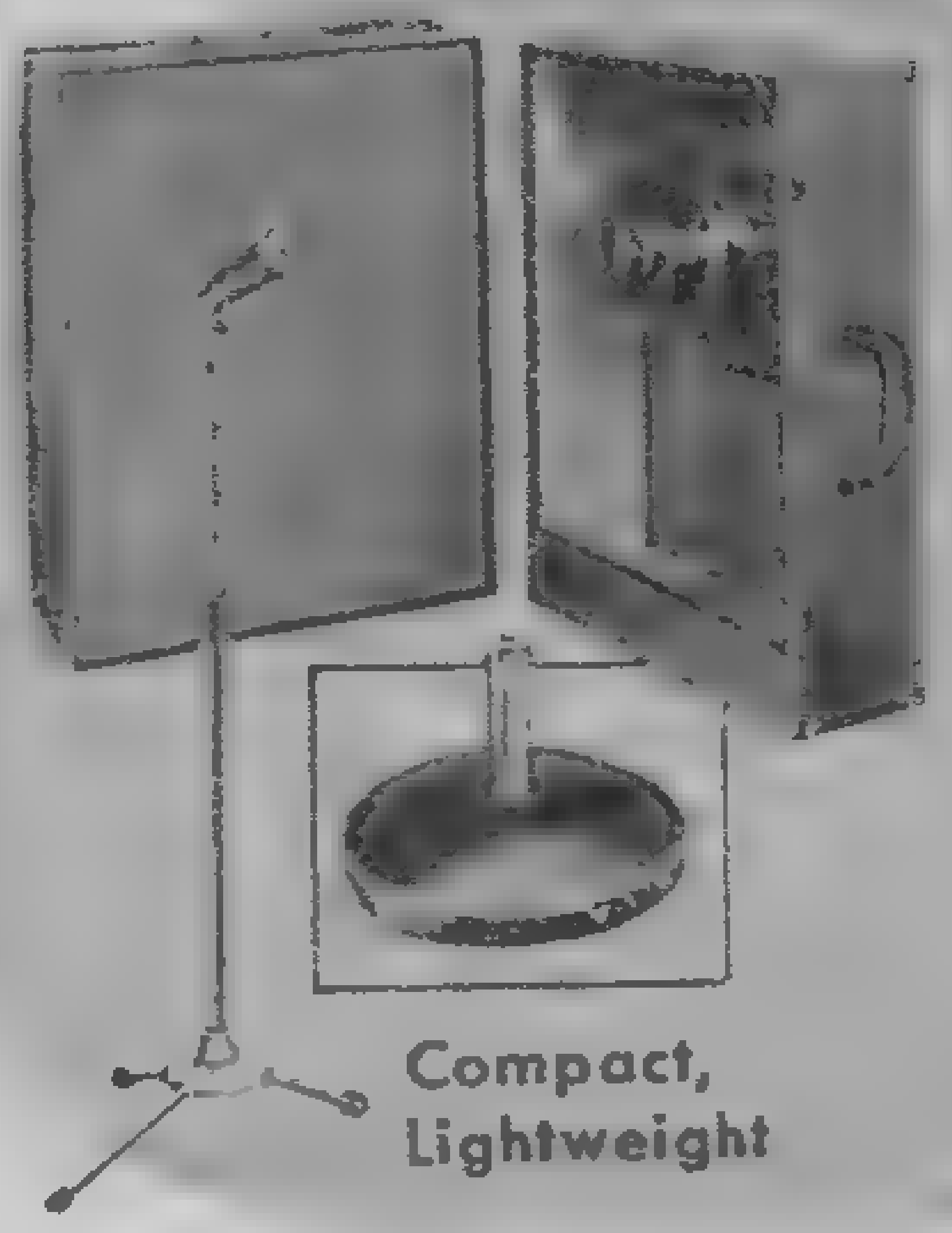
KN-3016 16-Watt Amplifier

Less Phono
$49⁹⁵
$2 down

Dependable performer for use in smaller auditoriums and halls, school recreation rooms, etc. Tape output jack allows simultaneous recording and PA use; phono fader allows increase or decrease of volume of either phono input. Accommodates up to 16 speakers. Response, ±2 db, 30-15,000 cps. Microphone and two phono inputs. Output impedances, 4, 8, 16, 250 and 500 ohms, plus 70.7-volt. Case is black with aluminum and white panel. 6½x15½x11". With all input plugs. Less record player (below). For 110-120 v., 60 cycle AC. Made in U.S. 25 lbs.

35 DU 789. *Only $2 Down.* NET...........49.95

KN-3116. Above, with phono installed. 28 lbs.
35 DU 790. *Only $5 Down.* NET............69.50



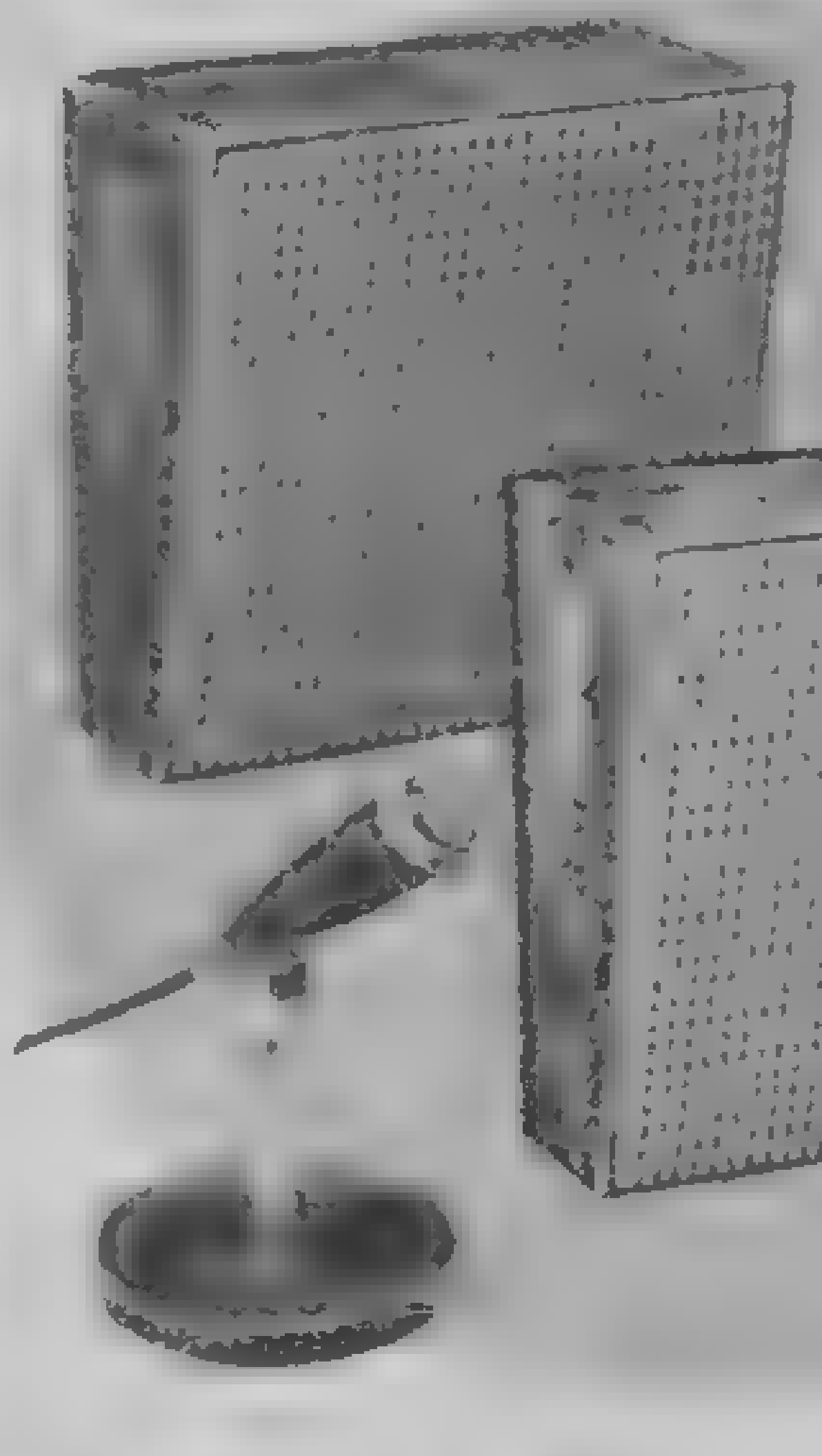
Compact, Lightweight

16-WATT PORTABLE SYSTEM FEATURING KN-3016

System savings, $10.00. Top P.A. coverage wherever you go. Includes: Knight KN-3016 Amplifier; two Quam 12A10 Heavy-Duty Speakers; KN-4500 All-Directional Dynamic Microphone; Atlas CS-33 Microphone Floor Stand; Knight Combination Speaker-Amplifier Case; and 50-ft. Speaker Cable. Case separates to form two baffles. For 110-120 v., 60 cycle AC. 61 lbs.

20 PA 709. *$5 Down.* NET.117.67

ABOVE WITH RECORD PLAYER INSTALLED. Shpg. wt., 64 lbs.
20 PA 710. *$5 Down.* NET..137.22



Ideal For Cafeterias, Meeting Rooms, etc.

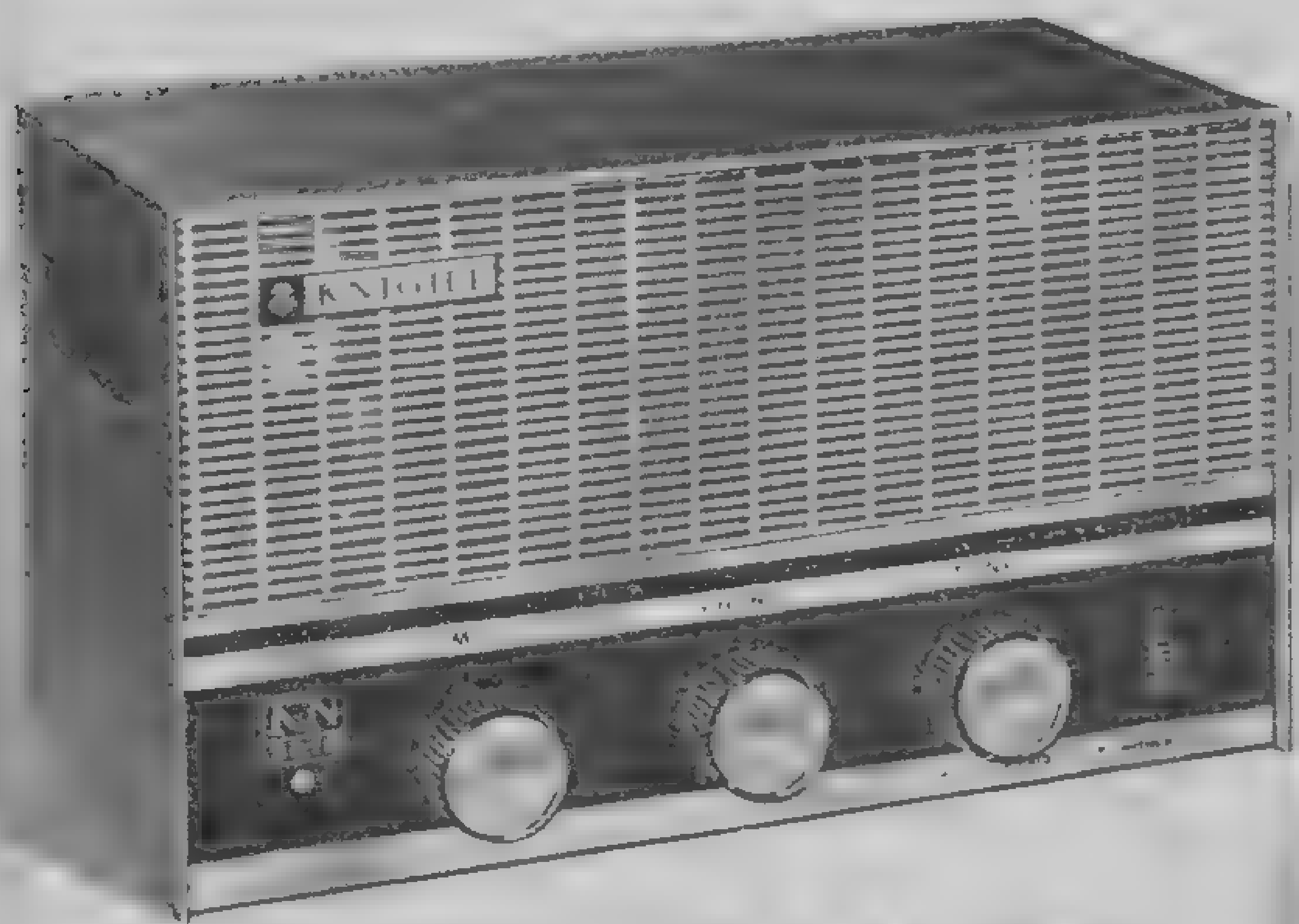
16-WATT INDOOR SYSTEM FEATURING KN-3016

System savings, $11.00. Excellent coverage in medium-size areas. System includes: Knight KN-3016 Amplifier; two Quam 12A10 Heavy-Duty P.A. speakers; Knight KN-4500 All-Directional Dynamic Microphone supplied with desk stand; Two Argos DWB-12A Wall Baffles; and 50 ft. of Speaker Cable. Baffles have wood-grain pyroxylin covering; may be repainted. For 110-120 volts, 60 cycle AC. 47 lbs.

20 PA 707. *$5 Down.* NET.105.24

ABOVE WITH RECORD PLAYER INSTALLED. Shpg. wt., 50 lbs.
20 PA 708. *$5 Down.* NET.124.79

Low-Level Sound Systems

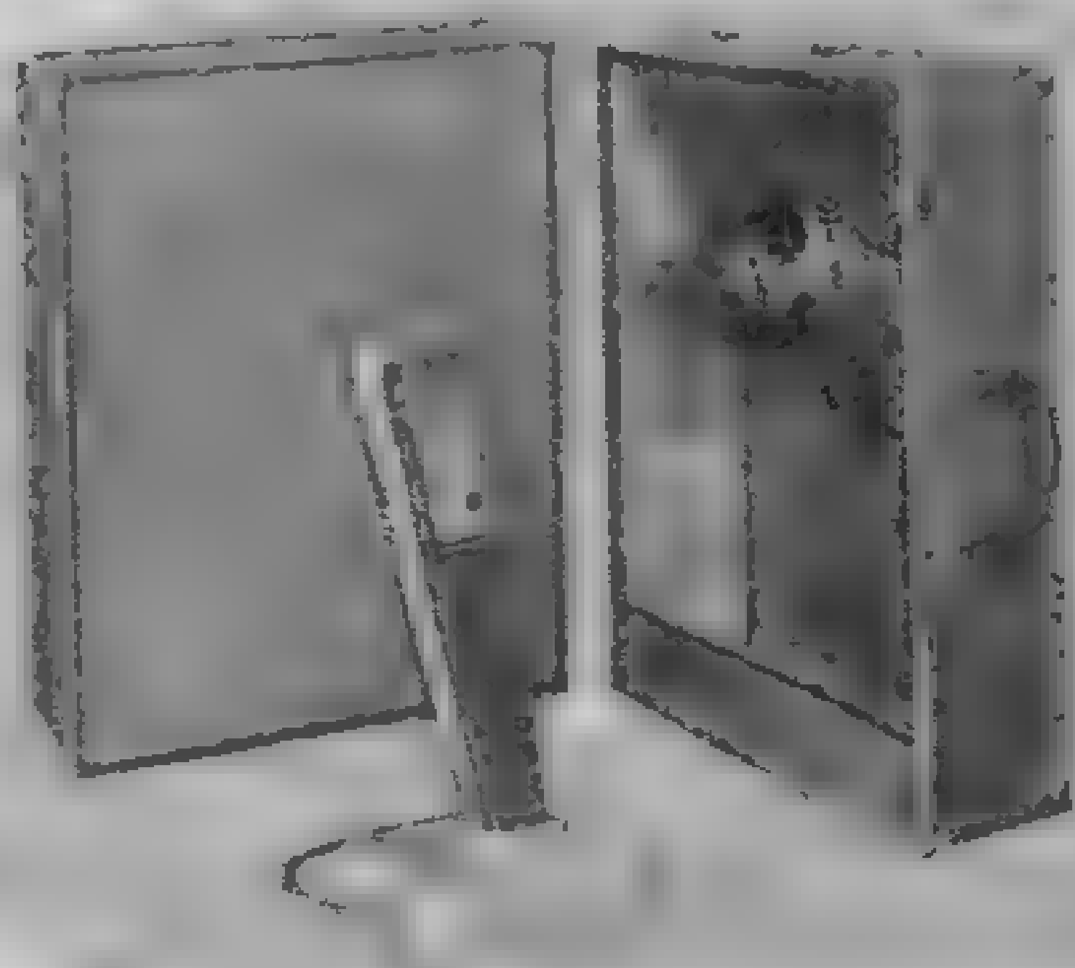


New KN-3010 10-Watt Amplifier

NET
$29⁹⁵
$2 down

Compact, low-cost amplifier that's ideal for use in low noise-level areas. Skillfully engineered, it delivers smooth, clear reproduction of speech and music. Excellent for carnivals, bazaars, sales demonstrations and auctions, etc. Tape output jack for direct recording while in use. Frequency response, ±2 db, 70-10,000 cps. Single mike input; single phono input accepts any crystal or ceramic phono cartridge, radio tuner or tape recorder. Controls: Mike volume, phono volume and tone. Output impedances, 4, 8, 16, 500 ohms and 70.7-volt. Styled in charcoal and aluminum. 6⅛x10x5½". For operation from 110-120 v., 50-60 cycle AC. Made in U.S. Shpg. wt., 12 lbs.

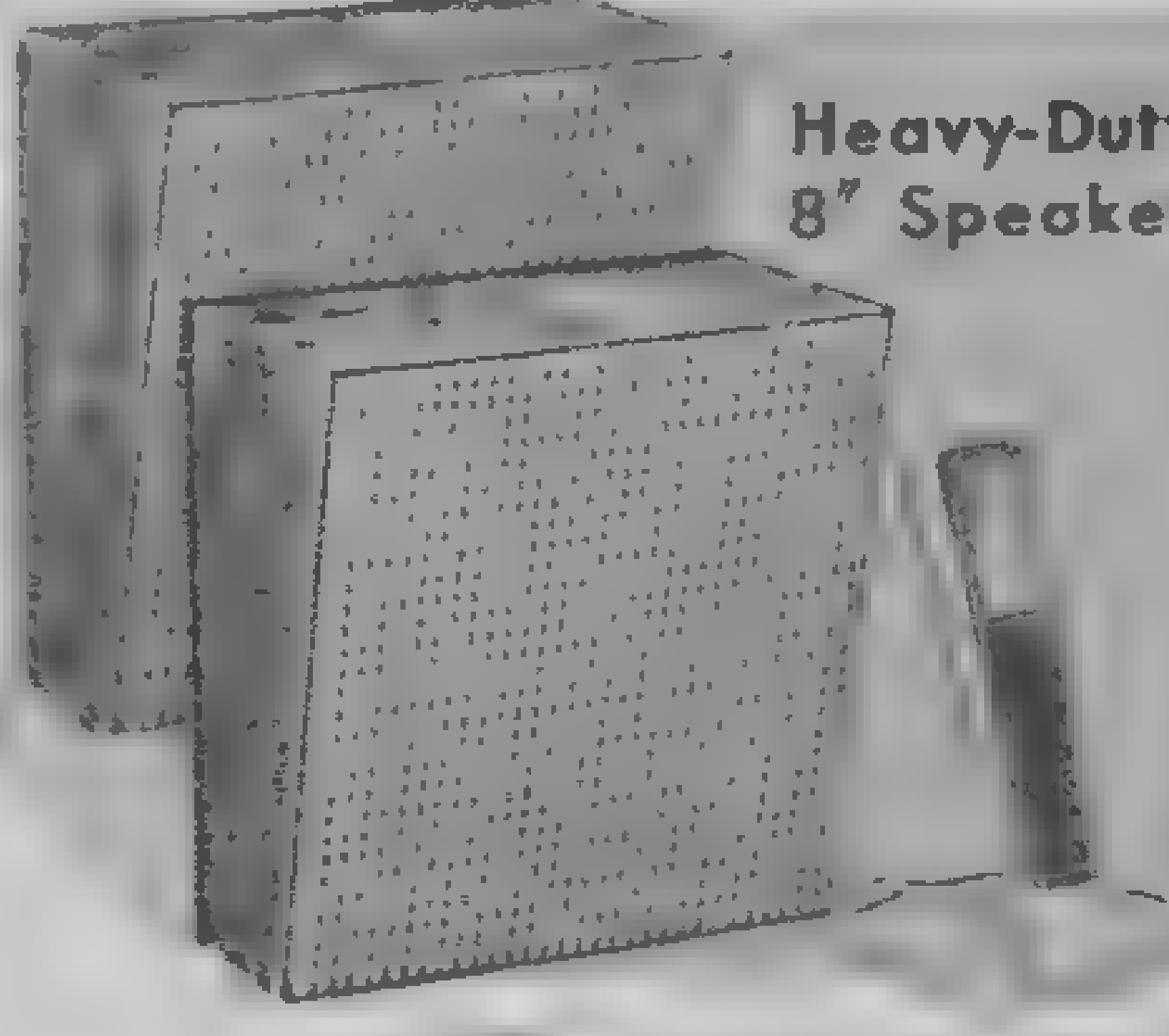
35 DX 788. *$2 Down.* NET...............29.95



LOW-COST 10-WATT PORTABLE SYSTEM

System savings, $6.00. Ideal for auctioneers, sales demonstrations, etc. System includes: Knight KN-3010 Amplifier; E-V 727 All-Directional Mike; Heavy-Duty 8" Speaker; 50' of Speaker Cable; and combination Baffle-Carrying Case. For operation from 110-120 v., 60-cycle AC. Shpg. wt., 30 lbs.

20 PA 712. *$5 Down.* NET..66.45

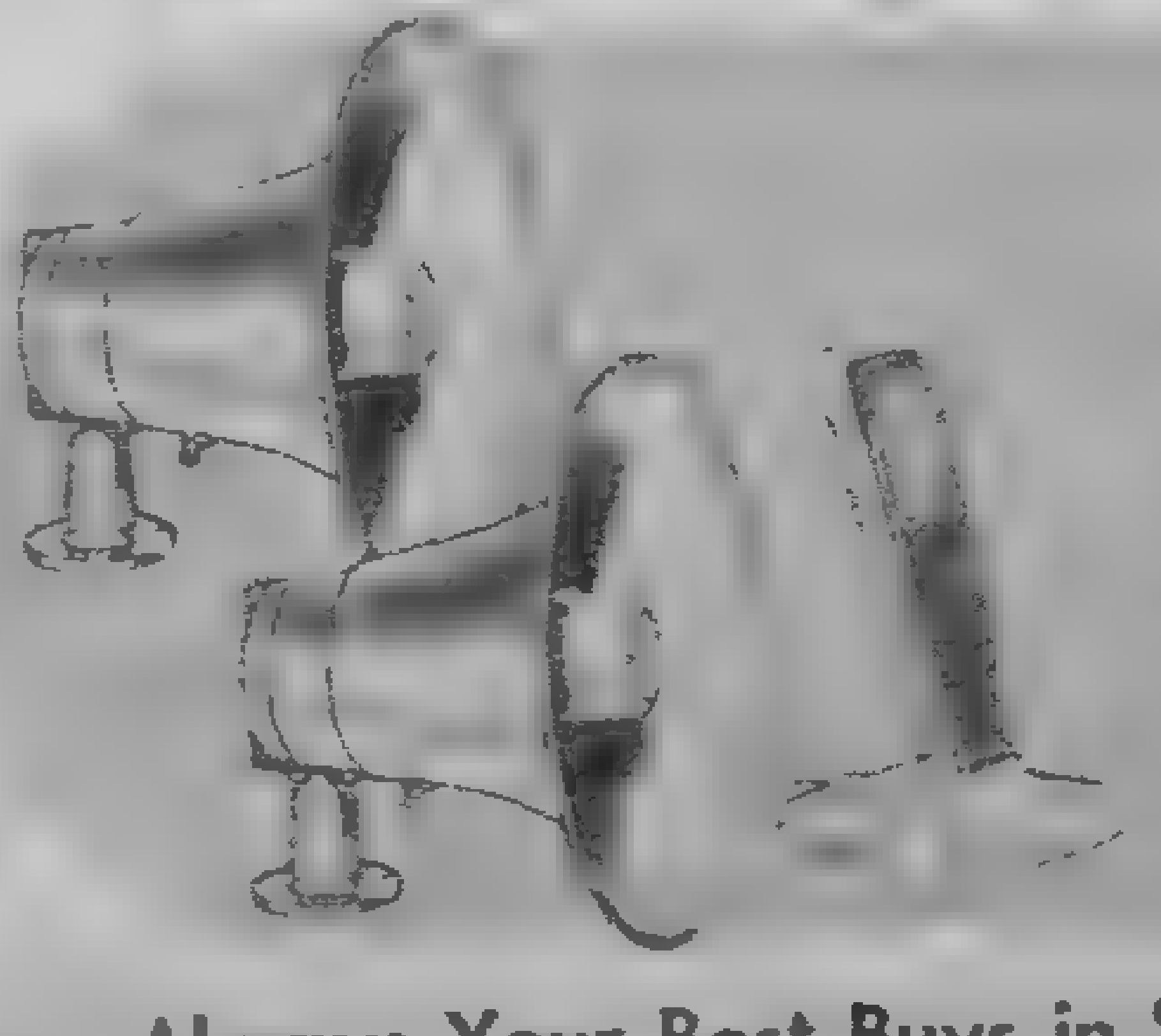


Heavy-Duty 8" Speakers

INDOOR 10-WATT PERMANENT SYSTEM

System savings, $6.00. For dining rooms, halls, etc. System includes: Knight KN-3010 10-Watt Amplifier; E-V 727 All-Directional Mike; two Heavy-Duty 8" Speakers; 50' of Speaker Cable; and two Argos DWB-8A Baffles. For 110-120 v., 60 cycle AC. Shpg. wt., 27 lbs.

20 PA 711. *$5 Down.* NET..66.21



10-WATT INDUSTRIAL SOUND SYSTEM

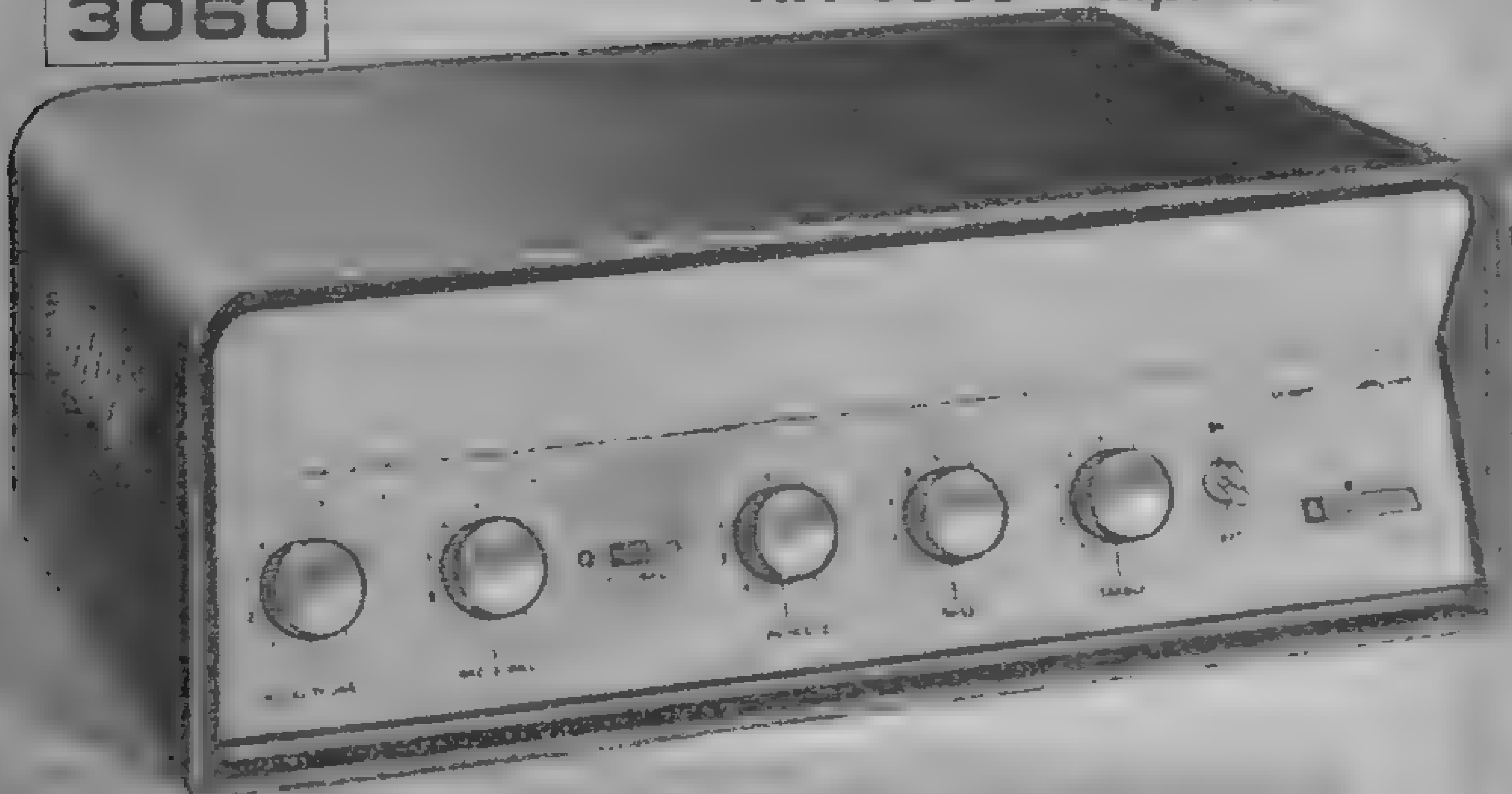
System savings, $5.00. Excellent for small plants, workrooms, yards, etc. System includes: Knight KN-3010 Amplifier; Electro-Voice 727 All-Directional Mike; 50' of Speaker Cable; plus two University MIL-A8 Trumpets. For 110-120 v., 50-60 cycle AC. Wt., 20 lbs.

20 PA 713. *$5 Down.* NET..71.41

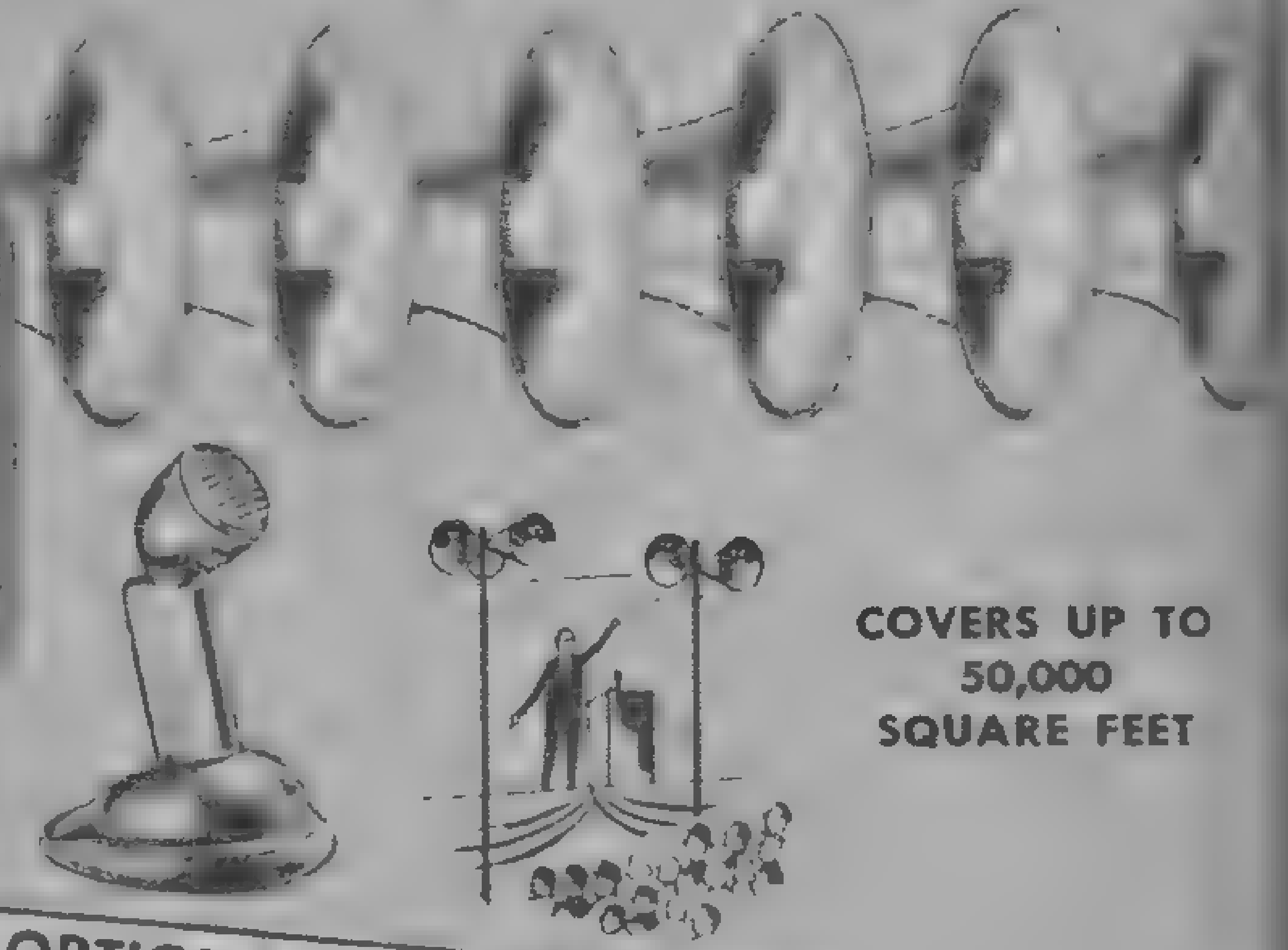
Super-Power 60-Watt Paging Systems

KN 3060

Featuring the Versatile KN-3060 Amplifier

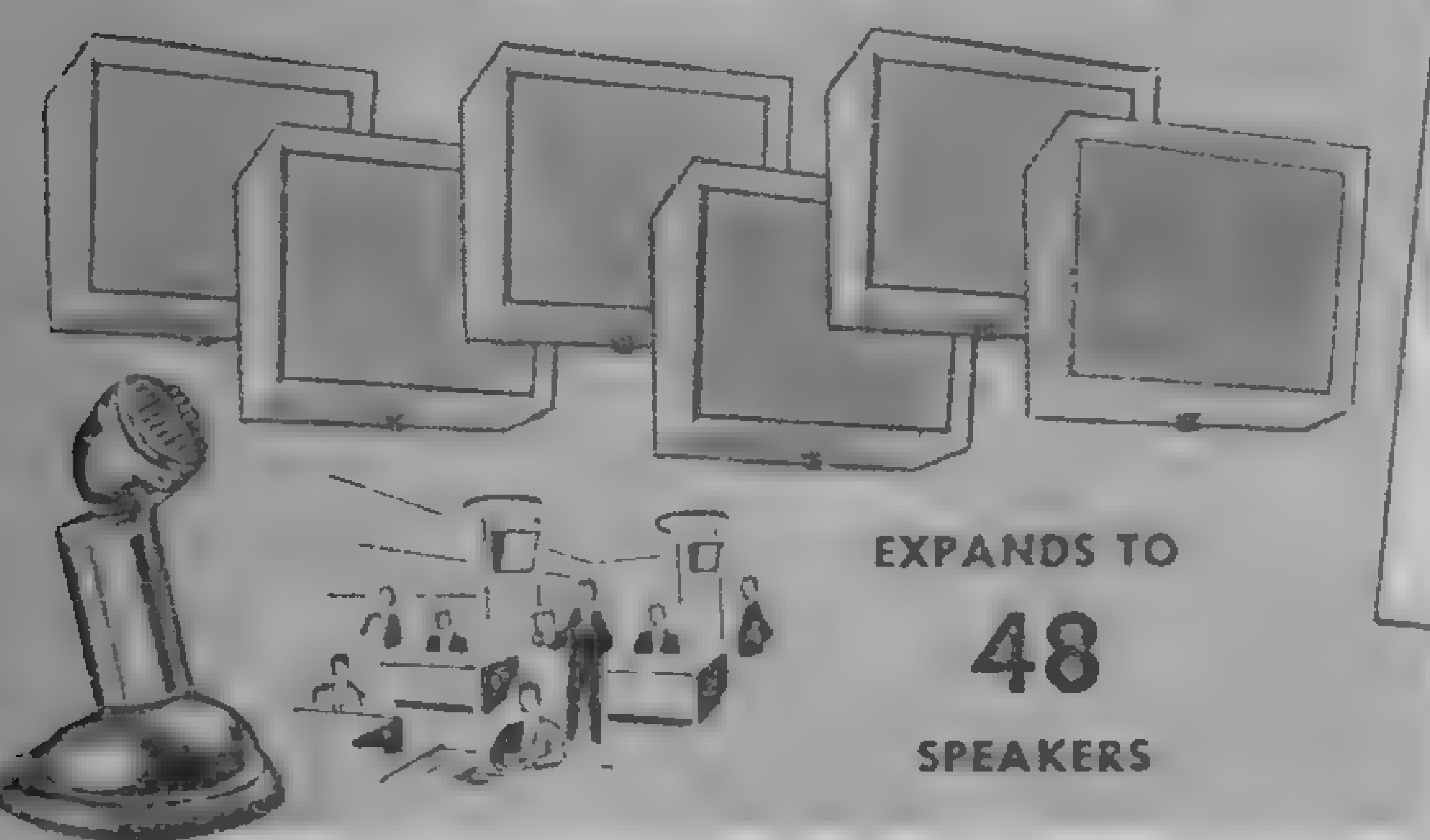


OUTDOOR SOUND SYSTEM



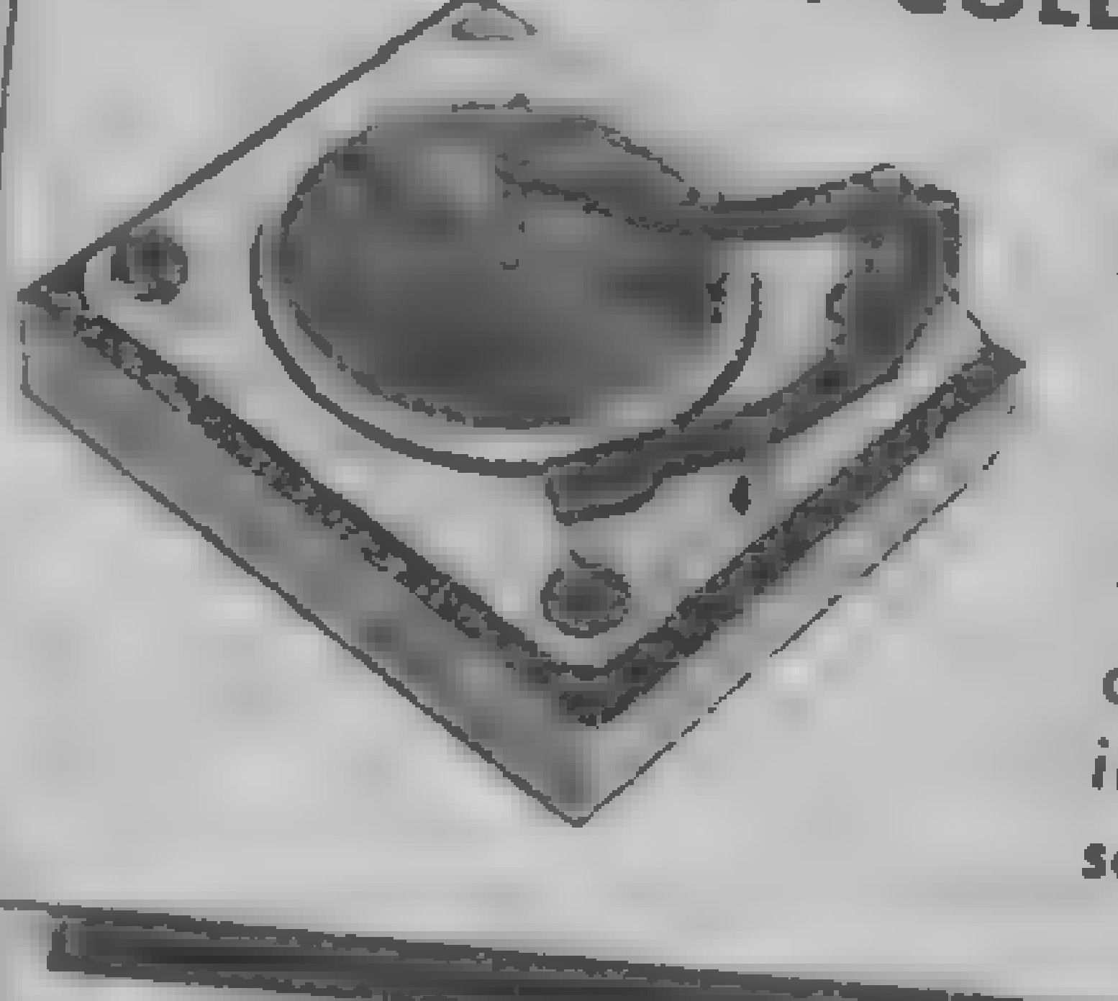
COVERS UP TO 50,000 SQUARE FEET

VOICE-AND-MUSIC SYSTEM



EXPANDS TO 48 SPEAKERS

OPTIONAL COLLARO CHANGER



FOR VOICE-AND-MUSIC SOUND SYSTEMS

For added versatility, order your sound system with the Collaro hi-fi 4-speed record changer with base. See listings under voice-and-music sound systems (below left).

INDOOR VOICE-AND-MUSIC SOUND SYSTEMS
SAVE ON COST OF INDIVIDUAL COMPONENTS

6-SPEAKER SYSTEM. A splendid choice for indoor paging and music distribution. System includes: **Knight KN-3060 60-Watt Amplifier; Shure 520SL Microphone on Stand; 6 Utah 70.7-Volt Speaker-Baffle Combinations,** each with separate volume control. Less speaker cable below, right. **Specify mahogany or blonde baffle finish.** For 110-120 v., 60 cycle AC. Shpg. wt., 84 lbs.
20 PA 717. *Save $12.00.* NET 199.11

6-SPEAKER SYSTEM WITH COLLARO TSC-740 CHANGER. Includes cartridge. **Specify mahogany, blonde or walnut base.** Shpg. wt., 102 lbs.
20 PA 718. *Save $15.00.* NET 252.54

12-SPEAKER SYSTEM. Identical to 6-speaker system but with 12 Utah Speaker-Baffle combinations. 126 lbs.
20 PA 719. *Save $15.00.* NET 291.81

12-SPEAKER SYSTEM WITH COLLARO TSC-740 CHANGER. Specify mahogany, blonde or walnut base. 144 lbs.
20 PA 720. *Save $18.00.* NET 345.24

OUTDOOR VOICE PAGING SYSTEMS
SAVE ON COST OF INDIVIDUAL COMPONENTS

6-SPEAKER SYSTEM. Designed to provide exceptional coverage where large outdoor areas must be blanketed with sound. System includes: **Knight KN-3060 60-Watt Amplifier; Shure 520SL Microphone on Stand; 6-University IBA-8 Trumpets with 70.7-Volt Transformers.** With speaker mounting brackets, operation from 7-ft. mike cable. Less speaker cable, below right. For 110-120 v., 60 cycle AC. Shpg. wt., 72 lbs.
20 PA 715. *Save $17.00.* NET 234.61

12-SPEAKER SYSTEM. Identical to 6-speaker system above, but with 12 IBA-8 trumpets. 102 lbs.
20 PA 716. *Save $29.00.* NET 358.81

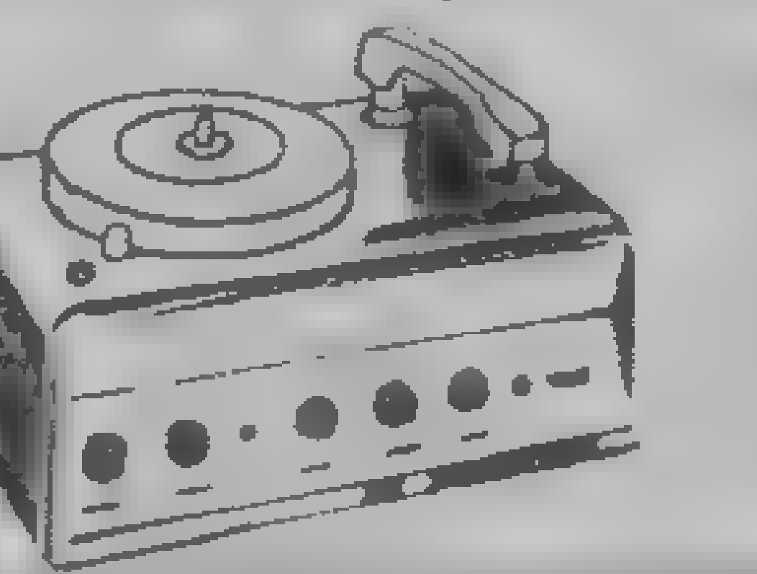
KNIGHT KN-3060 60-Watt Amplifier

NET **$88.95**
$5 down

- Tremendous Power—Low Distortion
- Screwdriver Speaker Connections
- Fills the Need for Any Sound Job
- Overcomes High Noise Levels

Expertly designed to give you the most for your P.A. dollar, this 60-watt amplifier is recommended for stadiums, plants, schools—wherever maximum coverage is necessary. There's hardly a job it cannot do—and with the aid of the 60-watt power booster, listed on the facing page, its P.A. uses are nearly limitless. Superior features include: protector switch to guard against trumpet burnout; fader control for smooth transition between phono inputs; hum balance adjust; etc.

Response: ±2 db, 20-20,000 cps. *Hum:* 71 db below rated output. *Controls:* Mic (2); Phono Fader; Bass; Treble; Mic/Mag switch; Off-On. *Impedances:* 4, 8, 16, 250, 500 ohms plus 70.7 v. All-metal black case; white and aluminum panel. 6⅞x17¼x11". With input plugs. U.L. Approved. For 110-120 v., 60 cycle AC. Made in U.S. Shpg. wt., 37 lbs.
35 DU 794. *Only $5 Down.* NET 88.95



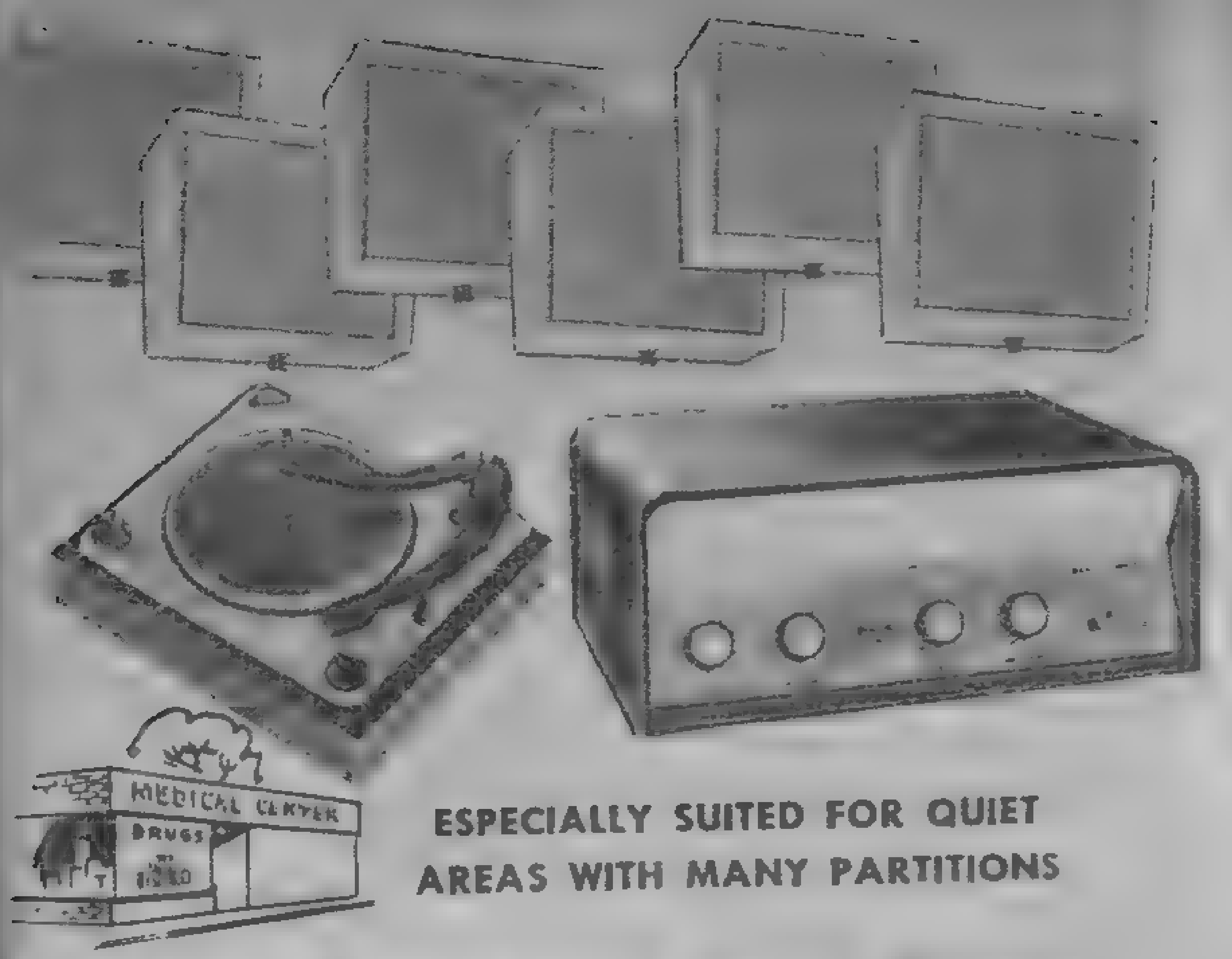
MODEL KN-3160. Same as above, but with 4-speed record player installed for added versatility. Shpg. wt., 39 lbs. *$5 Down.*
35 DU 795. NET 108.50

RECOMMENDED SPEAKER CABLE

In humid or dusty atmospheres, use outdoor type

OUTDOOR SPEAKER CABLE. 100-ft. coil. 7 lbs.
47 W 549. NET, Per 100 Feet ....

POSJ INDOOR SPEAKER CABLE. 100-ft. coil. 3 lbs.
48 W 763. NET, Per 100 Feet ....



ESPECIALLY SUITED FOR QUIET AREAS WITH MANY PARTITIONS

32-Watt Background Music System

NET
$194.08
$5 down

Tailored to provide low-level, full-fidelity background music throughout offices, stores and restaurants, medical centers, etc. System includes: **Knight KN-3032 32-Watt Amplifier; 6 Utah 70.7-Volt Speaker-Baffle Combinations; Collaro TSC-740 4-Speed Record Changer on Base; Sonotone Ceramic Cartridge with Diamond and Sapphire Styli Installed. Specify mahogany, blonde or walnut base.** Each speaker has its own volume control and is pre-wired and ready for quick installation. **Specify mahogany or blonde baffle finish.** Less speaker cable, see facing page. Allied's system price saves you $18.00 over the individual cost of components. For 110-120 volts, 60 cycle AC. Shpg. wt., 86 lbs.

20 PA 714. *Specify Finish.* **NET** . . . 194.08

COVERS UP TO 1 SQUARE MILE AREA

60-Watt Church Tower System

NET
$309.42
$10 down

Designed for electronic chime or carillon installations in church towers. Offers ample power and fidelity to cover a 1 mile area with pleasing, high-quality reproduction. Save $30.00 over the total cost of individual components. This matched system includes: **Knight KN-3060 60-Watt Amplifier; 4—E-V 848CDP Speakers; Collaro TSC-740 4-Speed Changer on Wood Base; Sonotone Ceramic Cartridge with Diamond and Sapphire Styli Installed.**

Less speaker cable, see outdoor type on opposite page. **Changer base in mahogany, blonde or walnut—specify choice when ordering.** For operation from 110-120 v., 60 cycle AC. Shpg. wt., 123 lbs.

20 PA 721. *Specify Finish.* **NET** 309.42

60-Watt Add-On Power Package

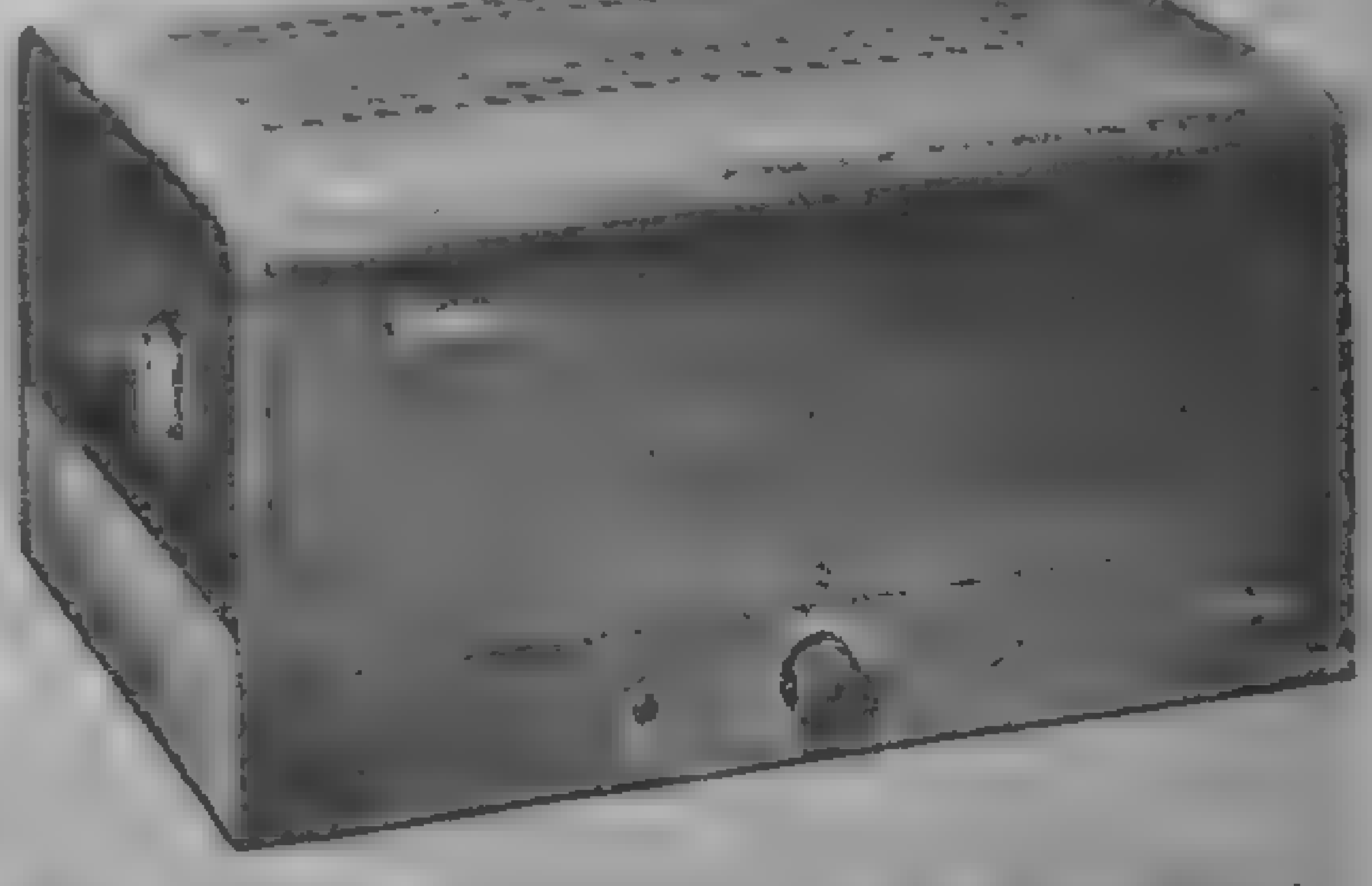
KNIGHT KN-3061 60-WATT BOOSTER AMPLIFIER

Step up your existing P.A. system by a full 60 watts of audio power with this versatile booster-amplifier! For use with any P.A. amplifier that delivers 0.5 volt or more at its speaker terminals. *Output:* Full 60 watts. *Hum:* —71 db. *Frequency Response:* ±2 db, 20 to 20,000 cps. *Input for 60-Watt Output:* 0.4 volt. *Output Impedances:* 4, 8, 16, 250 and 500 ohms; plus 70.7-volt output. *Controls:* Off-On, Volume; also has hum balance adjustment. Trumpet protector switch; tape output jack. Size, 7¼x15x8⅛". U.L. Approved. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 24 lbs.

35 DU 798. *Only $5 Down.* **NET**. 69.50

Provides 60-Watt Boost in P.A. Power

KN 3061



LOW-LEVEL 60-WATT TRUMPET SYSTEM

For extending P.A. distribution to another building. Includes: **Knight KN-3061 60-Watt Booster Amplifier; 6—University IBA-8 Trumpets; 6—70.7-v. Transformers.** Less cable. For 110-120 v., 60 cycle AC. 54 lbs.

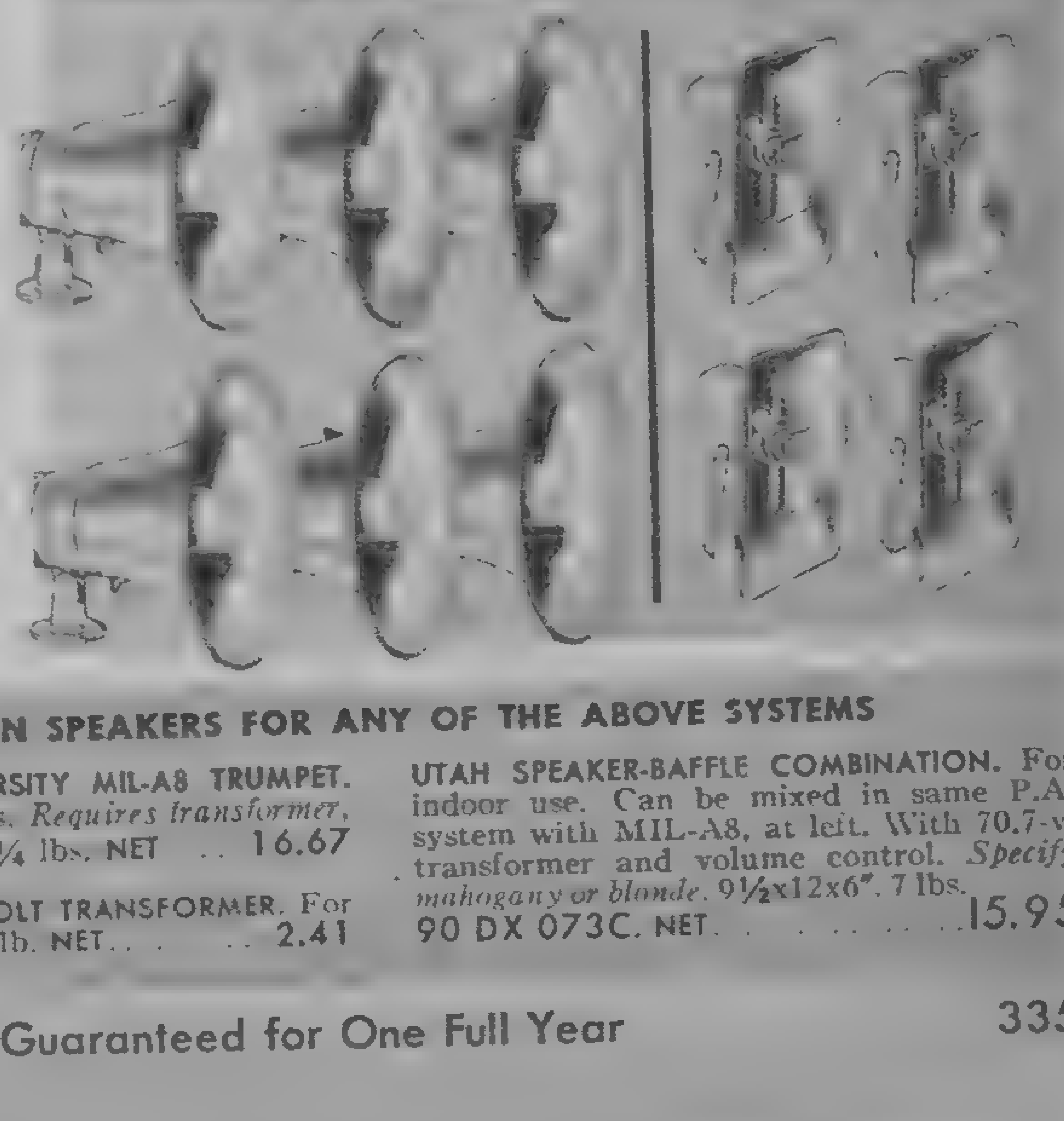
20 PA 722. *System Savings $14.00.* **NET**. 191.70

HIGH-LEVEL 60-WATT PROJECTOR SYSTEM

Ideal for adding chimes, etc. to church P.A. systems. Includes: **Knight KN-3061 60-Watt Booster Amp.; 4—E-V 848 CDP Projectors; 4—70.7-v. Transformers.** Less cable. For 110-120 v., 60 cycle AC. 96 lbs.

20 PA 723. *System Savings $25.00.* **NET**. 250.34

UNIVERSITY IBA-8 TRUMPETS **E-V CDP PROJECTORS**



ADD-ON SPEAKERS FOR ANY OF THE ABOVE SYSTEMS

70 D 271. UNIVERSITY MIL-A8 TRUMPET. For noisy shop areas. *Requires transformer, below.* 7x6⅜" dia. 3¼ lbs. **NET** . . 16.67

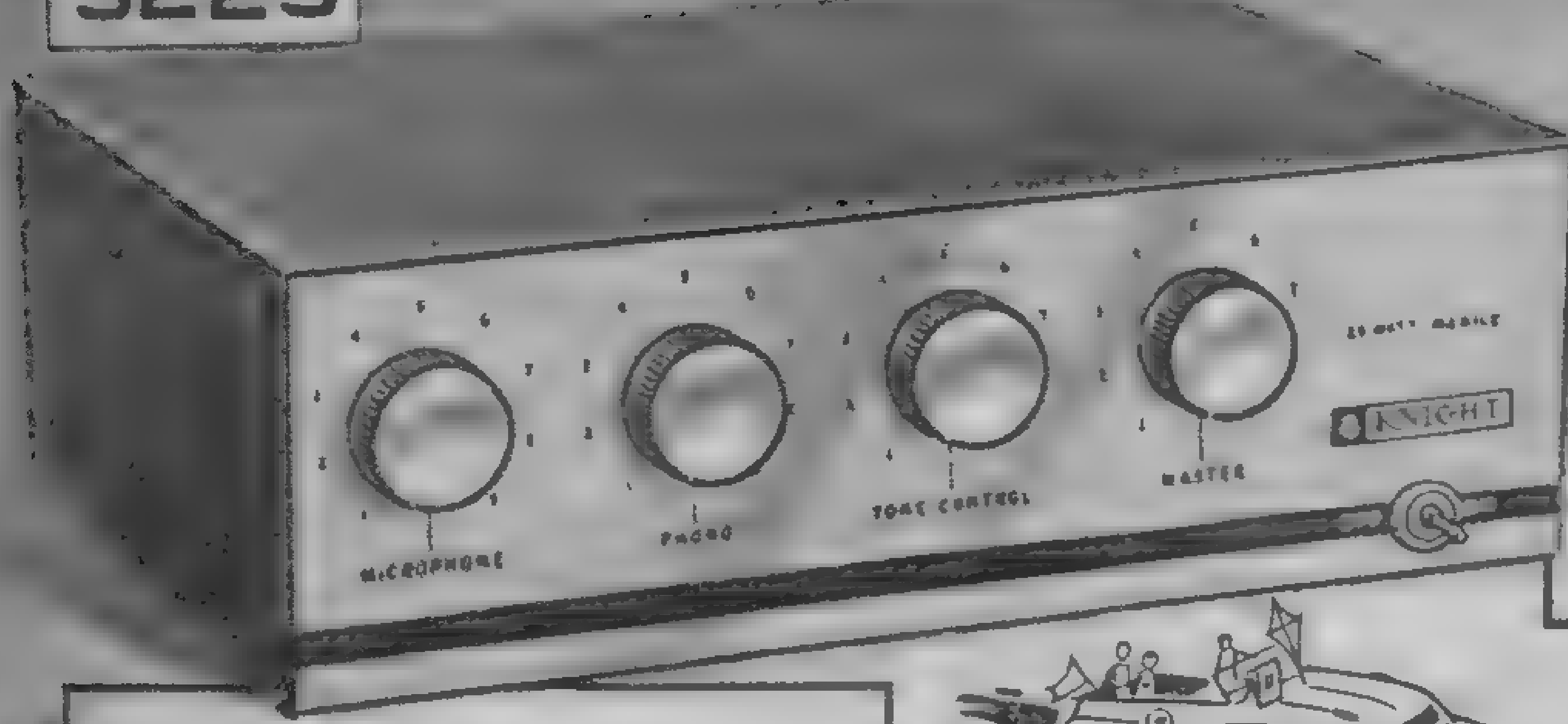
62 G 077. 70.7-VOLT TRANSFORMER. For above. Shpg. wt., 1 lb. **NET**. 2.41

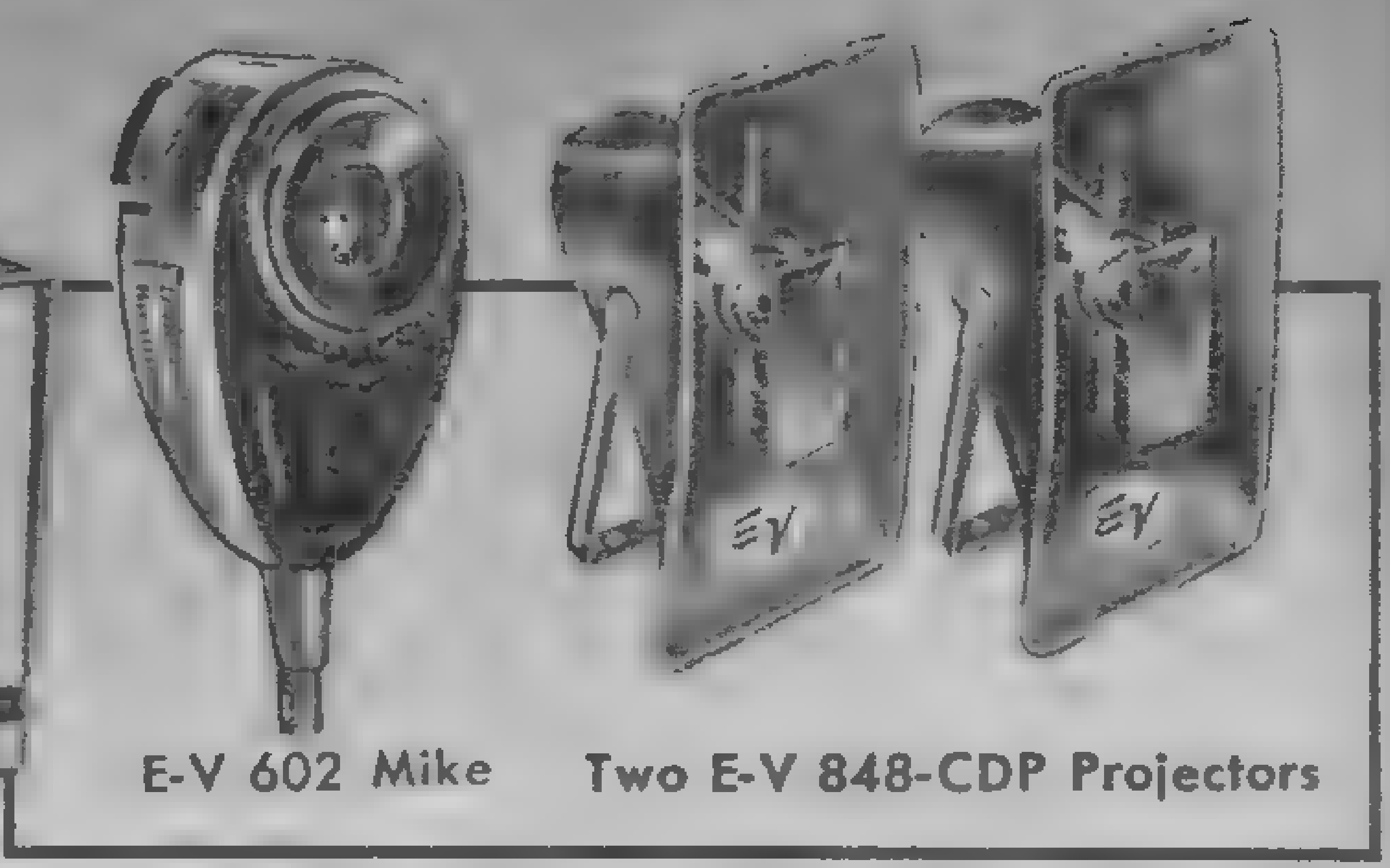
UTAH SPEAKER-BAFFLE COMBINATION. For indoor use. Can be mixed in same P.A. system with MIL-A8, at left. With 70.7-v. transformer and volume control. *Specify mahogany or blonde.* 9½x12x6". 7 lbs.

90 DX 073C. NET. 15.95

All-Transistor MOBILE Sound System

KN
3225





Use on Boats, Cars, Trucks; Delivers BIG Sound From Any 12-Volt DC Source

SAVE $33.82

Superior KN-3225 Amplifier Features

Ruggedly constructed to deliver dependable service 24 hours a day—guaranteed for one full year.

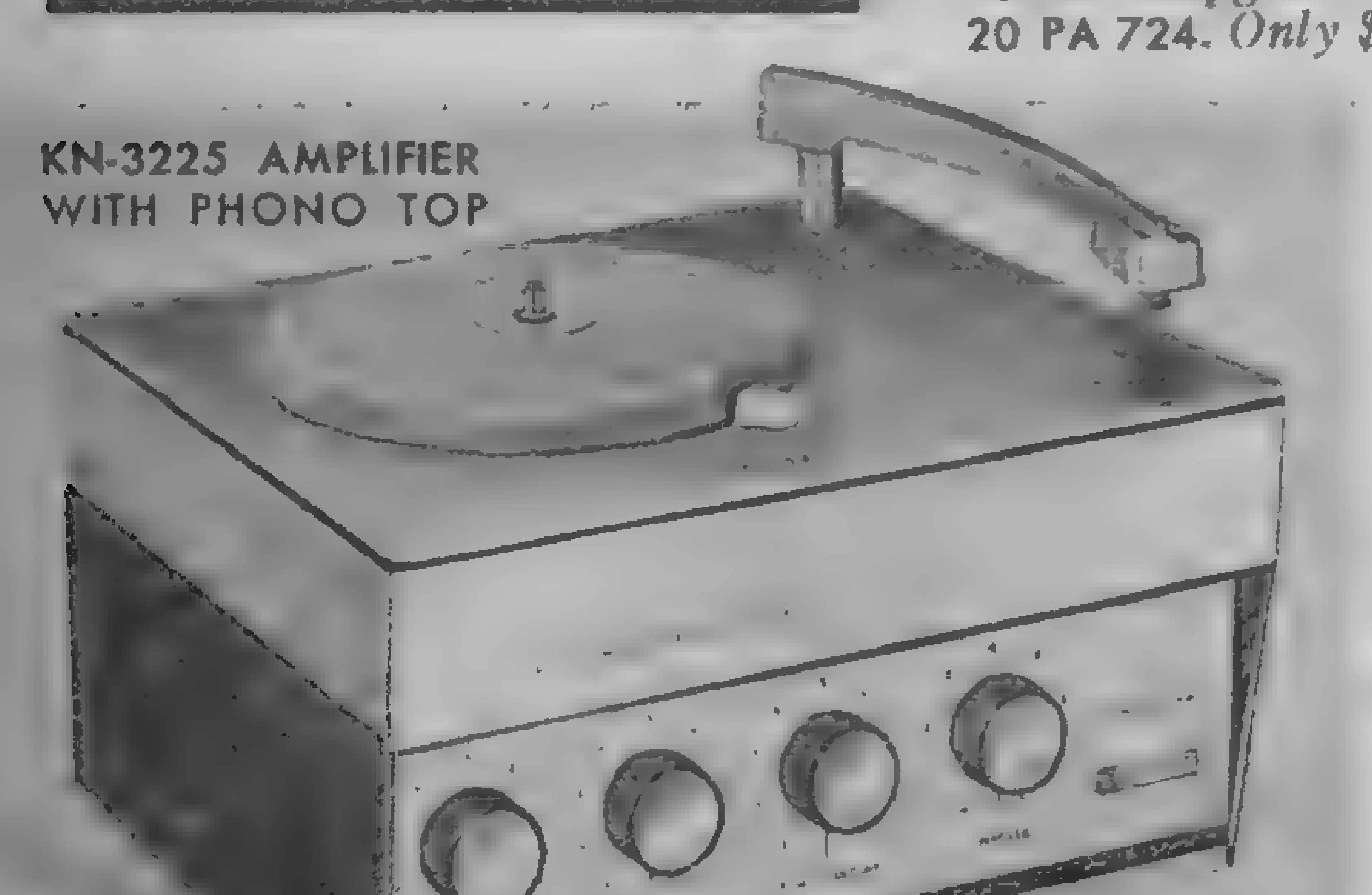
1. Low battery drain—idling current of only ¼ amp.
2. Plugs in quickly to cigarette lighter receptacle.
3. Compactly designed for limited-space applications.

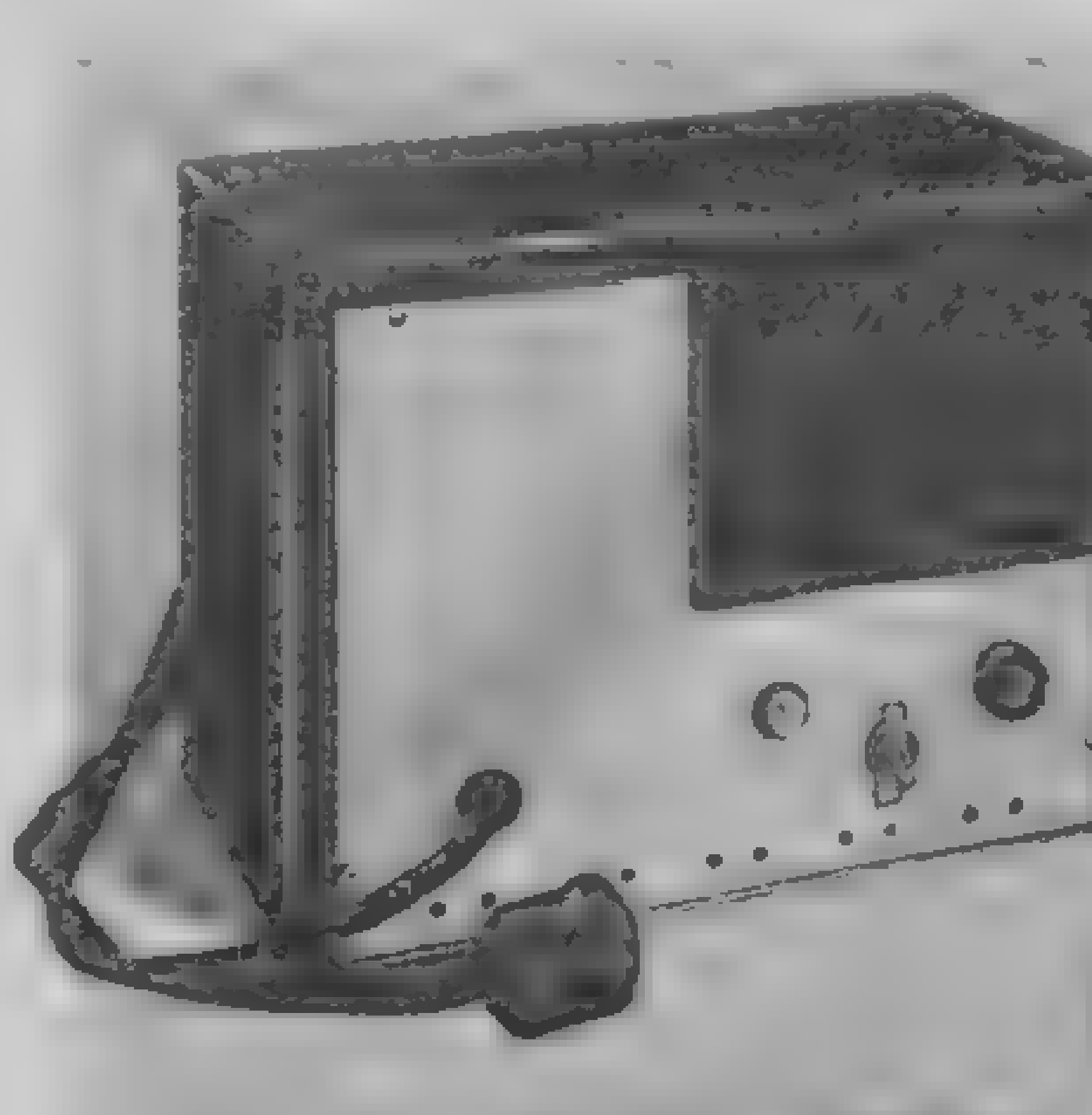
Allied "Electioneer" Mobile 25-Watt P.A. System

ONLY **$179⁵⁰** **$5 down**

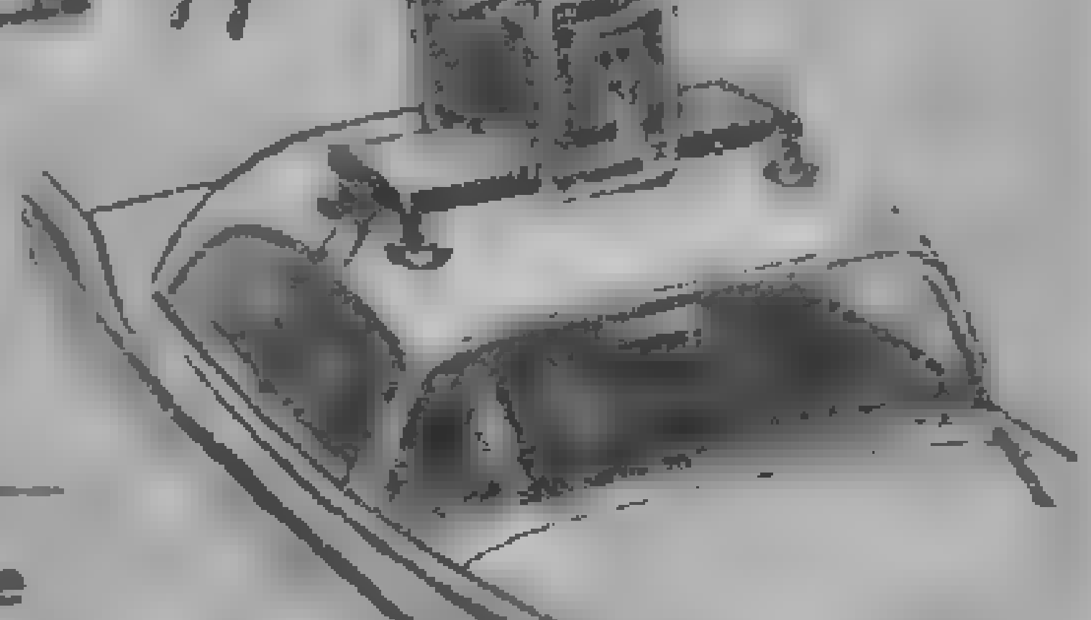
Designed to operate from any 12-volt DC source, the "Electioneer" P.A. sound system is perfect for political campaigning, sales demonstrations, advertising promotions, or any other outdoor sound system application. System price saves you $33.82 on total cost of individual units if purchased separately. This matched system includes **Knight KN-3225 Transistorized 25-Watt Mobile Amplifier; two Electro-Voice 848-CDP Fiberglas Diffraction Projectors; Electro-Voice 602 Dynamic Microphone, plus 50-ft. Speaker Cable tipped with phone plugs.** Amplifier features 6-transistor circuit of extremely low battery drain (see complete description below, left). Idling current is only ¼ amp. Conveniently plugs into cigarette lighter receptacle. E-V's noise-cancelling mike will not pick up sound more than 2" away. May be used with battery-operated phono, listed below, at left. Shpg. wt., 52 lbs.
20 PA 724. *Only $5 Down.* **NET**.......................... 179.50

KN-3225 AMPLIFIER WITH PHONO TOP





AC POWER SUPPLY
Easy to Connect for AC Power



CAR-TOP PLATFORM
Sturdy, Weatherproof—Perfect for Mobile Use

KN-3225 Mobile 25-Watt Amplifier

NET **$79⁹⁵** Less Player

The ultra-modern Knight KN-3225 6-transistor mobile P.A. amplifier provides a full 25 watts of audio power anywhere you go—in autos, boats, etc. Designed to operate from any 12-v. DC source, its power cord plugs into cigarette lighter receptacle. Highly-efficient transistor circuit has extremely low battery drain—idling current of only ¼ amp. *Response:* ±3 db, 100-10,000 cps. *Hum & Noise:* −67 db. *Inputs:* 1—Mic, 1—Phono. *Controls:* Mike Volume, Phono Volume, Tone, Master Volume, Off-On; Trumpet Protector switch. *Impedance:* 4, 8, and 16 ohms. Black cabinet; aluminum panel. 3½x10¾x6". Made in U.S. Less record player, below. Shpg. wt., 11 lbs.
35 DU 796. *Only $5 Down.* **NET**................ 79.95

KN-3200 RECORD PLAYER. Shpg. wt., 5½ lbs.
35 DU 797. *Only $2 Down.* **NET**................ 37.50

Plug-In AC Power Supply for KN-3225

Quickly converts the Knight KN-3225 Mobile 25-Watt P.A. Amplifier for 110-volt, AC use. No internal wiring necessary—conversion is completed by simple, plug-in connection. Hum level inaudible at full amplifier output. Unit is supplied complete with plug-in cable—ready to use. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 22 lbs.
35 DX 734. *Only $2 Down.* **NET**........ 39.50

Wood Car-Top Speaker Platform

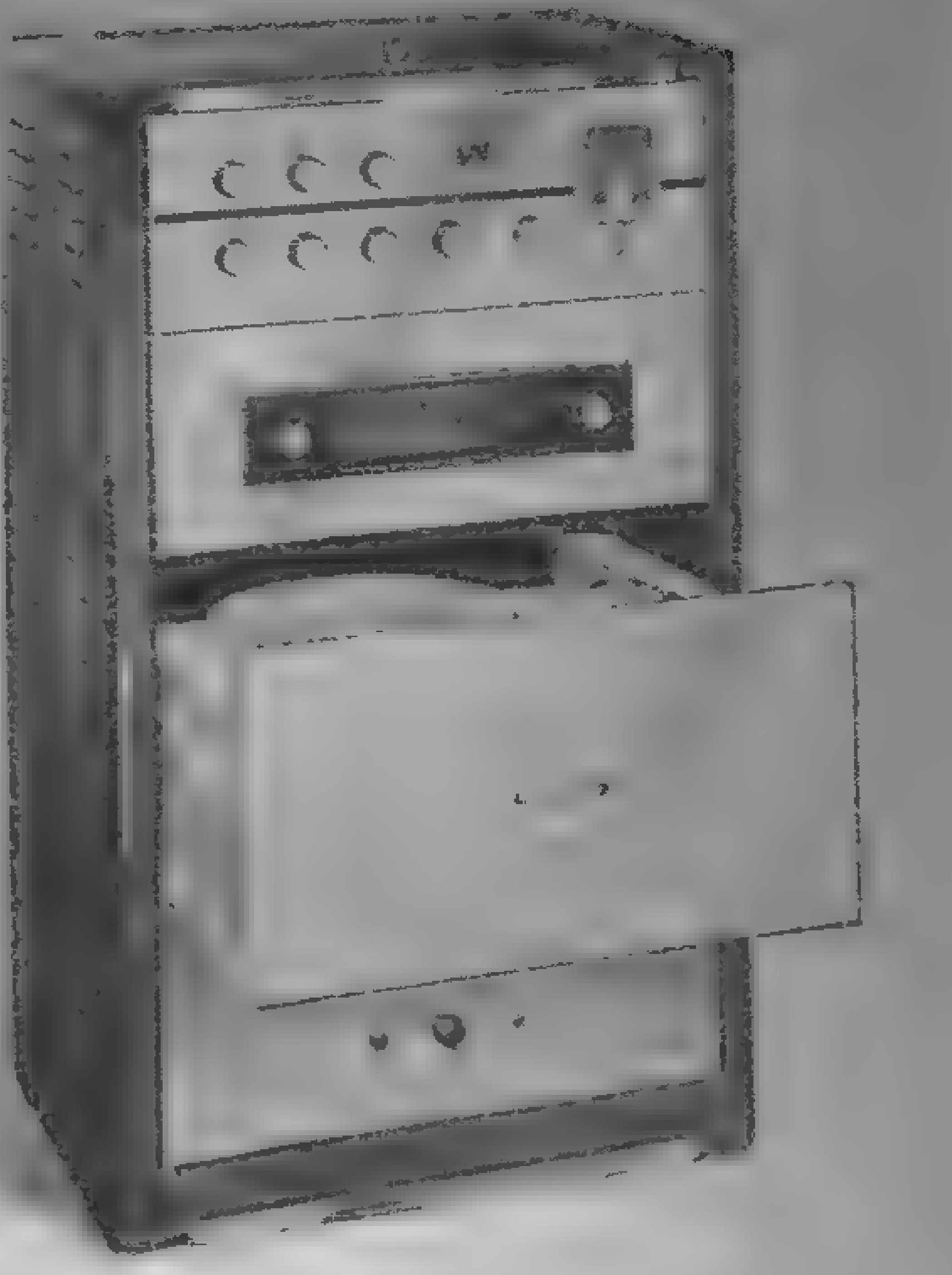
Sturdy, waterproof car-top utility carrier. Excellent for mounting baffles or horns with bases up to 8" in diameter. Quickly, easily installed—no holes to drill in car—fits any car roof. Secured with straps and anchored to rain gutter with rubber-insulated clips. Size, 7½x46". Shpg. wt., 9 lbs.
93 DX 220. NET........................ 6.45

Selected Audio Amplifier Accessories

KNIGHT Professional P.A. Rack Panel Kits

Give your P.A. equipment professional appearance and centralization by mounting Knight P.A. components in standard relay racks; everything you need is in these quality, durably constructed panel kits. Handsomely finished in brushed chrome, easy to keep clean and new-looking. When your Knight units are mounted in this way, they make a compact, integrated package—provide full ventilation. Matching blank panels also available. Each kit includes a brushed chrome dress panel, rugged steel U-pan assembly, and mounting hardware.

Stock No.	Description	Height	Shpg. Wt., Lbs.	NET EACH
93 SX 058	For KN-3035 Amplifier	7"	6¾	9.95
93 SX 059	For KN-3032 Amplifier	7"	7½	9.60
93 SX 060	For KN-3060 Amplifier	7"	7½	9.75
93 SX 061	For KN-3061 Booster	8¾"	7½	9.40
93 SX 063	Phono Drawer on Slides	10½"	14	12.90
93 SX 064	Blank Panel	3½"	3	3.60
93 SX 065	Blank Panel	5¼"	3½	3.90
93 SX 066	Blank Panel	7"	4¼	4.35
93 SX 067	Blank Panel	8¾"	4¾	4.60


Makes a compact, integrated P.A. package of all your equipment
Keeps equipment clean and new-looking

BOGEN PROFESSIONAL-QUALITY P.A. EQUIPMENT

RP-2 Low-Noise Program Preamplifier

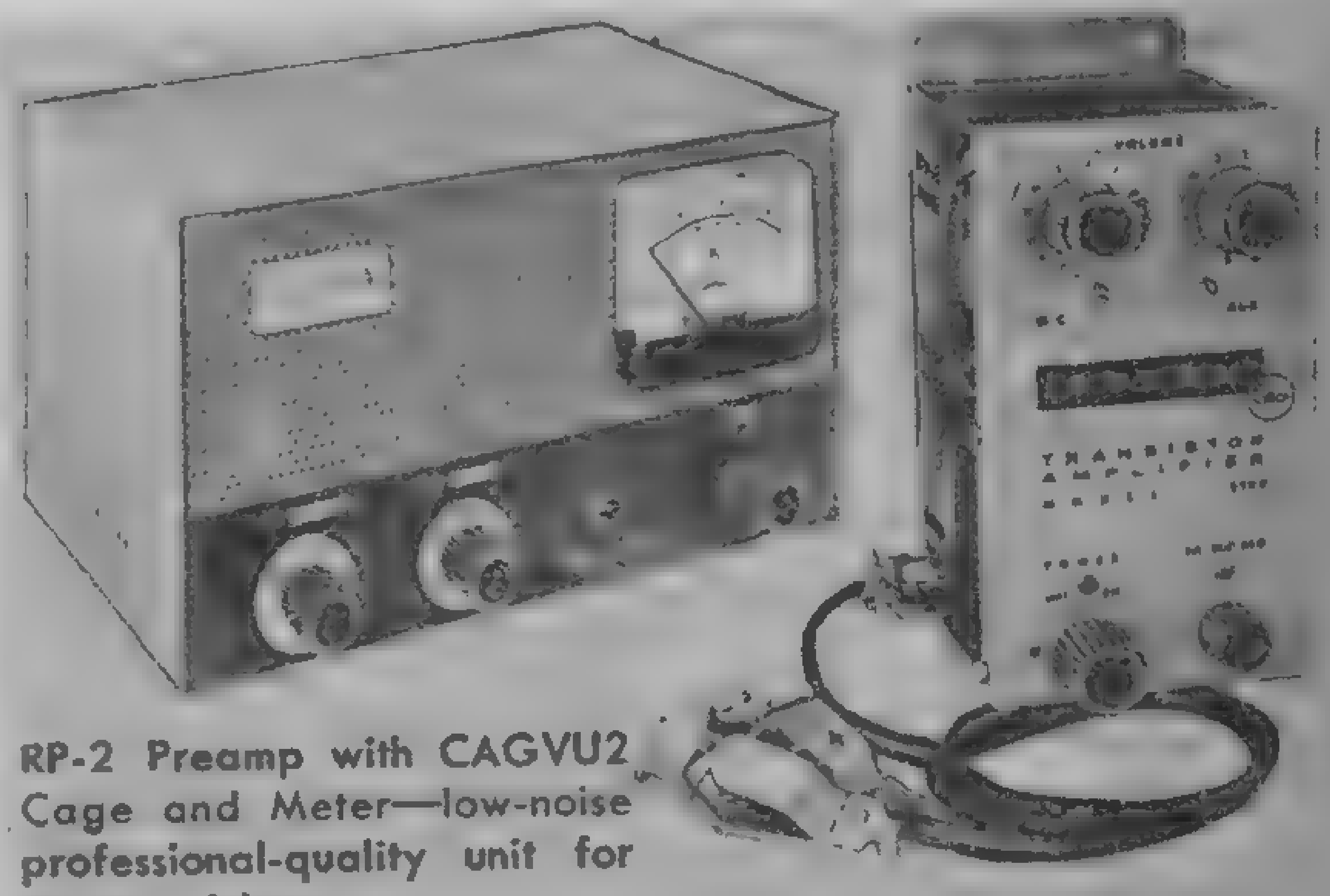
Program preamp designed for use at remote pickup points. Has separate input channels for one mike and one phono; separate volume controls for each channel permit mixing. Bass cut-off switch (20 db) for speech clarity. 5¼x11x7⅜". Less cage, below. For 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.

88 SX 856. List, $90.00. **NET**....................54.00
88 SX 857. CAGVU2. Cage and meter. 2 lbs........18.75

BT25 25-Watt Mobile P.A. Amplifier

Hum-free, transistor P.A. amplifier for mobile use. Provides 25 watts of audio power from a 12-volt battery, or 6 watts from a 6-volt battery. Inputs for one mike and one program source. Current drain: 3 amps at 25 watts; 1¼ amps at 6 watts. Gain, 103 db. Distortion, less than 10% at full power. Impedances: 4, 8 and 16 ohms. 6⅝x4⅜x3¾". Shpg. wt., 5 lbs.

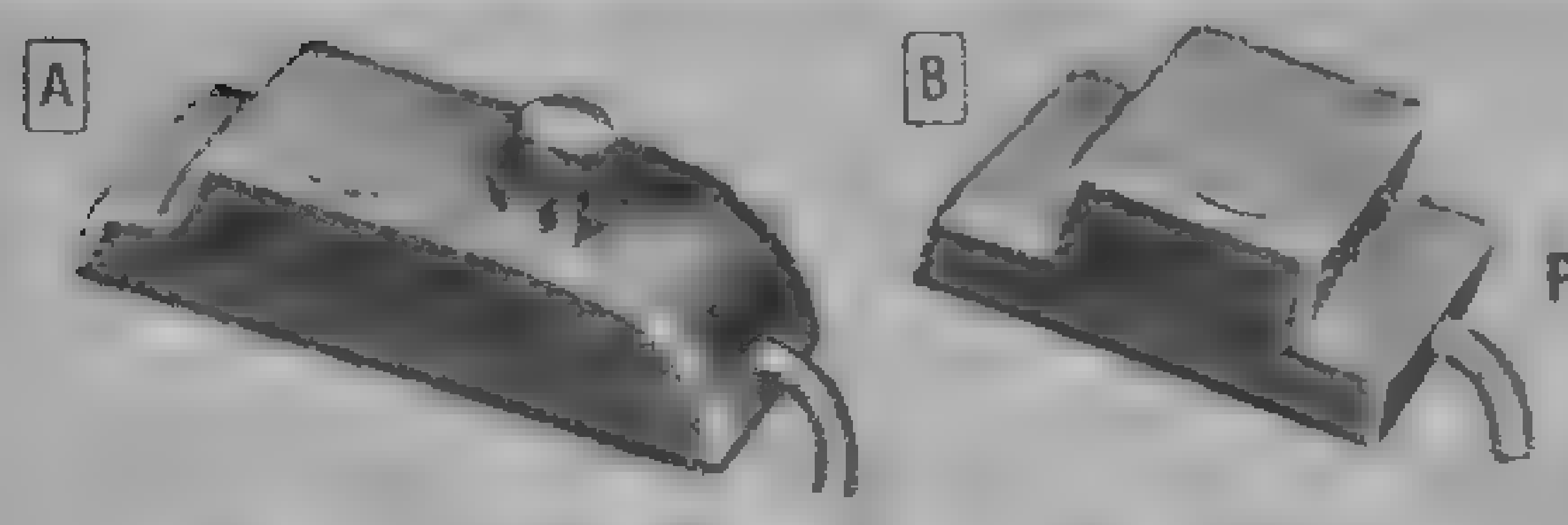
88 S 862. List, $120.00. **NET**....................72.00



RP-2 Preamp with CAGVU2 Cage and Meter—low-noise professional-quality unit for remote pickup

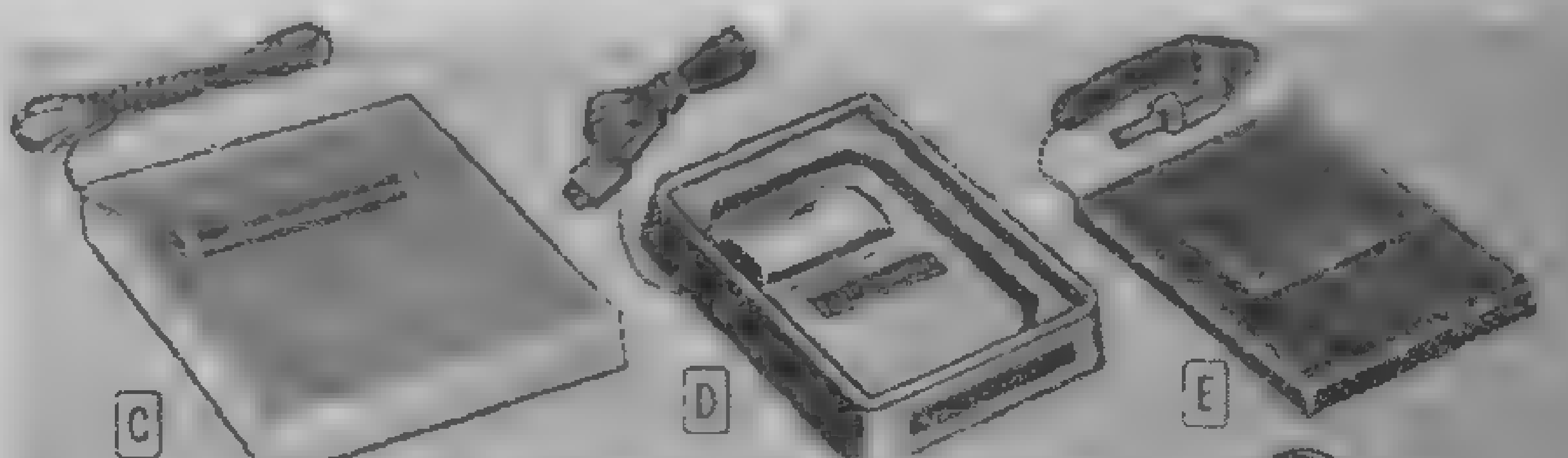
BT25 Transistorized Mobile P.A. Amplifier

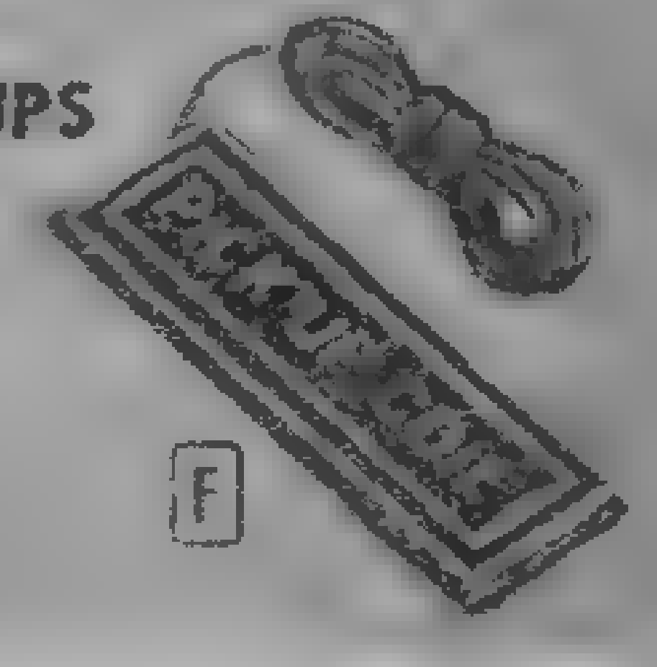
MUSICAL AMPLIFICATION AND TELEPHONE ACCESSORIES



KNIGHT CONTACT MICROPHONES

Smooth-performing, quality contact mikes for use with piano, cello, guitar and other musical instrument amplification—offer excellent service at low cost.





MAGNETIC PHONE PICKUPS

High-impedance coil units designed to permit recording both sides of a telephone conversation. Require no electrical or physical connection to the telephone.

[A] High-Impedance magnetic type mike with built-in volume control. Response from 50-10,000 cps. With 12-ft. cable and connector. Shpg. wt., 1 lb.
99 S 516. NET....................................7.50

[B] As above, but less volume control.
99 S 517. NET....................................5.95

75-MC-1P. Phone plug adapter for above. Wt., 2 oz.
41 H 962. NET....................................30c

[C] **99 R 482. Electro-Ducer.** With 12′ cable. Size, 1x6½x9½". Shpg. wt., 1 lb. **NET**..............7.35

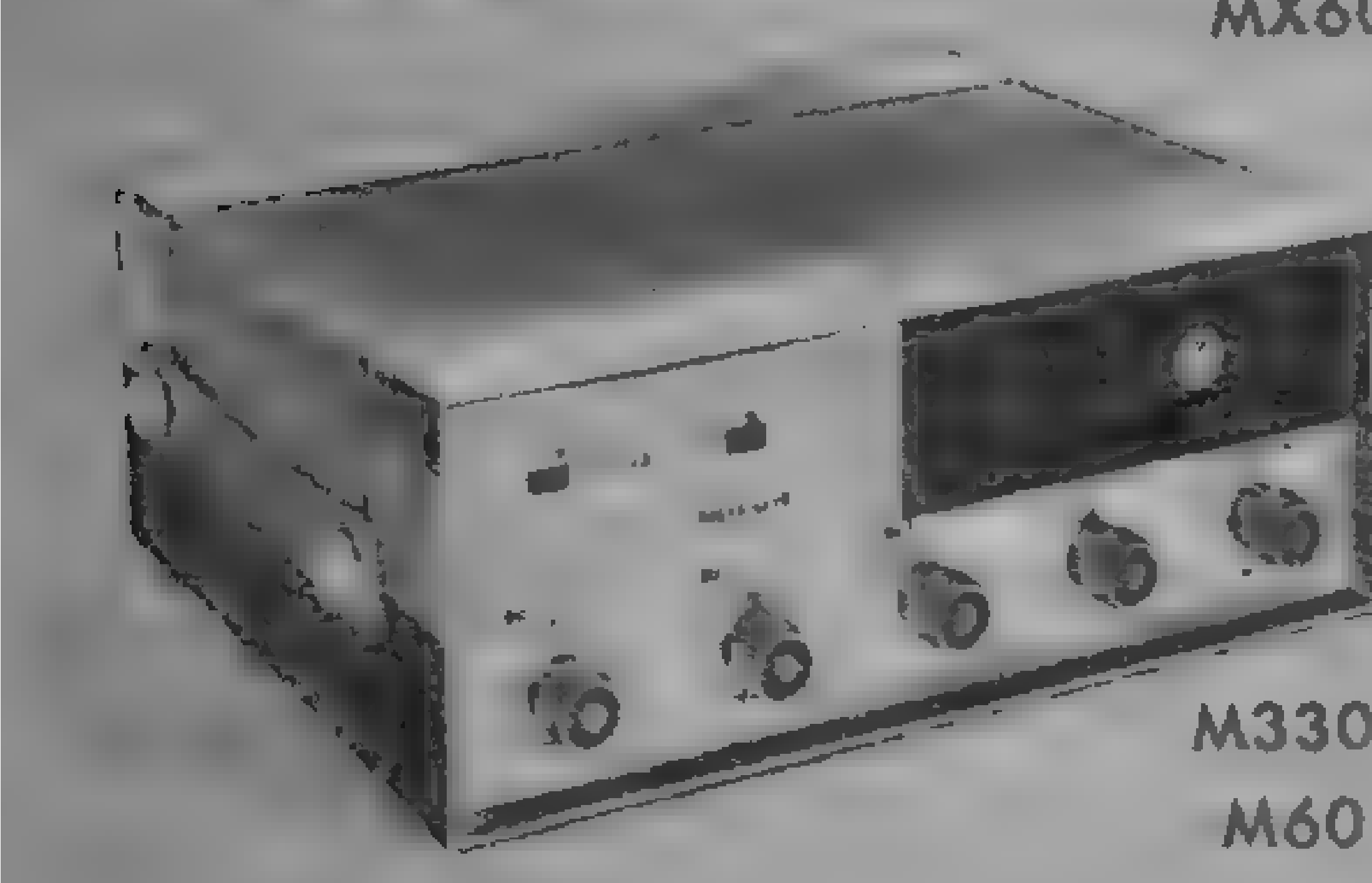
[D] **99 R 489. Electro-Scriber.** With 8′ cable and 3-prong Jones plug. 1⅜x5⅞x8¼". 1¾ lbs. **NET**........7.35

[E] **99 R 486. Kord-O-Koil.** With 6-ft. cord and phone plug. 5½x⅝x9¼". Wt., 1¾ lbs. **NET**...........5.88

[F] **99 R 478. Magnetic Recording Industries VM-938.** 5′ cord. 1¾x¾x4". Less plug. 8 oz. **NET**...........2.98

Bogen FLEX-PAK M Series P.A. Amplifiers

MX30,
MX60



M330,
M60

Incorporating all the latest refinements, M Series P.A. amplifiers give you top flexibility. Portable, lightweight units with: leather handles for carry-about use; thumbscrew-fastened, slide-back cases for access to chassis; and handy, write-in space over gain controls to prevent errors in settings.

30-WATT AMPLIFIERS

Include: constant voltage output taps; equalized phono input; separate bass and treble controls; Cannon XL connectors; variable level markers; etc. *Response:* ±2 db, 35 to 20,000 cps. *Output:* 30 watts at less than 2% distortion. *Output Imp.:* 4, 8, 16 and 163 ohms; balanced 25-volt line, 70-volt line. *Hum:* −60 db. For 110-120 v., 50-60 cycle AC.

MODEL M330. Three mike channels (one converts to phono); 6 tubes, GZ34 rectifier. 5⅜x14½x13". Shpg. wt., 29 lbs. *Only $5 Down.*

88 SU 853. List, $187.50. NET...**112.50**

MODEL MX30 DELUXE. Four mike channels (one converts to phono); Master gain control; wired for optional remote control accessory (available on Special Order); 7 tubes, GZ34 rectifier. Size, 5⅜x16¼x13". Shpg. wt., 31 lbs. *Only $5 Down.*

88 SU 851. List, $225.00. NET...**135.00**

60-WATT AMPLIFIERS

Include all of the features of the 30-watt amplifiers at left—constant voltage output taps, separate bass and treble controls, Cannon connectors; same response and hum specifications; etc. *Output:* 60 watts at less than 1% distortion. *Output Impedances:* 4, 8, 16 and 83 ohms; balanced 25-volt line, 70-volt line. Size, 5⅜x16¼x13". For 110-120 v., 50-60 cycle AC. Shpg. wt., each amplifier, 37 lbs.

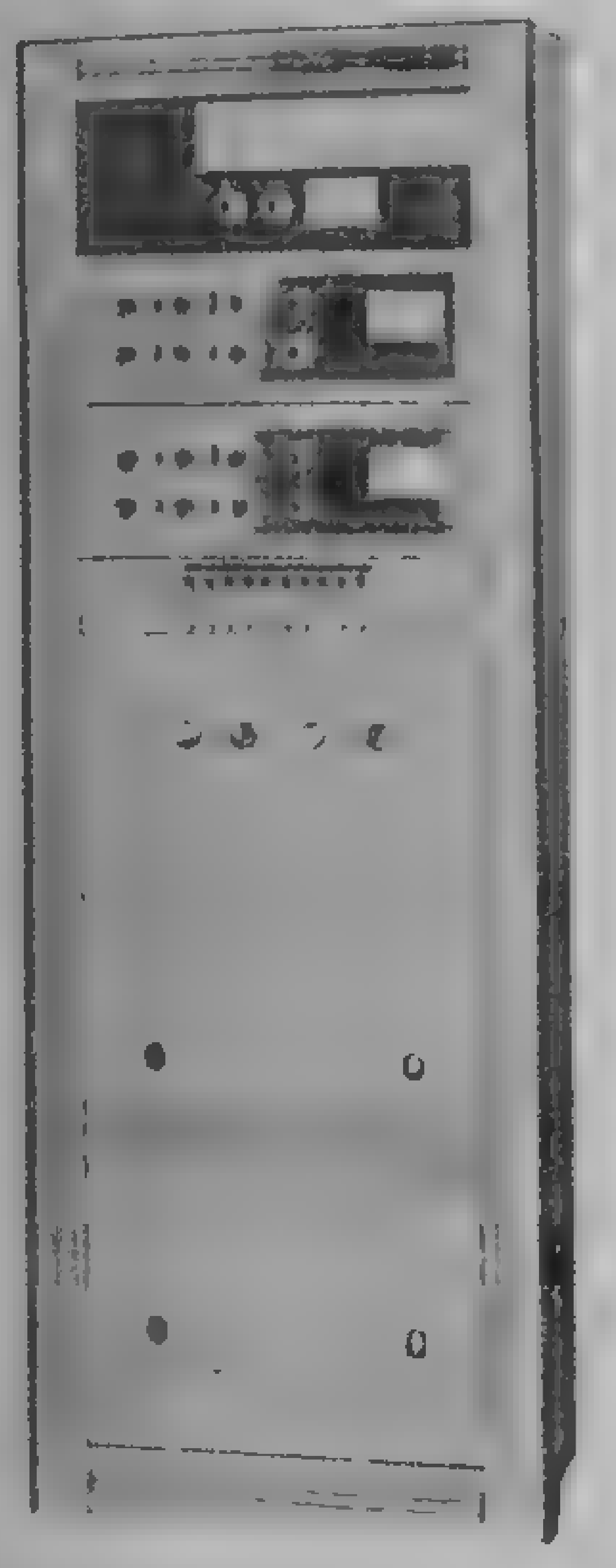
MODEL M60. Three mike channels (one converts to phono); 6 tubes, 3—GZ34 rectifiers. *Only $5 Down.*

88 SU 852. List, $231.25. NET...**138.75**

MODEL MX60 DELUXE. Four mike channels (one converts to phono); Master gain control; wired for optional remote control accessory (available on Special Order); 7 tubes, 3—GZ34 rectifiers. *Only $5 Down.*

88 SU 850. List, $290.00. NET...**174.00**

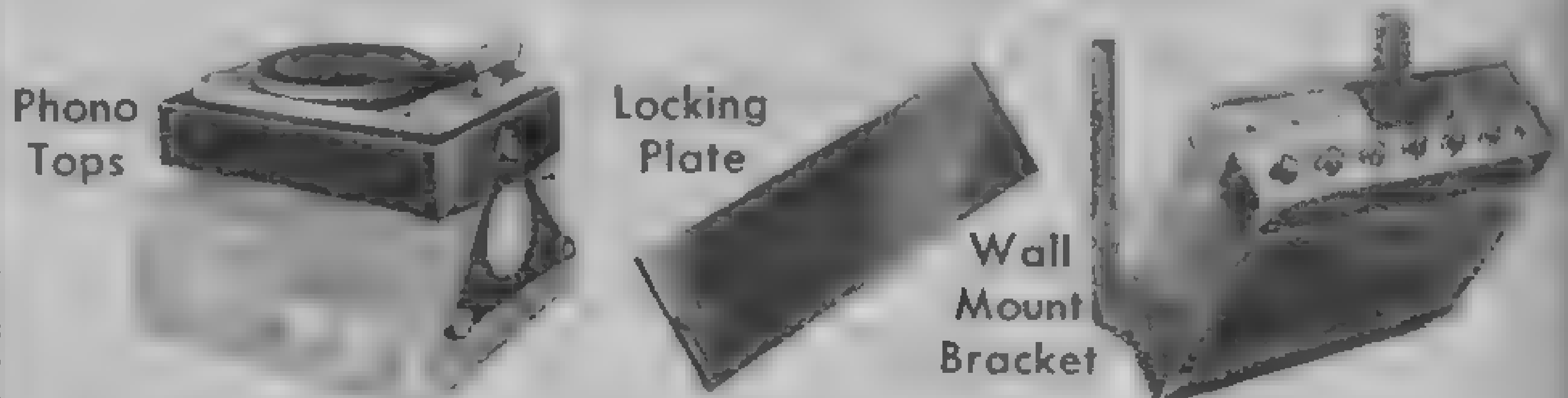
Let Us Design Your P.A. Installation



Our audio experts will be glad to design special P.A. installations for you, centered around Bogen "Flex-Pak" components, at low cost. If necessary, we'll consult with Bogen's Custom Division plant engineers for the make-up of any special sound system. There is no charge for this service, and the complete assembly will be checked by Bogen engineers. All necessary cables and connectors are supplied.

"Flex-Pak" amplifiers, mixers and boosters on this page are available in a rack-mounted installation, as shown at left. Special features such as timers, signalling devices, intercom or music distribution facilities, can be included in your system. Similar equipment is presently saving time and reducing costs in many hotels, schools, hospitals, terminals, etc. Write to our Audio Division today—consultation service is free.

Useful "FLEX-PAK" Accessories



M AND MX SERIES PHONO TOP KITS. Include: 4-speed phono top, mtg. brackets, hardware, cartridge with sapphire needles. For 110-120 v., 60 cycle AC. 6 lbs.

91 SX 717. LPB-4. For MX60, MX30, M60, MXM. NET......**41.40**

91 SX 715. LPA-4. For M330 amplifier. List, $69.00. NET.......**41.40**

"CONTROL-GUARD" LOCKING PLATE. Covers control panel; prevents tampering with settings. Includes two keys. Shpg. wt., 2 lbs.

91 SX 718. Model LK-1. For M330. List, $7.75. NET **4.65**

91 SX 719. Model LK-2. For MX60, MX30, M60 and MXM. List, $8.00. NET..............................**4.80**

91 SX 720. Model LK-3. For M330 when used on LWM wall mounting. List, $10.50. NET **6.30**

91 SX 721. Model LK-4. For MX60, MX30, M60 and MXM when used on LWM wall mounting. List, $11.00. NET **6.60**

MODEL LWM WALL MOUNTING KIT. For M, MX amplifiers and MXM mixer preamp. Units fold neatly against wall when not in use. 3 lbs.

91 SX 722. List, $15.00. NET..............................**9.00**

PLUG-IN INPUT TRANSFORMERS. (Not illus.) For connecting low impedance microphones to "Flex-Pak" units. Av. shpg. wt., 1 lb.

99 S 184. Model T-155. Impedance, 200 ohms. List, $15.65. NET..**9.40**

91 S 725. Model T-156. Impedance, 500 ohms. List, $21.25. NET.**12.75**

91 S 726. Model T-157. Impedance, 50 ohms. List, $18.75. NET.**11.25**

MODEL MXM MIXER-PREAMPLIFIER CONTROL UNIT

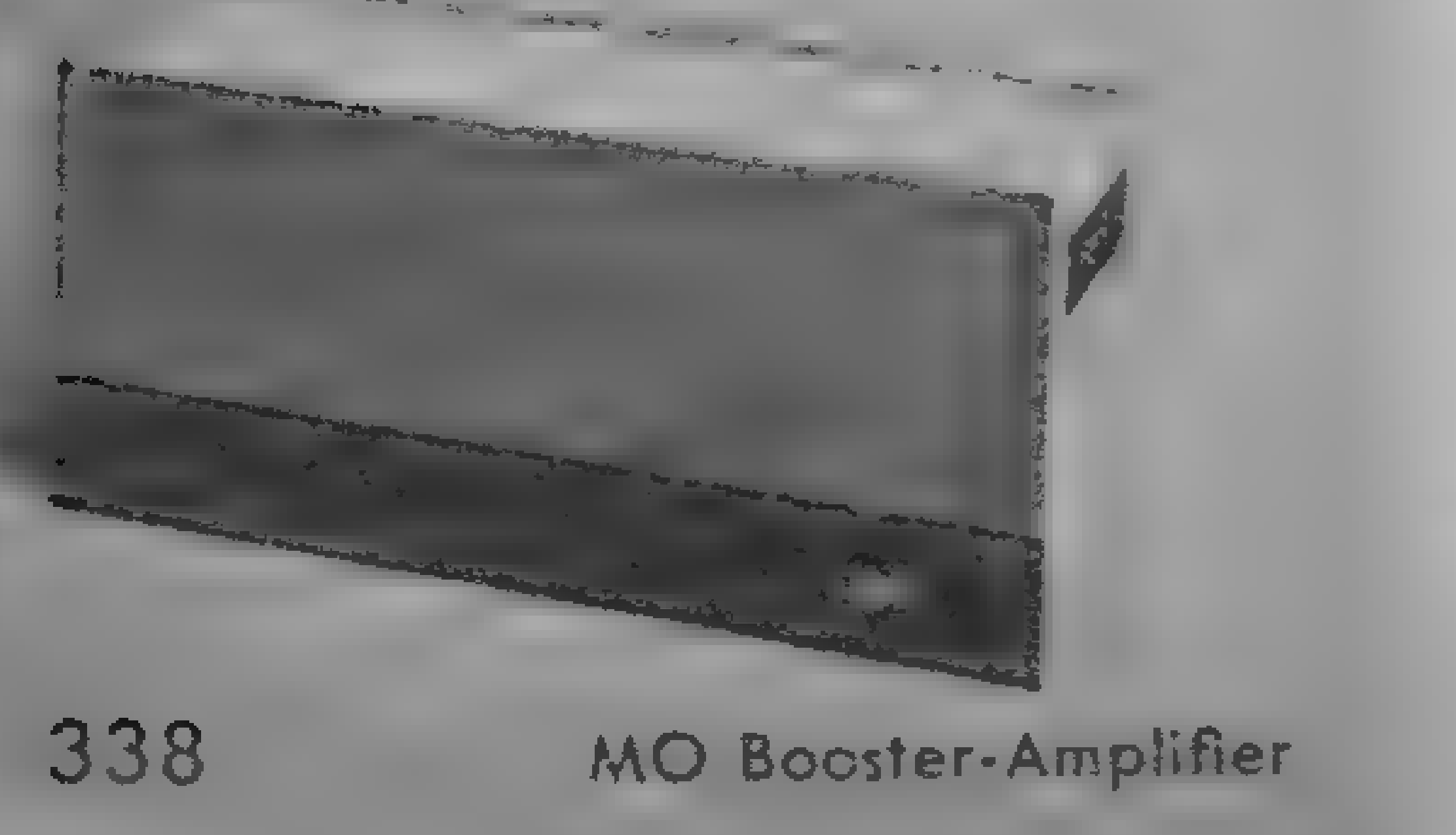
MXM Mixer-Preamp

- **Highly Accurate Level Meter Monitors All Channels in Use**
- **Blends Five Separate Inputs with Precision Control**

For critical P.A. applications, or high-quality, professional recording on location. Five independently controlled mike inputs—one converts to phono or tuner input. An accurate level meter permits continuous monitoring of the combined output of all channels in use. Built-in sockets accept plug-in low impedance transformers listed above. Output is high impedance, or may be easily converted to low impedance with T-165B 500-ohm transformer, below, for remote broadcast or recording work. Hi-Z output for connection to supplementary booster-amplifiers. *Output:* 30 milliwatts at less than 1% distortion; 45 milliwatts peak. *Controls:* 5—Gain; 4—Speech Filter; Mike-Tuner-Phono; Bass; Treble; Off-On-Master Gain. 8 tubes; 6X4 rectifier. *Response:* ±1 db, 20-20,000 cps. *Hum:* −60 db. For 110-120 v., 50-60 cycle AC. 5⅜x16¼x13". 21 lbs.

88 SU 854. List, $237.50. *Only $5 Down.* NET..............................**142.50**

88 S 996. Model T-165B Output Transformer. Converts output impedance of MXM to 500-ohm broadcast standard. Shpg. wt., 1 lb. List, $20.00. NET..................**12.00**



MO Booster-Amplifier

MO SERIES BOOSTER-AMPLIFIERS

Skillfully designed; for use wherever undistorted high power is required. Input signal of only 2 volts drives any of the 3 boosters to rated output. Used by labs to drive "shake" tables. Offer continuous power from 50 to 20,000 cps with less than 2% distortion.

Stock No.	Model	Rated Output	Size, HWD	Lbs.	List	*Down*	EACH
88 SU 858	MO-30	30 watts	7¾x17¼x6½"	21	$119.88	$5	71.93
88 SU 859	MO-60	60 watts	7¾x17¼x6½"	23	167.50	$5	100.50
88 SU 861	MO-100	100 watts	7¾x17¼x9"	35	215.75	$5	129.45

Allied Can Fill Any Special Sound System Requirements

Allied's Top-Quality Microphones

KNIGHT®

KN-4550 Cardioid Dynamic Microphone

AS LOW AS

$38.93

$2 down

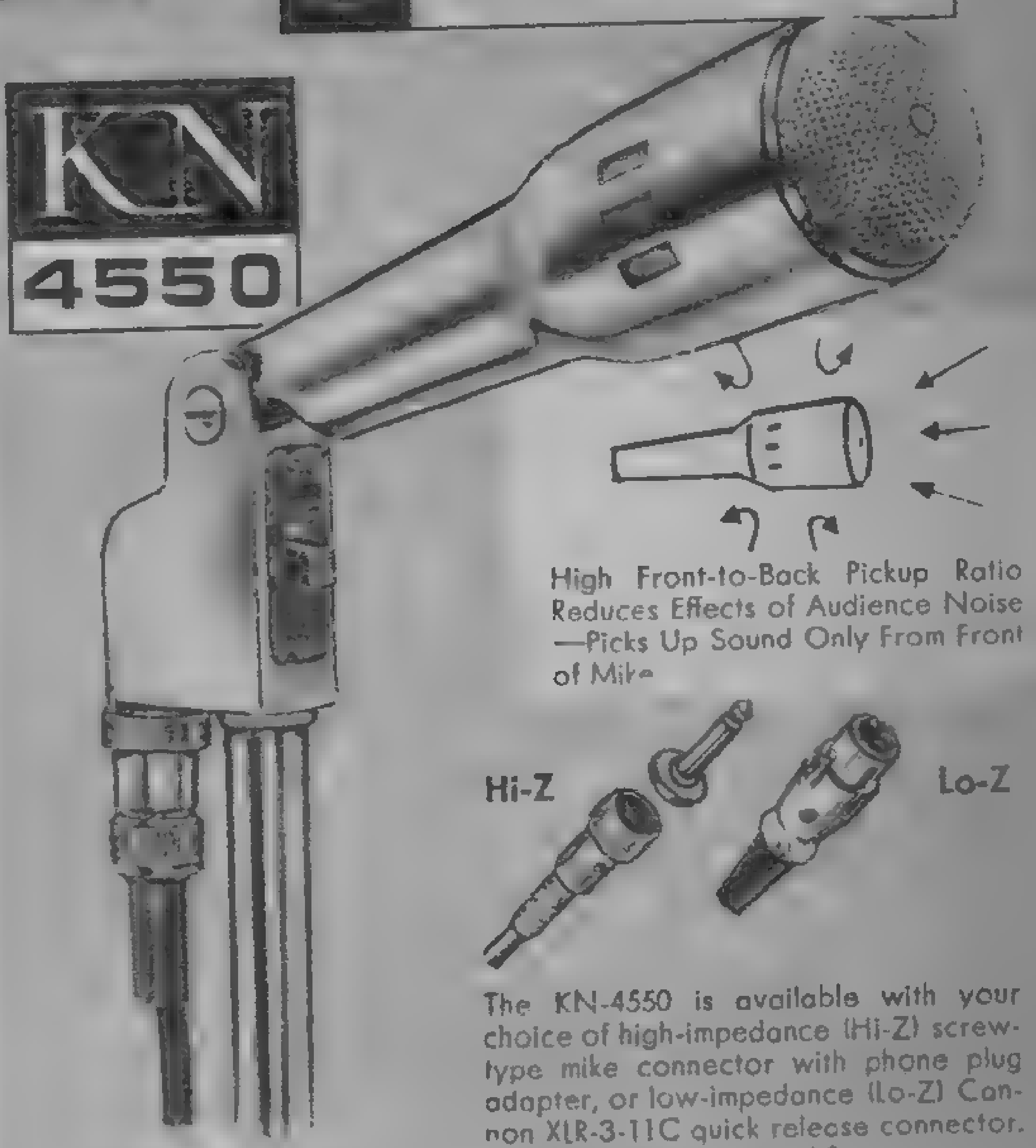
- Unexcelled for P.A. and Recording Use
- Super-Cardioid Anti-Feedback Pattern
- Smooth, Wide Response; 50-13,000 cps
- Includes Dual-Impedance Feature

A professional-quality unit, the KN-4550 is an outstanding value in a cardioid pattern, dynamic microphone. It's perfect for use with recorders as well as public address systems of all types. Ruggedly built, it stands up under the roughest usage, indoors or outdoors. Wide frequency response gives you faithful reproduction of voice and music in recording. Its lack of "peaks" aids in minimizing feedback in P.A. use. Highly directional pick up pattern greatly reduces pickup of undesirable stage or audience noise and reduces "howling" when the KN-4550 is being used as a P.A. mike in "live" rooms. Two separately tuned chambers in mike housing maintain smooth response and directivity—provide astonishing clarity and trueness of tone. Employs virtually indestructible acoustalloy diaphragm—withstands extreme heat, cold and humidity. Fits all floor and desk stands; 5/8"-27 thread. Satin chrome, cast case with Off-On switch. Includes 18-ft. cable. Dia., 1⅞"; 7¼" long. Made in U.S. 2 lbs.

93 S 479. KN-4550 Mike, Less Connector. Wired for high-impedance; easily changed to low-impedance (50-250 ohms). NET....... 38.93

93 S 477. KN-4550 Mike with Screw-Type Connector and Phone Plug Adapter. Wired for high-impedance. NET.................... 39.84

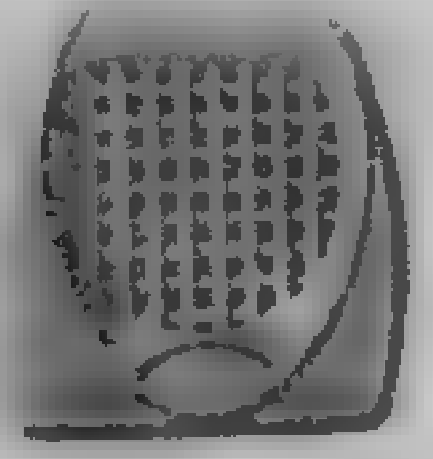
93 S 478. KN-4550 Mike with Cannon XLR-3-11C Connector. Wired for low-impedance (50-250 ohms). NET.................... 39.95



High Front-to-Back Pickup Ratio Reduces Effects of Audience Noise —Picks Up Sound Only From Front of Mike

The KN-4550 is available with your choice of high-impedance (Hi-Z) screw-type mike connector with phone plug adapter, or low-impedance (Lo-Z) Cannon XLR-3-11C quick release connector. Ready to plug into amplifier.

Low-Cost Knight Crystal Mike



For experimenters or home recording use. High output level. —45 db. Shock-mounted crystal. Response, 60 to 8500 cps. Plastic case, 2 11/16x2 7/16x1". With 5-ft. cable. Less connector. Shpg. wt., 1 lb.

99 S 519. ONLY........................ 2.95

KN-4500 High-Impedance Dynamic Mike

ONLY

$24.95

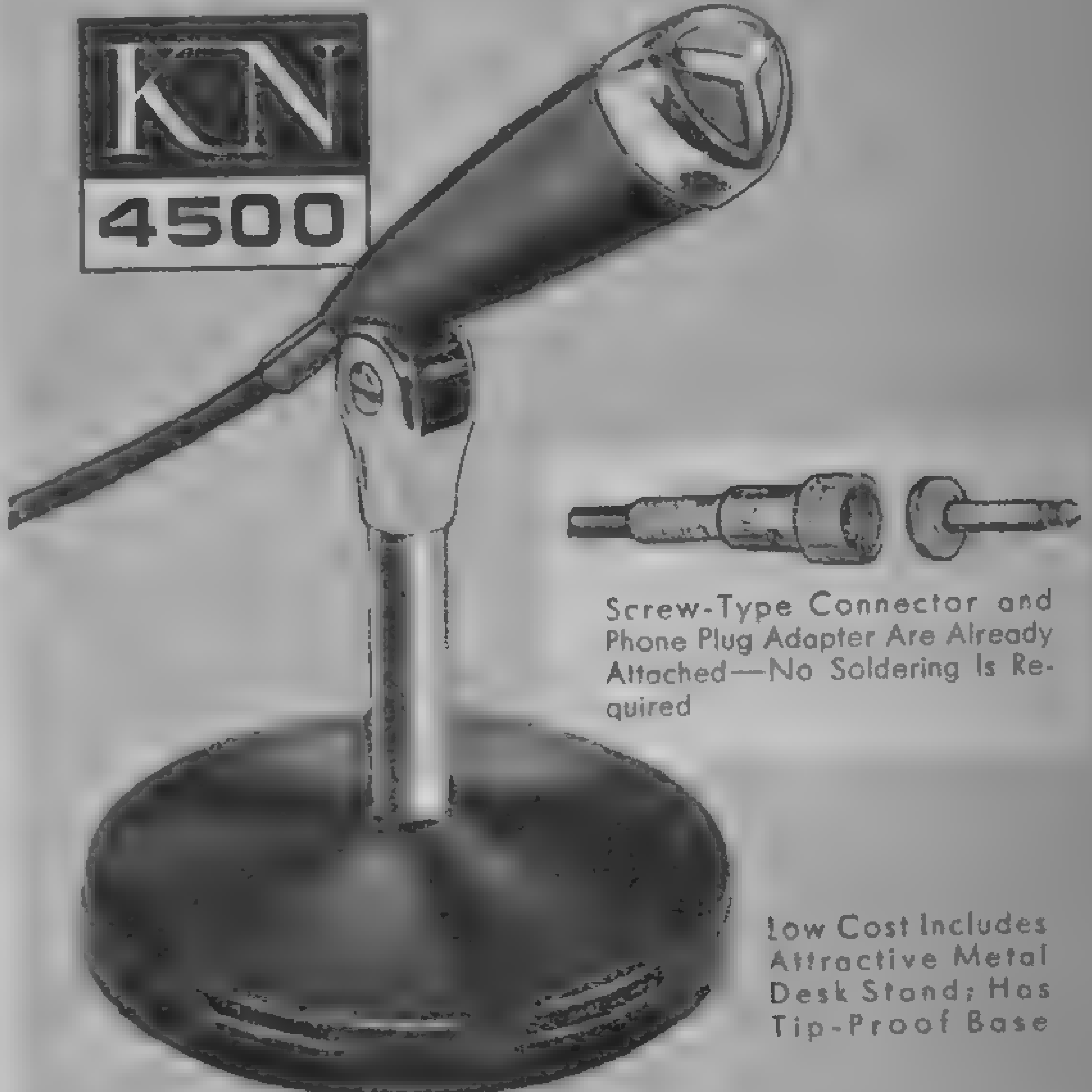
$2 down

- Includes Attractive, Matching Desk Stand
- High-Quality Dynamic Element Provides Excellent Voice and Music Reproduction
- Screw-Type Connector & Phone Plug Adapter

An unexcelled value in an all-directional, high-fidelity dynamic microphone. The low-cost, versatile Knight KN-4500 mike comes equipped with desk stand, 10-ft. cable, and screw-type connector and phone plug adapter already attached. It can be readily connected to 90% of all tape recorders—standard-thread base (5/8"-27), allows it to be quickly connected to any standard microphone floor stand.

The omni-directional pick-up pattern and wide frequency response of the KN-4500 make it perfect for such general purpose applications as paging and P.A. use, home recording, recording of conferences, lectures, panel discussions, etc. Home recordists will appreciate the truer, clearer tone it gives to recordings—P.A. users will appreciate its ruggedness. Its moving-coil dynamic element is virtually indestructible and immune to climatic variations, as well as humidity. Wide-range response, from 60 to 12,000 cps assures natural reproduction of both voice and music. High-impedance output. Size, 1 5/16x7½"; tip-proof, die-cast base is 5⅛" in diameter. Die-cast case, styled in gold and black. Made in U.S. Shpg. wt., 4 lbs.

94 S 097. *Only $2 Down.* NET.......................... 24.95



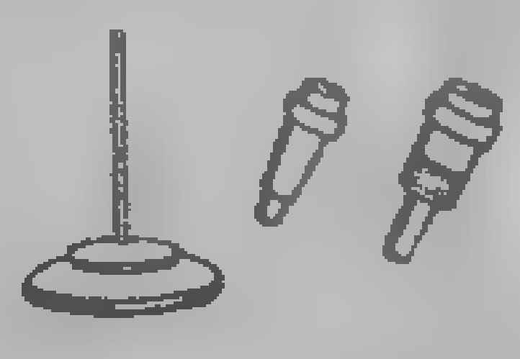
Screw-Type Connector and Phone Plug Adapter Are Already Attached—No Soldering Is Required

Low Cost Includes Attractive Metal Desk Stand; Has Tip-Proof Base

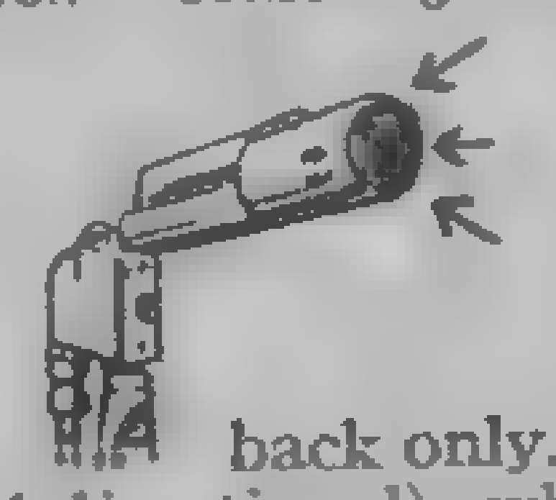
IT'S EASY TO SELECT A MICROPHONE BEST SUITED TO YOUR EXACT NEEDS

The data below is supplied to help you choose the type of microphone which is best suited to your specific requirements. Should you need any additional information, write to our Audio Division. Tell us what you have in mind—home or professional recording, public address use, etc. You'll get a prompt reply. There is no charge o obligation— consulting service is free.

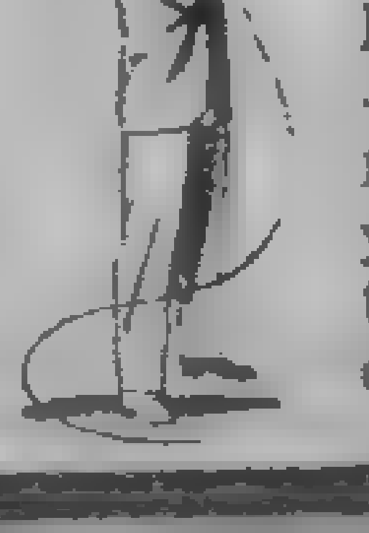
CRYSTAL, CERAMIC, DYNAMIC? Each type of mike has specific advantages —crystal mikes are low in cost and offer wide frequency range, but can be damaged by extremes of temperature. Ceramic mikes offer similar performance, but withstand wide climatic variations. Dynamic mikes have wider, smoother response; are indispensable for high-quality professional use; are shock and weather proof.



STANDS & CONNECTORS. All of the mike stands in this Catalog have 5/8"-27 threads that fit any threaded mike or adapter. Most mikes are supplied less connecting plug for attaching the mike cable to the amplifier. This is because the type of connector on the amplifier varies with the manufacturer. For connectors used to attach mike cables to amplifier and recorder inputs, check Index under "Connectors."

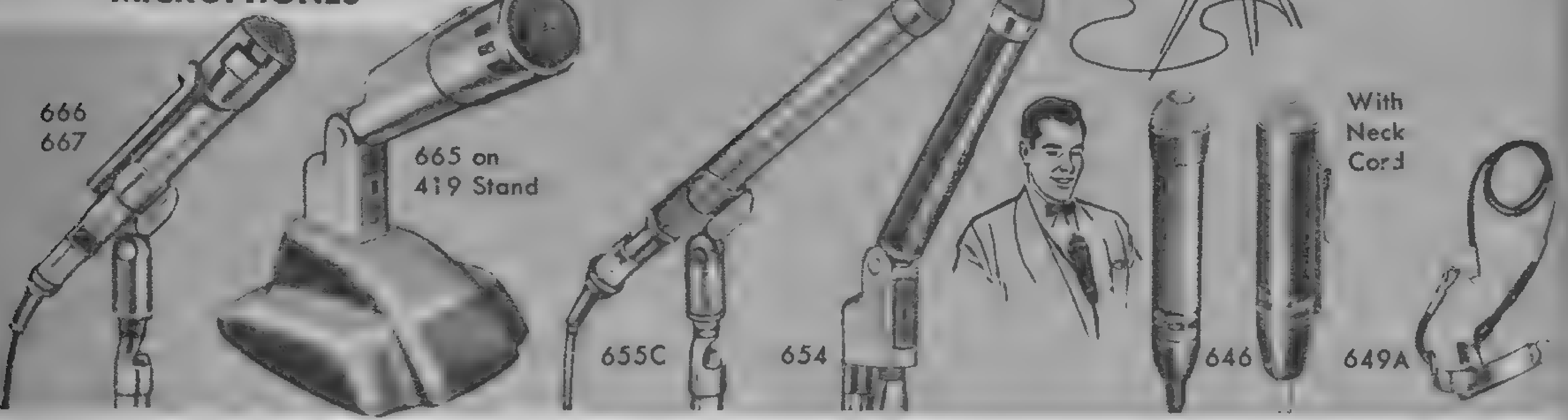


DIRECTIONAL CHARACTERISTICS. All-directional mikes (also called omni and non-directional) pick up sounds from all directions. Bi-directional mikes pick up sound from front and back only. The most directional mike is the cardioid (uni-directional), which picks up sound from the front only. It is used by singers, speakers, etc., and is ideal for P.A. use.



LONG MIKE LINES, DB RATINGS. Most P.A. amplifiers and tape recorders have high-impedance inputs. A high-impedance mike can be used with cables up to 45 ft. in length. For longer lines, use a low-impedance mike and line-matching transformer. Db ratings give you an idea of the relative sensitivity of a mike. Since the numbers are negative, —50 db provides a louder output than —55 db.

Electro-Voice
BROADCAST AND TV MICROPHONES



Variable Cardioid Mikes

MODEL 666. Superior dynamic mike for broadcast and TV use; variable "D" design for effective cardioid pattern—discriminates against unwanted sound from sides and rear. Response is flat from 30 to 16,000 cps; average front-to-back ratio, 24 db. Output level, −55 db; adjustable to 50, 150 or 250 ohms. 1¾x7½". With clamp-on adapter for ½" and ⅝"-27 stands and detachable 20-ft., 3-conductor shielded cable. Shpg. wt., 1 lb. *Only $5 Down.*
99 S 593. List, $255.00. NET....**149.94**

MODEL 667. Adjustable response curve to compensate for the acoustics of any location. For network TV and other critical uses. Includes special transistor preamp providing 20 response characteristics, individual bass and treble control, and four levels of attenuation. Response is uniform, 35 to 16,000 cycles. Output level, variable, −30 to −48 db. For 250, 150 or 50-ohm circuits. Noise level is −123 dbm; dynamic range at maximum gain setting is 120 db. Mike, 1¾x7½"; preamp, 9x3⅞x3¹¹⁄₃₂". With 50-ft. and 20-ft. cables and connectors, ½" pipe thread with ⅝"-27 adapter. 4 lbs. *$10 Down.*
94 SU 093. List, $600.00. NET..**352.80**

MODEL 665. Similar in design and function to Model 666 mike, but for less exacting applications. Response, 50 to 14,000 cps. Output, −55 db. Recessed switch selects 50 or 250 ohms. Dia., 1⅞"; 7³⁄₁₆" long. 18-ft., 3-cond. shielded cable and adapter for ½" and ⅝"-27 stands. 2 lbs. *$5 Down.*
99 S 530. List, $150.00. NET.....**88.20**

MODEL 366 BOOM SHOCK MOUNT. For 666 or 667. Wt., 12 oz. *$2 Down.*
94 S 057. List, $40.00. NET........**23.52**

MODEL 524 WIND SCREEN. For 666 or 667. Shpg. wt., 2 oz.
94 S 083. List, $8.00. NET..........**4.70**

"Slim-Trim" Dynamic Mikes

MODEL 654. This moderately priced dynamic mike performs beautifully in an extremely wide variety of applications. Essentially flat frequency response from 50 to 16,000 cps. All-directional pickup pattern. Switch selects 50 or 250-ohm impedances. Output, −55 db. Dia., 1³⁄₃₂"; 10¹⁄₁₆" long. ⅝"-27 thread. With detachable, 18-ft., 3-conductor shielded cable. 1¼ lbs. *$5 Down.*
99 S 583. List, $100.00. NET.....**58.80**

MODEL 655C. Deluxe, studio-quality "Slim-Trim" dynamic mike for exacting professional recording and broadcasting applications. Wide frequency response, all-directional pickup range, and light weight (only 7 oz.), make it ideal for TV staging and audience participation. Can be used on stand, in hand or on boom; easily concealed in studio props. Breath-blast filter head. Essentially flat from 40 to 20,000 cps. Output, −55 db. Quickly changed impedances of 50, 150 and 250 ohms (connected for 50 ohms when shipped) on terminals in case. Has cast-aluminum case; non-reflecting gray. Dia., 1⅛"; 10⅜" long. With clamp-on adapter for ½" and ⅝"-27 stands; detachable, 20-ft., 3-conductor, shielded cable. Shpg. wt., 1¼ lbs. *$5 Down.*
99 S 579. List, $200.00. NET.....**117.60**

DESK STANDS FOR E-V MIKES

MODEL 419. Illustrated above with 665 mike. For use with 665, 664 and 654 microphones. Shpg. wt., 3 lbs.
94 S 082. List, $10.00. NET........**5.88**

MODEL 420. Similar to 419 desk stand, with clamp for mounting 666, 655C, 646 and 647 microphones. Shpg. wt., 4 lbs.
94 S 056. List, $20.00. NET.......**11.76**

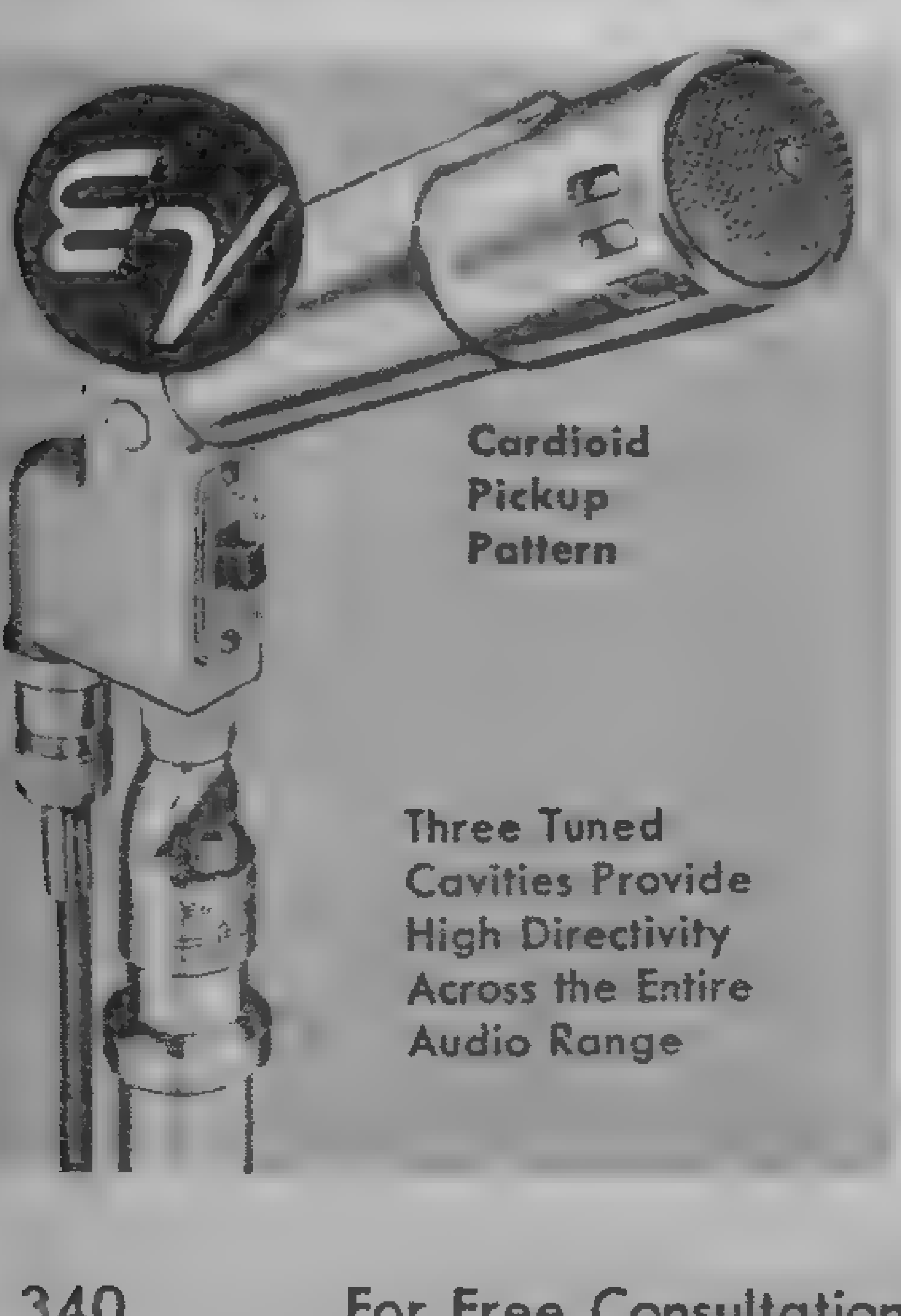
Lavalier Dynamic Mikes

MODEL 646. All-directional, TV and broadcast dynamic mike. Highly versatile—completely inconspicuous. This unusually small, 7-oz. mike can be hung from neck, hand-held, used in desk stand or suspended from boom. Particularly suitable wherever concealment of mike, mobility, or freedom of hands is desired. An exceptionally fine choice for TV panel shows, "man-on-the-street" interviews, audience participation shows, etc. Extremely rugged—can be used indoors or outdoors. Grille is designed to avoid effects of wind and breath blasts. Response, 50-10,000 cps. Recessed screw high-frequency adjustment. Output level, −57 db. Low-impedance—works into 50-250 ohm inputs. Aluminum case in non-reflecting gray. Diameter, 1"; 6⅝" long. With 30-ft. cable, carrying bag, neck cord, belt clip. Shpg. wt., 1 lb. *$5 Down.*
93 S 408. List, $147.50. NET.....**86.73**

MODEL 649A. An ultra-small lavalier microphone—only ¾" in diameter and 3⁷⁄₁₆" long. Weighs only 3 ounces. Response, 60 to 12,000 cps. Output, −60 db. Low-impedance—works into 50-250 ohm inputs. All other specifications same as Model 646. With 30-ft. cable, carrying bag, neck cord and belt clip. Wt., 1 lb. *$5 Down.*
93 S 476. List, $105.00. NET......**61.74**

WE'LL BE GLAD TO ORDER OTHER E-V MIKES FOR YOU!

If you haven't found the E-V mike you're looking for, write to us giving the Model No. or Type. We can supply any E-V microphone not listed on these pages, as a Special Order. Address our Audio Division.



Model 664 Variable "D" Dynamic Microphone

NET
$49.98
Only $2 Down

- Perfect for Auditoriums Having High Reverberation
- Performer Can Work Twice As Far from Microphone
- Does Not Boom When Performer "Crowds" Microphone
- Excellent for Outdoor Use—No Street Noise Pick-Up

This skillfully designed, ruggedly constructed mike is a superb P.A. performer. Picks up from front only—provides high front-to-back discrimination against unwanted sounds, without close-talking boominess.

Employs variable "D" (variable distance) construction to produce cardioid pattern. Highly useful for PA where ambient noise and severe reverberations exist.

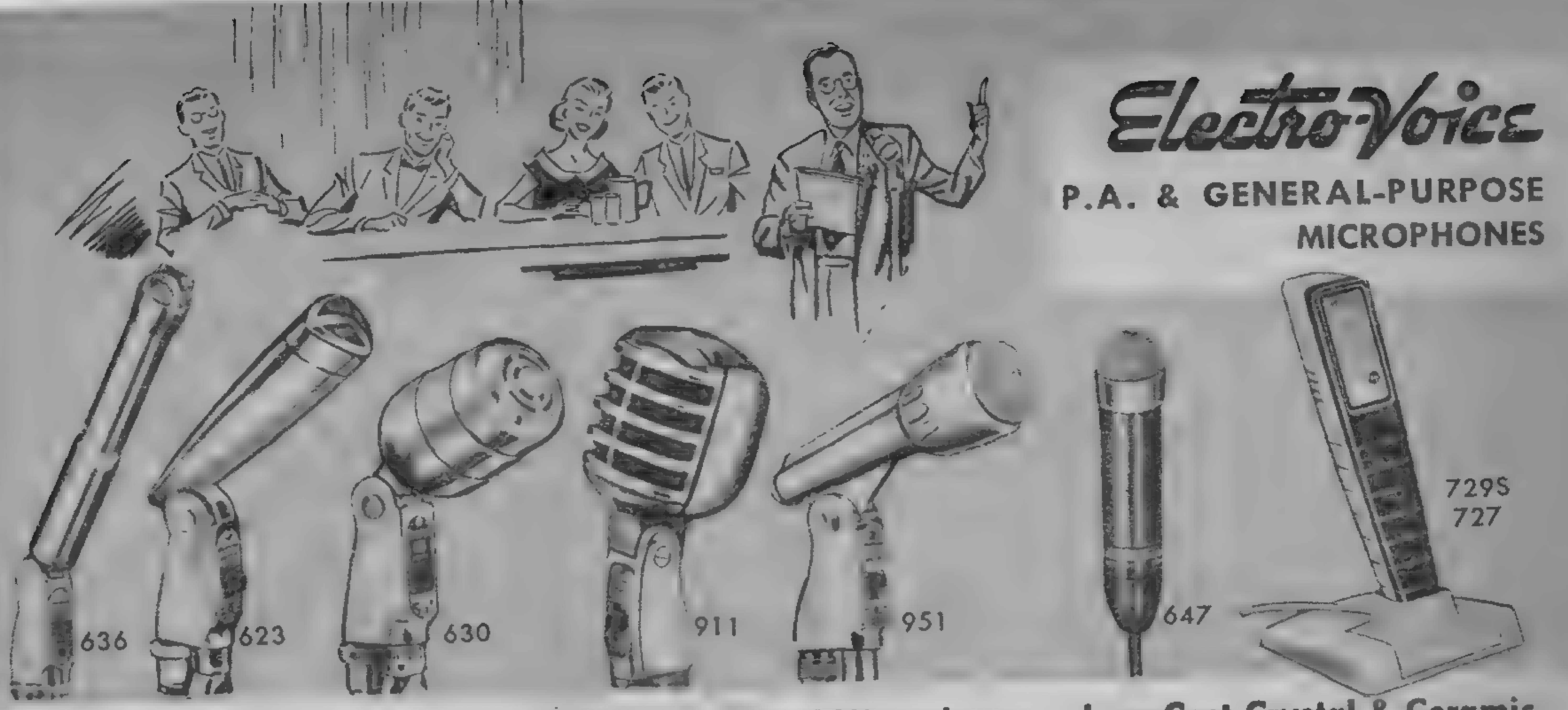
Provides natural reproduction of voice and music—increases working distance from microphone—provides greater protection against feedback problems. Equipped with a "pop-proof" wire mesh grille, the 664 minimizes wind and breath blasts—excellent for outdoor public address use in fixed or mobile installations. Diaphragm is shielded from dust and magnetic particles. Rugged construction and use of non-metallic diaphragm permits smooth response over a wide frequency range. Withstands high humidity, temperature extremes and severe mechanical shock. Virtually indestructible under normal use. Can be used on floor or desk stand, or carried in the hand.

Response from 40 to 15,000 cycles. Output level, −55 db. Has 150-ohm and high-impedance output. Supplied wired for high impedance. ⅝"-27 thread. Cast zinc case, finished in glistening chrome.

With on-off switch; and detachable, 18-ft. 2-conductor cable. Diameter, 1⅞"; 7³⁄₁₆" long. Shpg. wt., 2 lbs.
99 S 531. List, $85.00. NET.......**49.98**

Electro-Voice

P.A. & GENERAL-PURPOSE MICROPHONES



All-Directional Dynamic Microphones

MODEL 636 "SLIMAIR." For P.A. use and tape recording of individual and group singers and speakers, choirs, orchestras, etc. Wire mesh blast-filter. 90° swivel. Response, flat from 60 to 13,000 cps. 150-ohm or high impedance (connected for high-impedance output when shipped). Output, −58 db. Chrome-plated steel case. 1⅛" dia., 10¼" long. ⅝"-27 thread. On-off switch. With detachable, 18-ft. 2-conductor shielded cable. Shpg. wt., 2 lbs. *$2 Down.*
99 S 581. List, $72.50. NET......**42.63**

MODEL 636G. As above, gold finished.
99 S 591. List, $77.50. NET.......**45.57**

MODEL 623. Low-cost, slim-styled mike for P.A., recording and communication use. 60 to 12,000 cps. Output, −56 db. 150-ohm or high-impedance output (connected for high-impedance when shipped). On-off switch. Chrome-plated. Dia., 1$\frac{5}{16}$"; 7½" long. ⅝"-27 thread. With 18', 2-cond. shielded cable. Shpg. wt., 2 lbs. *$2 Down.*
99 S 595. List, $57.00. NET......**33.52**

MODEL 630. Popular mike for P.A., dispatching call systems, industrial uses, recording and general use. Response, 60 to 11,000 cps, Output, −55 db. 150-ohm model has detachable 18-ft., 2-cond. shielded cable; high-impedance model has detachable 18-ft., single-cond. shielded cable. Chrome-plated. On-off switch. Dia., 2"; 6¼" long. ⅝"-27 thread. Shpg. wt., 2 lbs. *$2 Down.*
99 S 347. 150-Ohm Impedance.
99 S 336. High-Impedance.
List Each, $52.50. NET EACH......**30.87**

"Mercury" Crystal Microphone

MODEL 911. For low-cost P.A. applications, home recording, Amateur use, etc. All-directional pickup pattern becomes slightly directional with increased frequency. Response, 50 to 9000 cps. Output level, −50 db. High-impedance output. Chrome-plated case, 2⅜x3⅛x6¾" long. Upright swivel mounting; Off-On switch. ⅝"-27 thread. With 18-ft. detachable cable. Shpg. wt., 2½ lbs.
99 S 554. List, $32.50. NET.........**19.11**

Lavalier Dynamic Mike

MODEL 647. Small, rugged all-directional mike for P.A. use. Can be hand-held, suspended from neck, used on desk stand or boom. Excellent wherever concealment, mobility or free use of hands is desired. Peak-free response from 60 to 10,000 cps. Output level, −55 db. Non-reflecting gray. Dia., 1"; 5" long. With neck cord, belt clip, 2 wrenches and detachable, 18-ft. 2-conductor cable. Shpg. wt., 1¼ lbs. *$2 Down.*
99 S 538. 150-Ohm Impedance.
99 S 585. High-Impedance.
List Each, $82.50. NET EACH.......**48.51**

MODEL 418 DESK STAND. Similar to Model 419 on opposite page. For 951. 911. 636. 630 and 623 mikes. Cast iron; gray. 4 lbs.
94 S 059. List, $10.00. NET........**5.88**

MODEL 502 MATCHING TRANSFORMER (Not illus.) Allows connecting long-line, low-impedance mikes to amplifiers with high-impedance input. With connector and 2-ft. single cond. cable. Shpg. wt., 1 lb.
94 S 084. List, $17.50. NET **10.29**

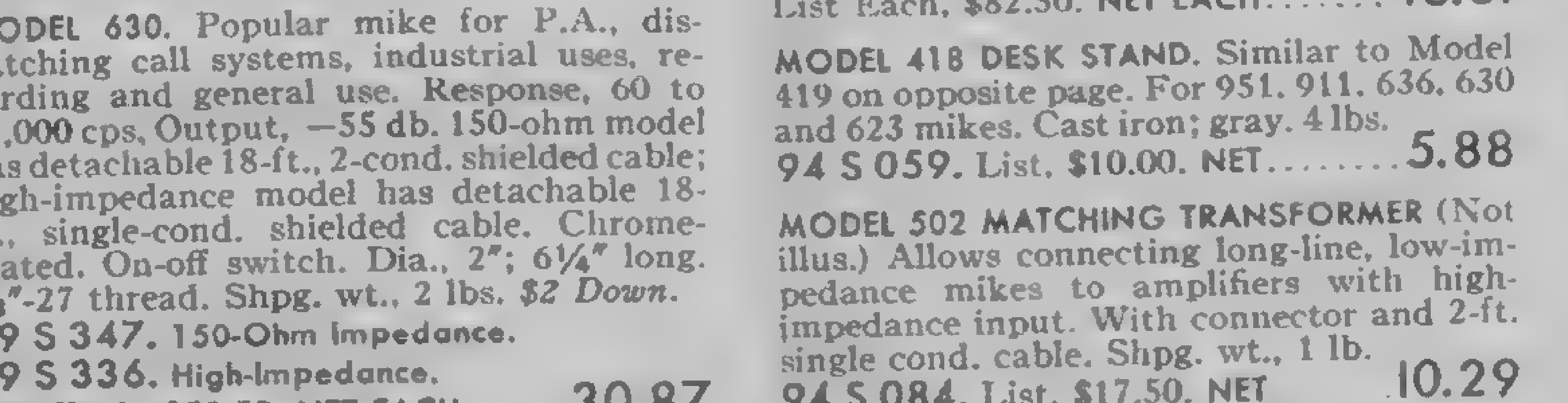
Low-Cost Crystal & Ceramic Cardioid Microphones

MODEL 951 CRYSTAL. Excellent crystal microphone using exclusive variable "D" principle to achieve cardioid directivity and uniform frequency response. Designed to provide the wide-range reproduction required in many P.A. applications; pop-proof wire mesh grille minimizes wind and breath noises. Uniform polar response makes it highly suitable for noisy locations, or where much echo is present. Response, 50 to 11,000 cps. Output, −60 db. Chromed, die-cast case. 1¾x5⅜". With 18-ft. shielded, single-conductor cable. 1½ lbs. *$2 Down.*
94 S 092. List, $49.50 NET........**29.11**

MODEL 729S CERAMIC. Exceptionally low-priced uni-directional cardioid mike. Offers high front-to-back discrimination. Withstands extremes of temperature and humidity. For P.A. use, home recording, Amateur radio, call and paging systems, etc. Response, '60-8,000 cps. Output level, −60 db. High-impedance. Handy On-Off switch. Gray die-cast front, plastic back. With desk stand, plus floor stand adapter. Dia., 1$\frac{7}{16}$"; 8$\frac{7}{32}$" long. With 10-ft. cable. Shpg. wt., 1 lb.
93 S 223. List, $26.50. NET.......**15.58**

MODEL 729. As above, less switch.
93 S 222. List, $24.50. NET........**14.41**

MODEL 727 CERAMIC. All-directional, with desk stand, plus floor stand adapter. Response 60-8,000 cps. Output level, −55 db. High-impedance. 7⅞x1½x1¼". 5-ft. cable. Shpg. wt., 1½ lbs.
93 S 226. List, $18.00. NET.......**10.58**



POPULAR ECONOMY MIKES

MODEL 605 DYNAMIC. All-directional; 65-8000 cps. For paging and call systems. High-impedance. 2x3¼". 18-ft. cable. 1 lb.
99 S 592. List, $32.50. NET... . ...**19.11**

MODEL 715 "CENTURY" CERAMIC. Humidity-proof element; output, −55 db. 60-7000 cps. High imp. 3x2$\frac{3}{16}$x1". ⅝"-27 stand adapter. With 5-ft. cable. 1 lb.
99 S 586. List, $13.00. NET **7.65**

MODEL 715-S. As above, with Off-On switch.
93 S 227. List, $15.00. NET.........**8.82**

MODEL 415 DESK STAND. For "Century" mikes. 15° tilt for desk use. Shpg. wt., 6 oz.
94 S 050. List, $1.75. NET......... **1.03**

NOISE-CANCELLING MIKES

All have press-to-talk switch for mike and relay control. Rugged, black phenolic cases.

602 DIFFERENTIAL DYNAMIC. For 2-way radio, mobile P.A., etc. 100-7000 cps. −55 db. High-imp. 2¼x2x4". 5' coiled cable. Shpg. wt., 10 oz. *$2 Down.*
93 S 224. List, $57.50. NET.......**33.81**

600-D DYNAMIC—LOW-Z. Not differential; 250-ohm impedance. *$2 Down.*
90 S 206. List, $47.50. NET.......**27.93**

600-D DYNAMIC—HIGH-Z. As above; hi-imp.
90 S 209. List, $47.50. NET.......**27.93**

205KK—DIFFERENTIAL CARBON. For high noise, 100-4000 cps. −50 db. 2½x2½x4". Mtg. bracket, 5' coiled cable. 1 lb.
99 S 590. List, $45.00. NET.......**26.46**

Model 644 "Sound Spot" Microphone

NET
$64.68

Unique uni-directional dynamic mike that allows you to stand 4 times as far away as you would with a conventional mike. Combination cardioid and distributed front opening allows pickup from front only, cancels out noise from side and rear. Reverberation and feedback reduced to vanishing point. Tops for outdoor use. 40-12,000 cps. Output, −53 db. Dual high and low impedance selected by changing MC4M connector. Die-cast zinc case with ¾" aluminum tube. Dia., 2 /16"; length, 16". With 18-ft. cable. Shpg. wt., 22 lbs. *$5 Down.*
90 S 207. List, $110.00. NET.....**64.68**

Popular P.A. and Broadcast Microphones

NEW!

Cardioid Dynamic Microphone

NET $\$49^{98}$

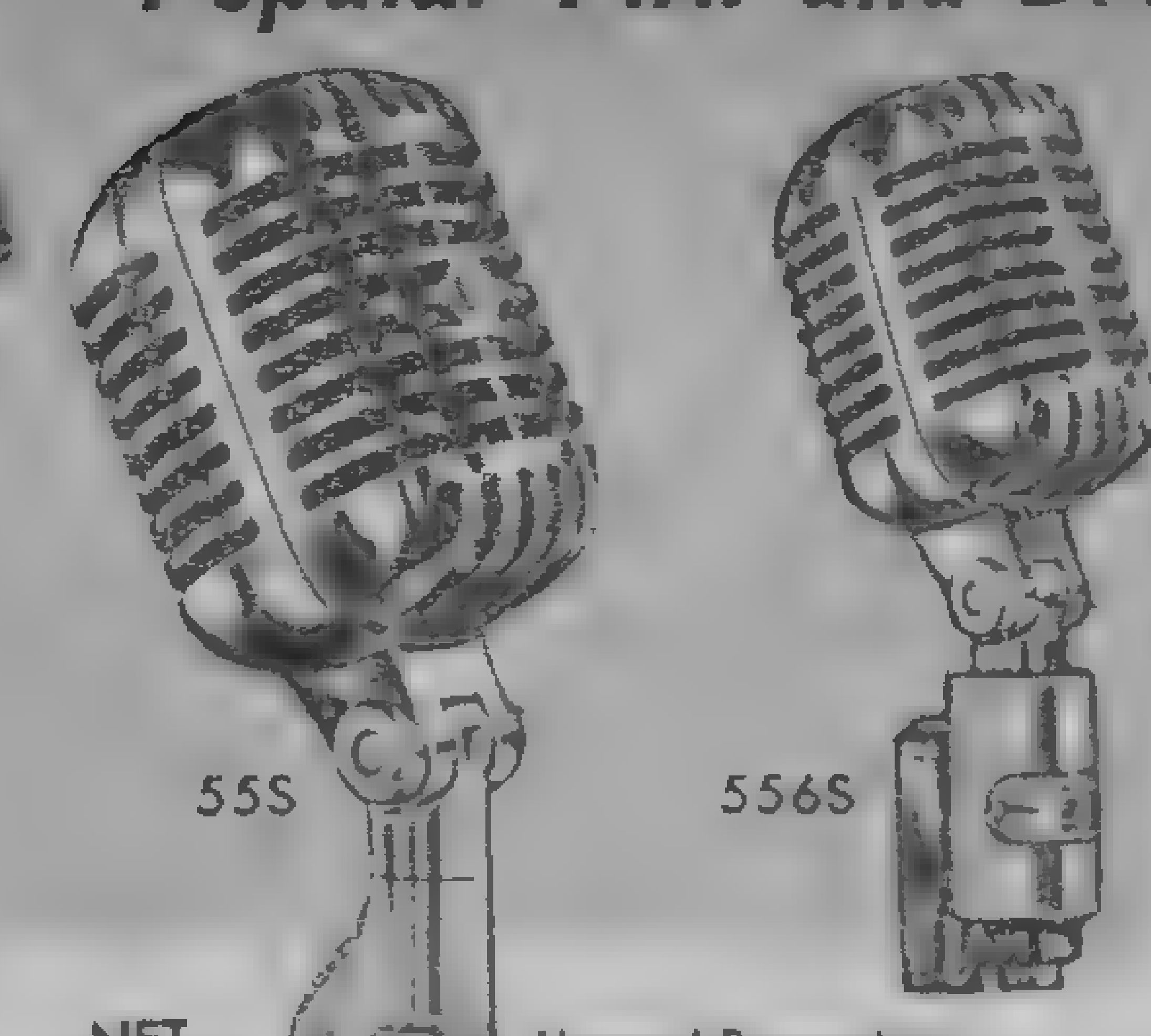
$2 Down

- Smooth, Wide Response
- Easily Changed From High to Low Impedance
- Includes Swivel Adapter

No finer choice for use in sound systems of any type, or for tape recording applications, than this new and beautifully styled dynamic mike from Shure! Extremely effective in minimizing feedback problems where sound reinforcement speaker is located in the same room with the microphone; also gives you greater control of sound in tape recording. Highly directive, the 545 picks up sound mainly from the front.

Slender design and small size recommend it for hand-held use; includes A-25 swivel adapter (see next page). Adapter has ⅝"-27 thread. Dual-impedance; can be changed from high to low impedance by moving one wire in plug (wired for high-impedance when shipped). Response, 50 to 15,000 cps. Output: Hi-Z, −55 db; Low-Z, −57 db. Size, 5 13/16" long; 1¼" in diameter. Attractively styled in satin chrome and gleaming black. With A-25 swivel adapter and 18-ft., 3-conductor shielded cable. Shpg. wt., 3 lbs.

90 S 402. List, $85.00. NET......**49.98**



Unusual Ruggedness; True Sound Reproduction

NET $\$48^{80}$

$2 Down

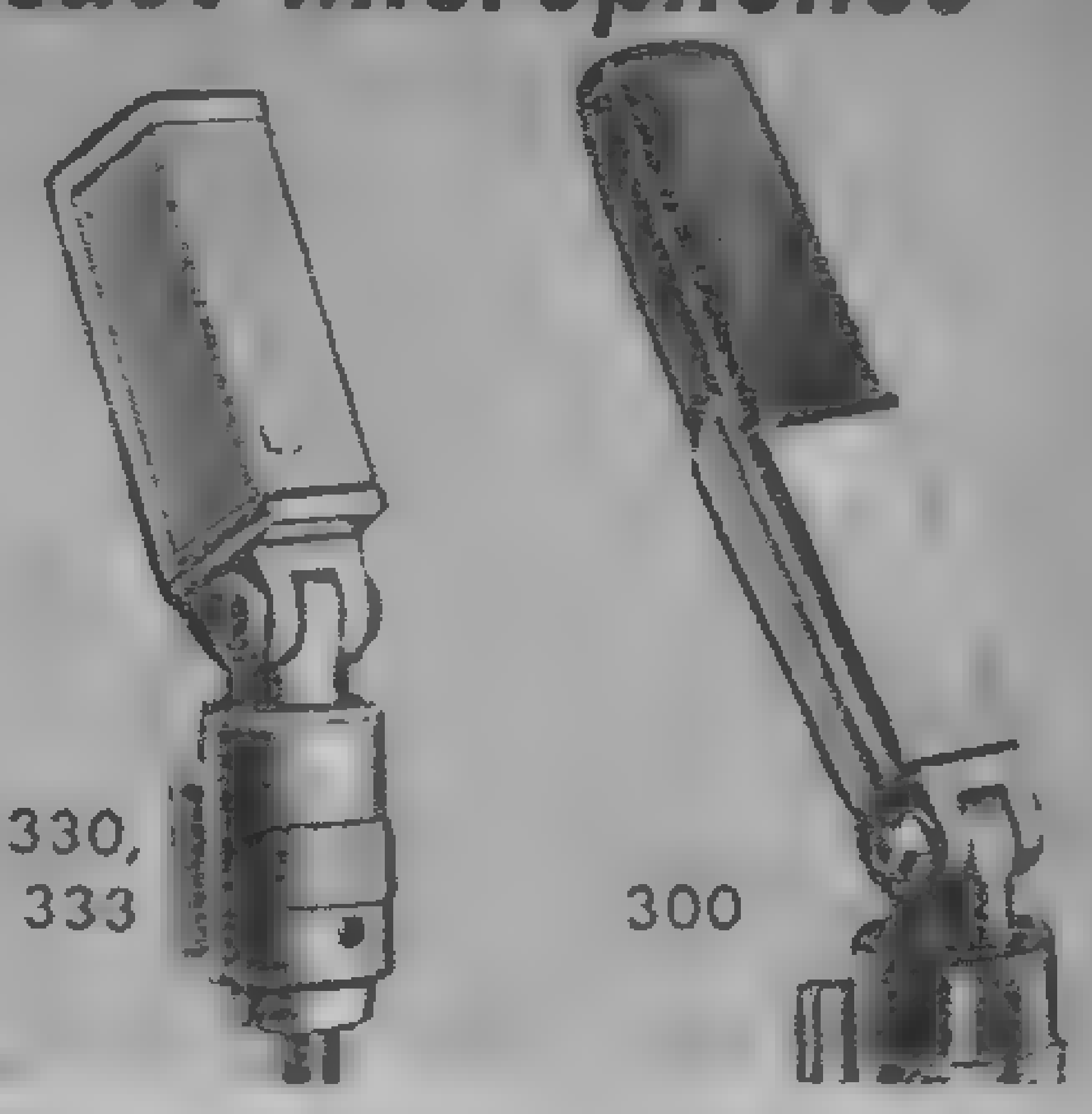
"Unidyne" Cardioid Dynamic Mike

MODEL 55S. Rugged, dynamic mike; withstands severe mechanical shock as well as heat and moisture. Cardioid feature permits placement at a distance from performer 75% greater than all-directional mikes. An ideal singer's or announcer's mike. Response, 50 to 15,000 cps. Switch selects impedances of 35-50 ohms, 150-250 ohms, and high impedance. Output is −57 db at high impedance. Swivel mtg. Satin chrome finish. ⅝"-27 thread. Detachable, 18-ft., 2-conductor shielded cable. Size, 4x2 3/16x3 1/16". Shpg. wt., 4¼ lbs.

99 S 395. List, $83.00. NET......**48.80**

MODEL 556S. Deluxe version of above. Built to extremely close tolerances to give improved response (40-15,000 cps), and directivity. Live rubber isolation unit in stand connector deadens vibrations. With Cannon XL-3. Wt., 4½ lbs. *$5 Down.*

99 S 396. List, $135.00. NET.....**79.38**



NET $\$70^{56}$

$5 Down

MODEL 330 "UNITRON." Rugged, ultra-cardioid studio-quality mike—primarily for indoor use. Ribbon element; superb voice and music reproduction. Reduces pickup of random and background noises by 73%. Response, ±2½ db, 30-15,000 cps. 3-pos. switch selects 50, 150 or 250-ohm impedances. Output, −60 db. Wind and blast filter, etc. ⅝"-27 thread. Satin-chrome. 3 9/16x1⅛x1¾". Detachable 20-ft. cable with Cannon XL-3. 4 lbs.

94 S 090. List, $120.00. NET.....**70.56**

MODEL 333. Deluxe version of above; Voice-Music switch, non-reflecting bronze.

99 S 456. List, $250.00. NET.....**147.00**

DELUXE BI-DIRECTIONAL MODEL 300. Has shock mount and Voice-Music switch. 40-15,000 cps. 30-50 ohms, 150-250 ohms, and high-imp. Output, −57 db at high-imp. Bronze. With 20-ft. shielded cable and Cannon XL-3. 6x1 7/16x1 3/32". Wt., 3¾ lbs. *$5 Down.*

99 S 397. List, $150.00. NET.....**88.20**

MODEL 315. As above; less shock mount and Voice-Music switch. 50-12,000 cps. Chrome.

99 S 398. List, $89.50. NET **52.63**

NEW!

"Commando" Microphones

All-directional mikes (also called omnidirectional) respond equally well to sounds from all directions (360°). Controlled magnetic construction. Response, 60-10,000 cps. Output, —52 db.

MODEL 415. Die-cast metal case, satin chrome. High-impedance. ⅝"-27 swivel adapter, 7-ft. single-cond., non-detachable shielded cable. 6 13/16" long. 1 lb.

94 S 085. List, $27.50. NET........**16.17**

MODEL 420. Dual-impedance—150-250 ohms and high-impedance. Gray polystyrene case. With 20-ft., 2-cond. shielded cable and lavalier cord with clip. 3 11/16x1⅛". Wt., ½ lb.

94 S 086. List, $30.00. NET.......**17.64**

NEW MODEL 425. Same as Model 420, but fitted for mounting on goose-neck. 7-ft., 2-cond., shielded cable; less lavalier cord.

90 S 403. List, $30.00. NET.......**17.64**

MODEL 430. Same as 415, but with press-to-talk switch. 150-250 ohms and high-impedance. Chrome, die-cast metal case. With detachable 15-ft., 2-cond. shielded cable and cover plate. 6 11/16" long. ⅝"-27 swivel adapter. 1½ lbs. *$2 Down.*

94 S 087. List, $38.50. NET.......**22.64**

Model 51 "Sonodyne" Dynamic

Moderately priced, semi-directional microphone for recorder and public address applications. Immune to effects of temperature and humidity. Frequency response from 60 to 10,000 cps. Has multi-impedance switch; 35 to 50 ohms, 150 to 250 ohms, and high impedance selected by screwdriver adjustment. Output, −52 db. Satin chrome finish. ⅝"-27 thread. Swivel mount. Detachable, 15-ft., two-conductor shielded cable. Size, 5 3/16x3⅛x2⅛". Wt., 3½ lbs. *$2 Down.*

99 S 378. List $49.50. NET........**29.11**

Model 525 Studio "Slendyne"

All-directional, professional dynamic mike. Dynamic range of 125 db. Response, ±2.5 db from 40 to 15,000 cps. Switch selects impedance of 50, 150 and 250 ohms. Custom-built for hi-fi reproduction of voice and music. May be used on a floor or desk stand, hand held, suspended from neck or clipped to belt. For indoor or outdoor use—unaffected by temperature and humidity. Output, −61 db at all impedances. Case is bronze; head is beige. With lavalier cord, belt-clip, A-25 swivel adapter for ⅝"-27 thread stands, and detachable 20-ft. shielded cable with Cannon XL-3. 8½" long; 1⅛" dia. Wt., 3¼ lbs. *$5 Down.*

99 S 454. List, $200.00. NET.....**117.60**

Model 535 "Slendyne"

Moderately priced, all-directional dynamic mike. Ruggedly designed; unaffected by temperature extremes. Unusually practical; excellent for indoor and outdoor sound system applications. Can be hand-held, used on floor or desk stand, or hung around neck with lavalier cord and clip assembly (supplied). Response, 60-13,500 cps. Dual-impedance switch selects 50-250 ohms and high-impedance. Output, −61 db. With swivel adapter, ⅝"-27 thread. Detachable. 18-ft. 2-cond., shielded cable with Amphenol MC3 connector. 7 19/32" long; 1⅛" diameter. Shpg. wt., 3 lbs. *$2 Down.*

99 S 657. List, $72.50. NET......**42.63**

Communications Microphones

MODEL 520SL "DISPATCHER." Ruggedly-built, controlled-magnetic microphone. Has grip-to-talk, slide-to-lock switch bar that operates microphone and relay circuits. Response, 100-9000 cps. Output, −52.5 db. High impedance. Chrome and green with 7-ft., 2-cond. shielded cable. 9½" high; 5" base. Shpg. wt., 5 lbs. *$2 Down.*

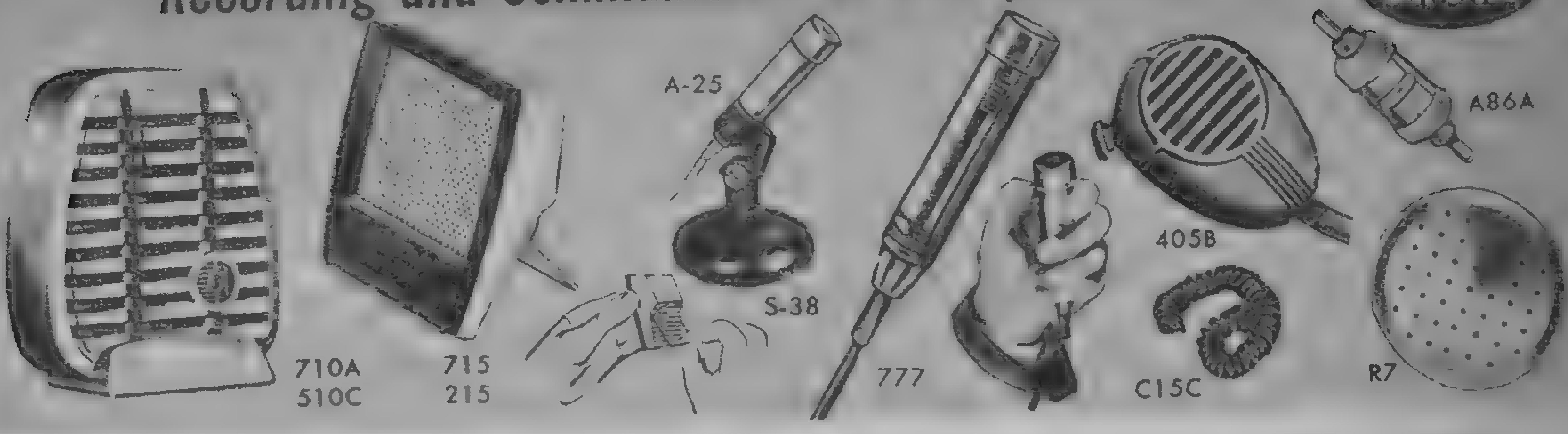
99 S 388. List, $45.00. NET......**26.46**

NEW MODEL 520SL-B "DISPATCHER." As above, but low-impedance—150-250 ohms.

90 S 404. List, $49.25. NET.......**28.96**

Recording and Communications Microphones

SHURE



Semi-Directional Mikes

MODEL 710A "REX." Crystal microphone for home recorders, Amateur radio, etc. Response, 60-9000 cps. Output, −50 db, high impedance. With 7-ft. cable. Burgundy-red metallic finish. 3⁷⁄₃₂x2¹¹⁄₁₆x1⅛". ⅝"-27 thread. Wt., 1¼ lbs.
99 S 386. List, $12.00. **NET**.......7.05

MODEL 710S. As above, with Off-On switch.
99 S 387. List, $14.00. **NET**.........8.23

MODEL 510C "HERCULES." Controlled-magnetic mike. For indoor or outdoor use. Resists effects of heat and humidity. Respons, 100-7000 cps. Output, −52.5 db, high impedance. With 7-ft. cable. Green finish. 3⁷⁄₃₂x2¹¹⁄₁₆x1½". ⅝"-27 thread. Shpg. wt., 1½ lbs.
99 S 384. List, $17.00. **NET**......10.00

MODEL 510S. As above, with Off-On switch.
99 S 385. List, $19.00. **NET**.......11.17

MODEL 715 "STARLITE." Extremely popular, high-output crystal mike; ultra-smart design. For home recording, intercom, etc. Has a retractable, built-in stand. Output, −50 db, high impedance. Response, 60-10,000 cps. Impact-resistant, polystyrene case; gray and black finish. 3⁵⁄₃₂x2³⁄₁₆x1⁹⁄₃₂". 5-ft., single-cond. cable. Wt., 1½ lbs.
94 S 089. List, $8.00. **NET**........4.70

MODEL 215. As above, but ceramic element. Output, −56.5 db.
94 S 088. List, $8.00. **NET** 4.70

Model 777 "Slim-X" Mike

Multiple-purpose crystal mike. Can be worn as a lavalier, hand held, or mounted on stand. In vertical position, pickup pattern is all-directional. Response, 60-10,000 cps. Output, −62 db. High impedance. Satin chrome. Detachable, 7-ft. cable. With neck-strap holder. ⅝"-27 thread. 4⅜x1". 1 lb.
99 S 616. List, $25.00. **NET**.......14.70

MODEL 777S. As above, with Off-On switch.
99 S 617. List, $27.00. **NET**.......15.88

S-38 BASE. For above. Requires A-25, below. Shpg. wt., 1½ lbs.
94 S 038. List, $4.50. **NET**.........2.65

A-25 SWIVEL ADAPTER. For 777 mike and any stand listed in this Catalog. ⅝"-27 thread. Swings 90° in vertical plane. 8 oz.
94 S 039. List, $5.50. **NET**..........3.23

Replacement Mike Cartridges

MODEL R5. Not illus. High-impedance, controlled-magnetic type. 100-9000 cps. Output, −51.5 db. Fits Shure mikes: 405, 510 and 520. Depth ²⁷⁄₃₂"; dia. with mtg. ring, 2¹⁵⁄₆₄"; dia. less ring, 1⅞". Shpg. wt., 4 oz.
41 S 934. List, $11.00. **NET**......6.47

MODEL R7. High-impedance crystal type. 50-10,000 cps. Output, −50 db. Used in Shure 707A, 708A and most other Shure crystal mikes. Depth, ⅜"; dia. with rubber ring, 2³⁄₁₆"; dia. less ring, 1³¹⁄₃₂". 5 oz.
41 S 945. List, $8.25. **NET**......4.85

"Ten-Four" Series Mikes

NEW MODEL 405B. Controlled magnetic mike. Response, 200-8000 cps. Output, −50 db at 250 ohms. High-impact, "Armo-Dur" plastic case; blue-gray. With mtg. bracket and 5-ft., 4-cond. cable. 3¹¹⁄₁₆x2⅝x1⁴⁹⁄₆₄". Push-to-talk switch. 1¾ lbs.
90 S 401. List, $32.00. **NET**........18.81

NEW MODEL 405C. As above, but high impedance. Output, −50.5 db. With 5-ft. 3-cond. (one cond. shielded) cable.
90 S 400. List, $32.00. **NET**.......18.81

MODEL S-36A STREAMLINED DESK MOUNT. Fits all Shure mikes except Series 405, 100, 76B and 420. Similar to base on 520SL mike on previous page. Wt., 1¼ lbs.
94 S 035. List, $6.50. **NET**........3.82

MODEL A86A TRANSFORMER. For running lines from low-imp. mikes to high-imp. inputs. Matches 35-50 or 150-250 ohms. ±1 db. 20-20,000 cps. 2⅞x1⅝". 2 lbs.
41 S 917. List, $17.50. **NET**.......10.29

MODEL C15C RETRACTING MIKE CORD. Heavy, rubber-covered 4-conductor (not shielded) cable for use in mobile transmitters, etc. Extends to 5 ft. Wt., ½ lb.
41 S 932. List, $6.25. **NET**.........3.67

MODEL C10C RETRACTING MIKE CORD. Not illus. Tinsel-coiled; for use with any dynamic or magnetic mike where a shielded cable will prevent pickup of hum. Extends to 6 ft. With Amphenol MC4M. ½ lb.
94 S 439. List, $12.00. **NET**.......7.06

SONOTONE

Sonotone's "Ceramike" Tape Recorder Mikes

ONLY

$11⁴⁷

OVER ¼ MILLION NOW IN USE

- Employ Temperature-Proof Ceramic Element
- Outstanding Reproduction of Voice, Music
- Includes Shielded Cable, Standard Phone Plug

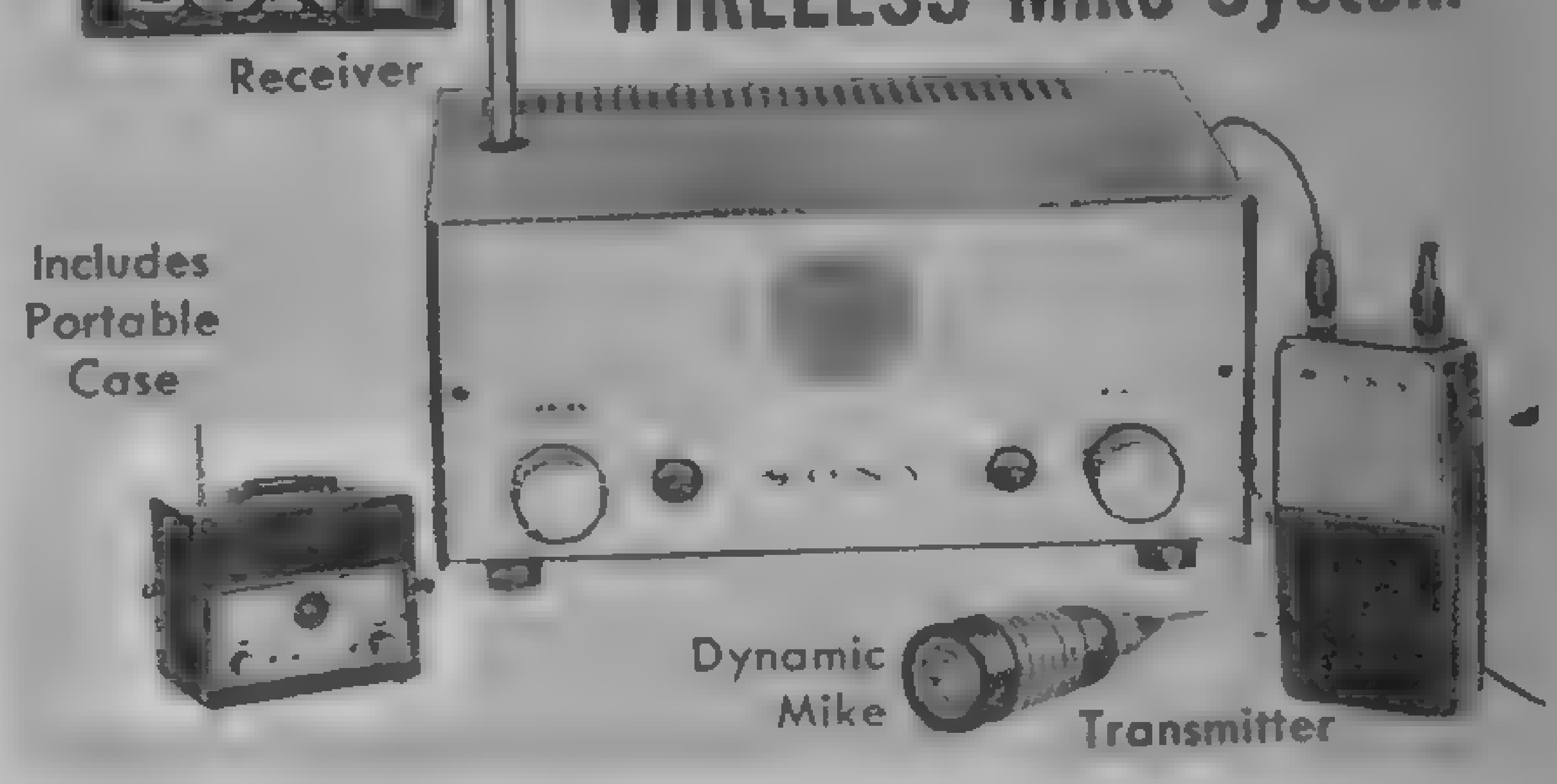
MODEL CM-10. A remarkable value at this low price, the CM-10 is ideal for use with tape recorders and P.A. sound systems. Offers exceptionally wide frequency response: ±3 db, from 50 to 13,000 cps. Provides full fidelity reproduction of voice and music. All-directional pickup pattern. Output level of −62 db. Ceramic element is impervious to moisture and extremes of temperature. High-impedance. Solid, die-cast metal case, satin chrome plated; stainless steel grille. 5⅛" long; 1⁹⁄₁₆" dia. With 7-ft. cable, terminating in phone plug. Shpg. wt., 2 lbs.
93 S 416. List, $19.50. **NET**..........11.47

NEW MODEL CM-11. As above, but has narrower frequency response (± 2 db, 50-8000 cps), and higher sensitivity (−57 db).
93 S 418. List, $19.50. **NET** 11.47

MODEL CMS-10 MATCHING TABLE STAND. For either mike above. Padded base. By removing base, swivel socket can be attached to any standard ⅝"-27 threaded mike floor stand. Shpg. wt., 2¼ lbs.
93 S 417. List, $5.00. **NET**...........2.94

SONY

WIRELESS Mike System



Complete System

ONLY

$250⁰⁰

$10 down

- Allows Complete Freedom of Movement— No Trailing Wires Underfoot
- System Includes All-Transistor FM Transmitter, Mike and FM Receiver

MODEL CR-4. With a useful range of over 500 feet, the Sony Wireless Mike is a "natural" for: broadcasting stations in remote pickups; auctioneers who need freedom of movement; recorded interviewing; auditing firms taking physical inventories with tape recorders; etc. Operates on 27.12 mc—no FCC license required. Consists of a pocket-size transistorized FM transmitter, rugged, lavalier-type dynamic microphone; 8-tube FM receiver; and portable carrying case. Transmitter is powered by two easily replaceable batteries (below), and has detachable antenna and Off-On switch. Receiver has "magic eye" for selective tuning, detachable telescoping antenna, built-in monitor speaker and jacks for detector and squelch output. Transmitter: 4x2¼x1"; receiver: 4½x9¾x6¾"; mike: 2¾" long, 1¾" dia. Imported from Japan. Receiver operates from 110-120 v., 50-60 cycle AC. Shpg. wt., 8 lbs.
93 SC 409. *Only $10 Down.* **NET**...... 250.00
80 J 785. **Battery for Above.** 2 required. 3 oz. **NET EACH**.....1.74

Dynamic, Crystal & Ceramic Microphones

ASTATIC

Model 77 Cardioid Mike

$48.51 $2 Down

High-fidelity uni-directional dynamic cardioid microphone. Features extremely high front-to-back cancellation of 18 db for highest resistance to pick-up from the rear—virtually eliminates possibility of feed-back. Other outstanding features include: rugged, dynamic cartridge, suspended to minimize unwanted mechanical vibrations; easy positioning of mike head—tilts 90° backward; Off-On switch that can be locked in "on" position. Essentially flat frequency response, 30 to 15,000 cps. "Pop" and "blastproof" "Mylar" diaphragm. Has output level of −52 db. Multi-switch impedance selector permits choice of: "L", 30-50 ohms; "M", 150-250 ohms; and "H", high impedance. ⅝"-27 thread. Satin-chrome finish. 8" high, 2⅛" wide, 2⅝" deep. With detachable, 20-ft. 2-conductor shielded cable. Shpg. wt., 3 lbs.
93 S 269. List, $82.50. NET.......**48.51**

SLIM 330 SERIES

New, beautifully styled series of mikes. All fit accessory A-7 stand (described below); all have positive Off On switch, except Model 331, which has momentary "on", spring-return switch. Include lavalier cord assembly for "no hands" use. 4½x1¼x1¼". Wt., 1 lb.

MODEL 332 CRYSTAL. Wide response: 30 to 15,000 cps. Output level, −57 db. Great for general-purpose tape recording, sound system and communications use. High-impedance. Black and chrome styling.
90 S 211. List, $17.90. NET.......**10.52**

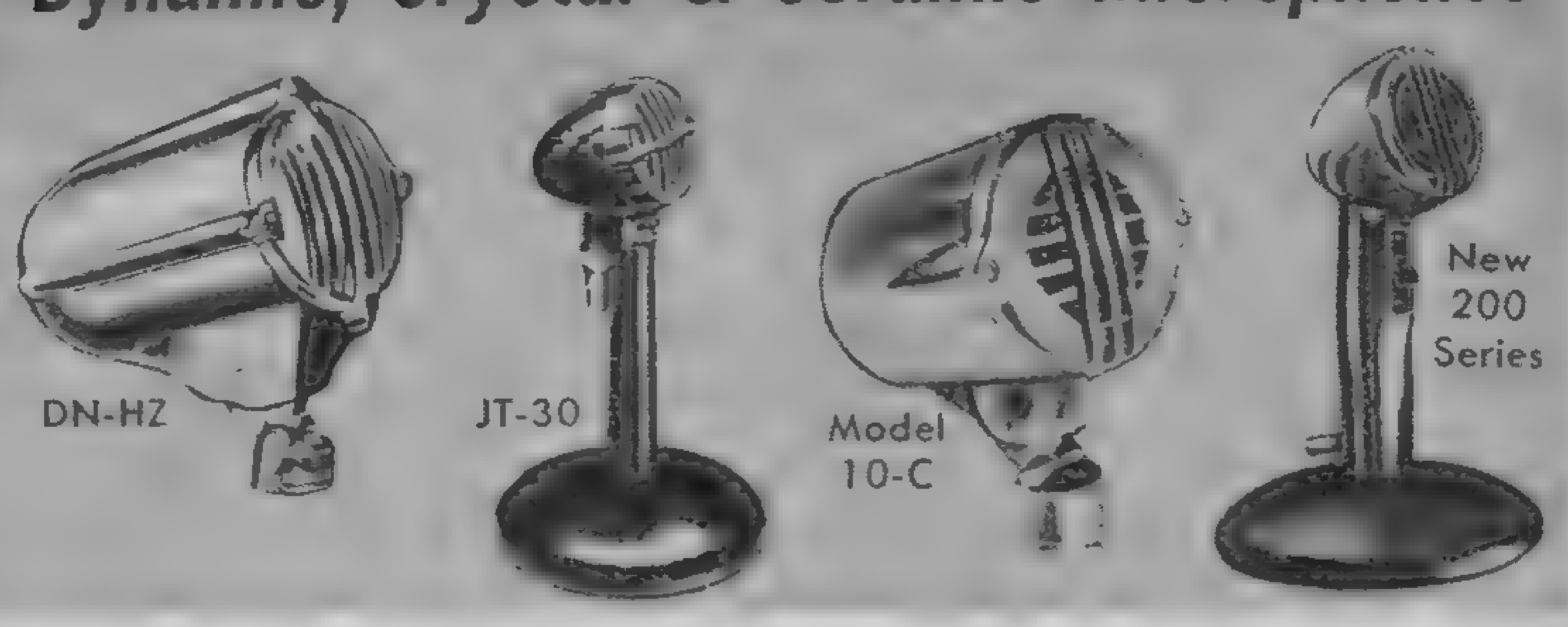
MODEL 331 CERAMIC. Voice range unit, designed for communications use, paging, Citizens band use. Momentary push-to-talk switch with provision for controlling relays. Response, 300-5000 cps. Output, −56 db. High-impedance. Black and chrome styling. Has hang-up bracket.
90 S 218. List, $17.90. NET.......**10.53**

MODEL 333 CERAMIC. Similar to 332, but response is 30-12,000 cps. Output, −58 db.
90 S 219. List, $17.90. NET.......**10.53**

MODEL 335H DYNAMIC. For high-quality recording and P.A. uses, etc. Response, 50-12,000 cps. Output, −56 db. High-impedance. TV gray and chrome styling.
90 S 220. List, $26.50. NET.......**15.58**

MODEL 335L DYNAMIC. Same as 335H, including response, but low-impedance and output is −57 db. TV gray, chrome.
90 S 221. List, $23.50. NET.......**13.82**

MODEL A-7 DESK STAND. Has adjustable swivel. Satin black plastic. Shpg. wt., 5 oz.
90 S 253. List, $2.45. NET..........**1.44**



MODEL DN-HZ DYNAMIC MIKE

A top-performing, all-directional high-impedance microphone. Ruggedly constructed, the "Commentator" features a handy, tilting-head swivel mount. An ideal unit for all general purpose semi or non-directional applications. Frequency response, 50-7000 cps. Output level, −52 db. Handsomely finished in opalescent gray baked enamel with gleaming chrome grille and trim. ⅝"-27 threaded mounting. 10-ft. cable. Wt., 2½ lbs.
99 S 304. List, $39.70. NET......**23.34**

POPULAR "SPOKESMAN" MIKES

MODEL JT-30. A budget-priced, all-purpose microphone. Ideal for P.A., recording, communications, etc. High impedance. Supplied with removable hand grip and interlocking desk-type stand. Detaches easily from hand grip for mounting on standard floor stands. Response, 30-10,000 cps. Output level, −49 db. Opalescent gray Hammerlin finish, with chrome grille. Includes 8-ft., single-conductor shielded cable. Wt., 2½ lbs.
99 S 302. List, $18.40. NET.......**10.82**

NEW MODEL JT-30F CRYSTAL MIKE. Same crystal mike as above, but less handle and base—mike head only. ⅝"-27 thread; fits any standard desk or floor microphone stand. Wt., 1½ lbs.
90 S 212. List, $15.90. NET **9.35**

MIKES FOR SINGLE SIDEBAND

MODEL 10-C CERAMIC. New semi-directional mike with "tailored response" feature. Designed for radio Amateurs using single sideband equipment. Provides greater intelligibility by reducing sibilance to a minimum for clean signal with less splatter, and greater attenuation of unwanted sideband. Response, 300-3000 cps. Output, −52 db. Size, 4x3"; 2" dia. Includes F-11 adapter and 5-ft., single-cond., shielded cable. Shpg. wt., ¾ lb.
90 S 213. List, $29.70. NET **17.46**

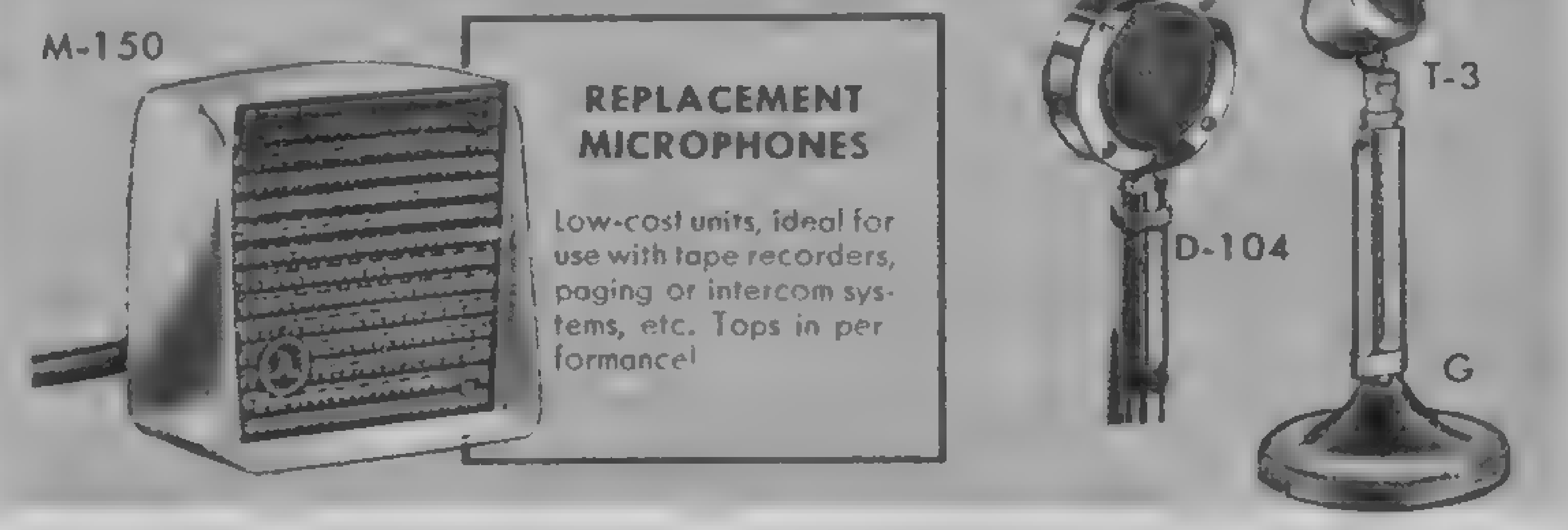
MODEL 10-D DYNAMIC. As above, but has dynamic, moving coil circuit. 1 lb. *$2 Down.*
90 S 214. List, $39.70. NET.. ... **23.34**

NEW LOW-COST CRYSTAL MIKES

MODEL 200. An all-purpose crystal mike for home recording, paging, Amateur communications, etc. Response, 30-10,000 cps. Output, −50 db. High-impedance. Includes detachable base, with ⅝"-27 mounting. Gold and chrome. With 8-ft. single-cond. shielded cable. 1¼ lbs.
90 S 215. List, $19.50. NET........**11.47**

MODEL 200-S. As above, with off-on switch.
90 S 216. List, $21.50. NET.........**12.64**

MODEL 241-S. Same as Model 200-S, but has rising response of 1500 to 5500 cps.
90 S 217. List, $21.50. NET... ...**12.64**



REPLACEMENT MICROPHONES

Low-cost units, ideal for use with tape recorders, paging or intercom systems, etc. Tops in performance!

MODEL M-150 CRYSTAL. Top-value in a high output crystal mike featuring smart, ultra modern design. Offers a semi-directional pickup pattern and smooth, wide range frequency response. Stands upright on desk or table top—fits comfortably into palm of hand for convenient carry-about use. Attractively styled case is made of high-impact gray plastic with rigidized, gold metal grille. Unit is remarkably lightweight—only 3½ ounces. Frequency response, 30 to 10,000 cps with 5-megohm load resistance. Output level, −44 db. Overall size, 2³⁄₁₆" high, 2³⁄₁₆" wide, 1¼" deep. Supplied complete with 5-foot extra-flexible, single conductor shielded cable. Shpg. wt., ½ lb.
90 S 250. List, $6.50. NET.........**3.82**

NEW MODEL M-151 CERAMIC. As above, but output is—48 db. Color-styled in gray plastic.
90 S 222. List, $6.50. NET..........**3.82**

MODEL D-104 "PREMIER" CRYSTAL. High impedance mike. Popular among Amateurs Response, 30-7,500 cps. Output level, −45 db. Produces the maximum amount of speech in the voice range. ⅝"-27 thread With 5-ft. cable. Shpg. wt., 1¾ lbs.
99 S 309. List, $31.00. NET.......**18.23**

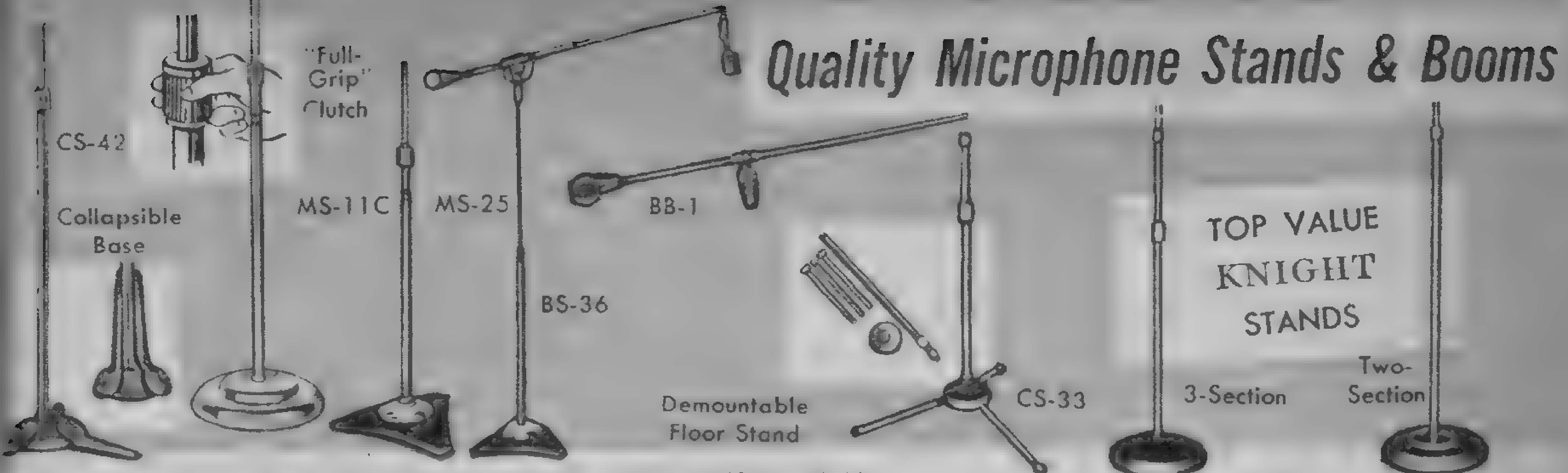
MODEL T-3 "PIONEER" CRYSTAL. Attractive all-directional high impedance mike. Has metal seal crystal for protection against moisture and humidity. Response, 30-10,000 cps. Level, −52 db. Handy swivel hinge for head. ⅝"-27 thread. 10-ft. cable. 2lbs.
99 S 300. List, $29.30. NET.......**17.23**

MODEL G STAND. For use with T-3, DN-HZ, D-104, and other mikes. ⅝"-27 thread. Has convenient grip-to-talk, slide-to-lock switch. With 6-ft. cable. 2¼ lbs.
94 S 011. List, $24.95. NET.......**14.67**

ALLIED HAS A MICROPHONE FOR EVERY PURPOSE

From budget-priced general purpose microphones, to the finest of broadcast studio microphones—Allied has the microphone to meet your requirements. Check the wide selection of Allied mikes shown here—if you don't find the microphone you're looking for, simply write to our Audio Division. We can order it for you as a "Special".

Quality Microphone Stands & Booms



SELECTED ATLAS MICROPHONE STANDS AND BOOMS

MODEL CS-42 COLLAPSIBLE BASE STAND. Base consists of three legs—permanently fixed to the stem—that can be quickly folded or unfolded and securely locked in place. Chrome-plated stand adjusts from 34" to 62"; has "velvet-action" clutch. Cast-iron base in gray. 5/8"-27 thread. Wt., 9 lbs.
88 SX 860. List, $12.50. NET.....**7.35**

MODEL MS-11C FLOOR STAND. "Full Grip" clutch mechanism—allows stand to be quickly adjusted from 35" to 65". Base has self-leveling, shock-absorbing pads and "anti-tip" points. Chrome. Base dia., 10". 5/8"-27 thread. Shpg. wt., 12 lbs.
94 SX 012-2. List, $13.00. NET....**7.64**

MODEL MS-25 "AIR-LOCK" MIKE FLOOR STAND. Controlled escape of air allows only slow, quiet collapse into lower section. Extends from 37" to 66". Base is 17" dia.; provides firm support for boom arm attachment. Chrome-plated stem. Gray base. 5/8"-27 thread. Shpg. wt., 20 lbs.
94 SU 029-2. List, $26.00. NET.....**15.29**

MODEL BB-1 "BABY BOOM" STAND ATTACHMENT. Converts any floor stand having a 5/8"-27 thread to a boom-type stand. Permits fixed positioning of mike anywhere within a 5-ft. circle. Heavily chrome-plated; 32" long. Adjustable, counter-balance. 4½ lbs.
94 SX 019. List, $7.50. NET.........**4.41**

MODEL BS-36 PROFESSIONAL BOOM STAND. Similar to Model MS-25 (at left), but with removable 62" boom arm. Gyromatic swivel joint at end of boom allows mike to hang in the proper position regardless of how boom arm is moved. Vertical height adjusts from 48" to 72". Heavy, padded base; dia., 17". Chrome-plated. 33 lbs. *$2 Down.*
94 SU 021-2. List, $63.00. NET...**37.04**

MODEL CS-33 DEMOUNTABLE FLOOR STAND. Chrome-plated, 3-section mike stand for portable uses. Fully collapsible; rubber-tipped legs are held in place with "finger-operated" spring lock. Adjusts from 26" to 64". 5/8"-27 thread. Shpg. wt., 4 lbs.
94 SX 016. List, $13.50. NET.......**7.94**

BEST-BUY KNIGHT MIKE STANDS

THREE-SECTION MODEL. An outstanding value in a highly popular, compact microphone stand—carrying height only 25". Accommodates most desk-type and floor-type mikes. Can also be used with lavalier-type mikes having adapter. Two smooth-action clutches provide adjustment from 25" to 61". Ideal for portable use. Chrome-plated stem; gray, cast-iron base has 10" diameter. 5/8"-27 thread. Shpg. wt., 10 lbs.
94 SX 001-2. NET........ **7.35**

TWO-SECTION MODEL. Exceptional value in a quality-constructed microphone stand. Features a smooth-operating clutch that provides convenient adjustment of two-section stand from 35" to 64". Accommodates all of the floor-type and desk-type microphones listed in this section—perfect for use with lavalier-type mikes having adapter. Attractive chrome-plated stem; cast-iron base, 10" diameter. Standard 5/8"-27 thread. Shpg. wt., 10½ lbs.
94 SX 004-2. NET..... **5.73**

MICROPHONE DESK, BANQUET & SWITCHBOARD STANDS

E-V 428 TOUCH-TO-TALK STAND. Has 6¼" touch-to-talk bar on side of stem with locking button at top. Slight pressure closes circuit. DPDT switch for controlling relay or shorting out mike. Switch assembly removable from base. Satin chrome finish; gray plastic switch lever. Stem height, 7". Die-cast base; dia., 5⅛". 5/8"-27 thread. Shpg. wt., 2 lbs.
94 S 053. List, $17.50. NET.......**10.29**

ATLAS DS-5 DESK STAND. Chrome-plated stem, 4" high. Cast-iron base; 6" diameter. Rubber pads. 5/8"-27 thread. 2 lbs.
94 S 077. List, $3.00. NET..........**1.76**

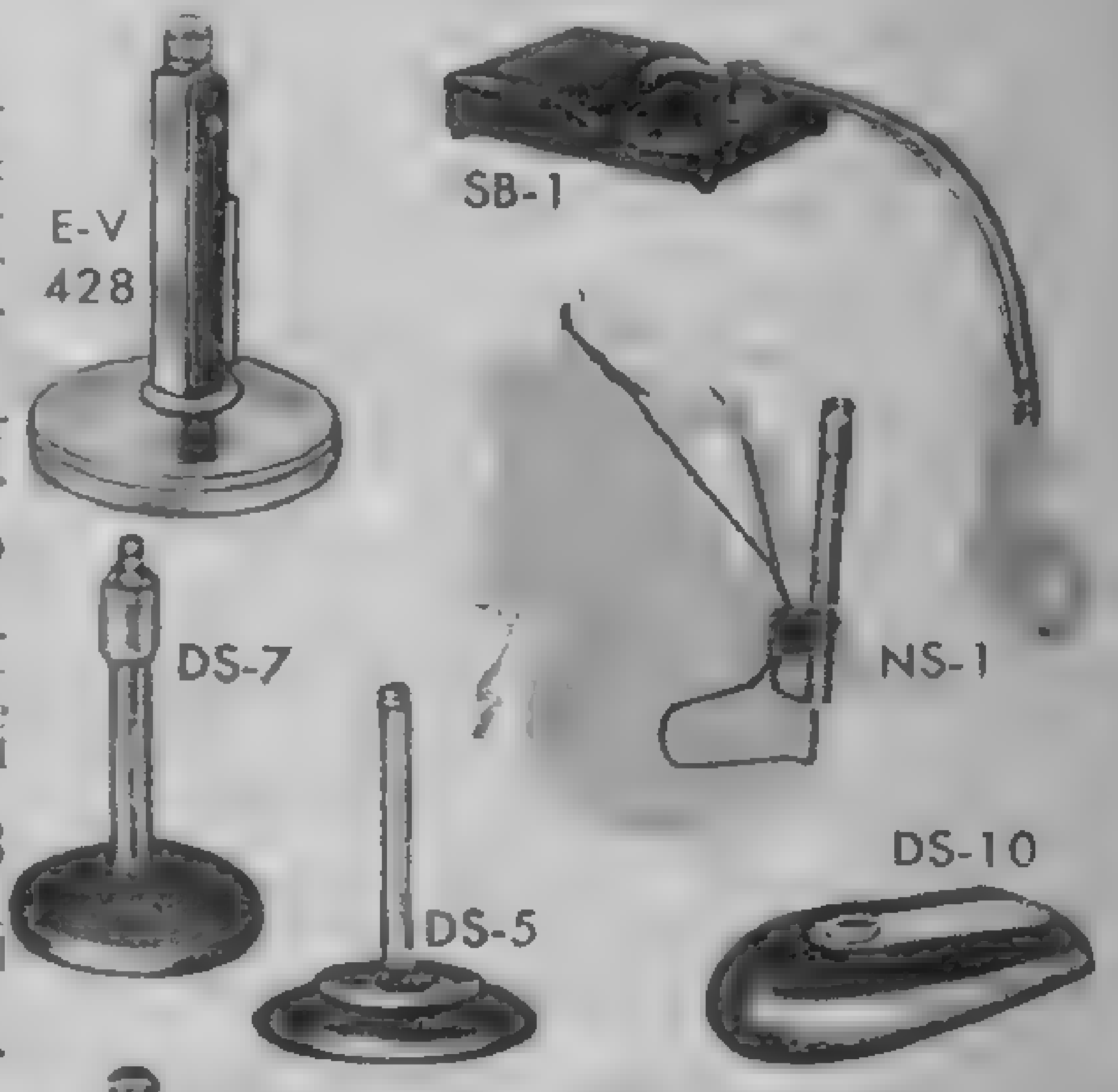
ATLAS DS-7 ADJUSTABLE DESK STAND. Clutch adjusts from 8" to 13". 2-section, chrome-plated stem uses 5/8" and 7/8" tubes. Gray crackle base, 6" diameter. Rubber base pads. 5/8"-27 thread. Wt., 3 lbs.
94 S 014. List, $5.00. NET.........**2.94**

ATLAS NS-1 "CHESTY" NECK AND CHEST SUPPORTED MIKE HOLDER. Includes neck cord, non-rolling chest support and removable, flexible goose-neck mike holder. Doubles as desk stand. Reduces feedback. 10 oz.
93 S 729. List, $5.00. NET.. ......**2.94**

ATLAS TS-6 BANQUET STAND. Not illus. For speaker's table. Extends from 14½ to 26". Full-grip clutch. Base dia., 8". 6 lbs.
94 S 024. List, $9.00. NET.........**5.29**

NEW ATLAS SB-1 SWITCHBOARD STAND. Supports mike atop telephone or dispatcher's switchboards. Has 12" flexible gooseneck arm (5/8"-27 thread). Cast metal base, 9x6½"; gray finish. Wt., 13 lbs.
90 S 251. List, $14.00. NET.........**8.23**

ATLAS DS-10 DESK STAND. Cable fits in slot under chrome trim. Gun-metal enamel finish. 5/8"-27 thread. Wt., 1½ lbs.
94 S 073. List, $5.00. NET...... **2.94**



MICROPHONE ACCESSORIES

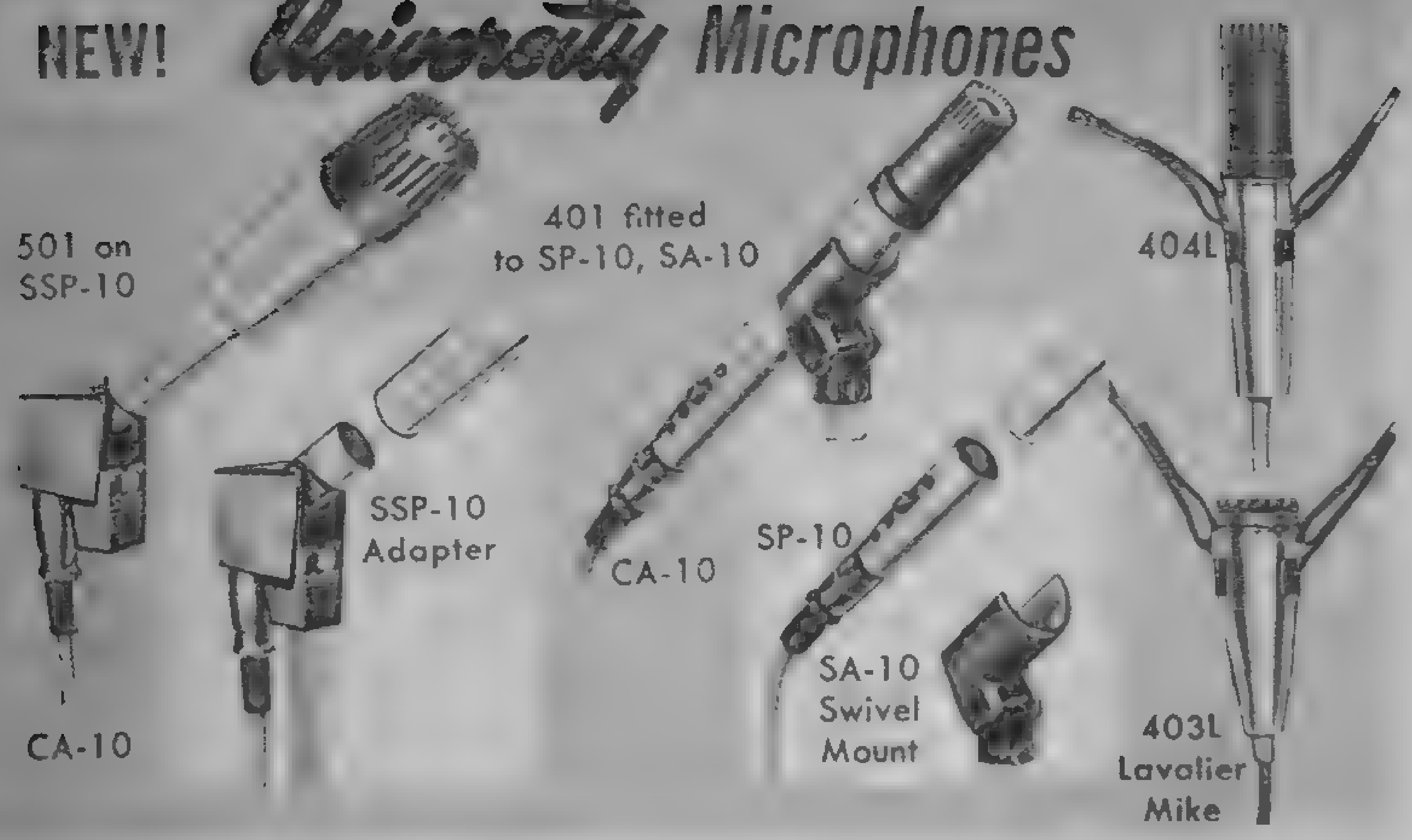
5/8"-27 threaded, unless otherwise noted. * Not illustrated.

Stock No.	Type	Fig.	Description	Wt.	EACH
41 H 996	......	A	"Y" Mike Connector	2 oz.	.97
94 S 027	GN-13	B	Flexible 13" Gooseneck	1 lb.	1.62
94 S 075	GN-19	B	As above, 19" long	1½ lbs.	2.35
94 S 017	SO 1	C	Snap-on Mike Attachment	1 lb.	1.62
94 S 076	CH 1	D	Cable Hanger; fits all stems 7/8" to 1¼" in diameter	½ lb.	1.47
41 H 946	329	E	Mike Volume Control; Hi-imp.	6 oz.	4.09
41 S 913	AD-7	F	3" Extension Rod; 5/8"-27 ends	3 oz.	.35
41 S 907	AD-8	F	As above, 6" long	4 oz.	.41
41 H 950	.	G	Push-to-Talk Switch with lock	6 oz.	1.85
41 S 995	...	H	"Save-Ur-Mike" Plastic Cover	2 oz.	.69
94 S 028	BC-1	J	Bracket Clamp, 6" stem	1 lb.	2.06
94 S 067	SW-1	*	Gyromatic Mike Lock Swivel; locks mike at any angle	1½ lbs.	2.65

ATLAS MIKE STAND ADAPTERS. An excellent assortment of quality adapters for desk and floor-type microphone stands. All are chrome-plated for dependable, long use. Shpg. wt.: Models AD1, AD2, AD3, AD4, AD5, and AD10, 2 oz.; AD11 and AD12, 6 oz.

Stock No.	Mfr's Type	Fig.	Description	NET EACH
41 S 928	AD1	L	For adapting RCA mikes. ½" male to 5/8"-27 female.	50¢
94 S 060	AD2	K	⅛" pipe female to 5/8"-27 male.	35¢
94 S 061	AD3	M	⅛" pipe female to 5/8"-27 female.	35¢
94 S 062	AD4	....	¾" long. 5/8"-27 male coupling.	18¢
94 S 063	AD5	M	5/8"-27 to 5/8"-27 female coupling.	35¢
94 S 066	AD10		Adapts W.E. mikes. 5/8" 24 female to 5/8" 27 female.	71¢
41 S 906	AD11	P	Mike base flange. Female. 5/8" 27.	41¢
41 S 905	AD12	N	Mike base flange. Male. 5/8"-27.	41¢

NEW! University Microphones



Professional dynamic microphones from this renowned, high-fidelity name. Beautifully "trim-line" styled, these lightweight mikes are tops for highest quality recording and sound system applications. Employ exclusive new "Unilar" diaphragms that are shock, heat and weather-proof. Feature "modular" construction for the last word in flexibility—can be used with or without switch; with cable connector for hand-held use; with cable connector and slide-on stand adapter; with adapter for Cannon plug; with screw-in stand adapter; etc. All models except small lavalier mikes, have built-in adjustment for two low-impedance, and one high-impedance connection.

MODEL 401 ALL-DIRECTIONAL DYNAMIC. Response, 40 to 20,000 cps. Output level, −55 db. Impedances: 30-50, 150-250 and 20,000 ohms. 6⅜″ long; 1 3/32″ O.D. Less cable; see adapters in box at right. ¾ lb.
90 S 223. List, $72.50. NET......**42.63**

MODEL 402S ALL-DIRECTIONAL DYNAMIC. Shock-mounted. Response, 40 to 20,000 cps. Output level, −55 db. Impedances: 30-50, 150-250 and 20,000 ohms. 8¾″ long; 1 3/32″ O.D. Less cable; see box. ¾ lb.
90 S 224. List, $79.50. NET......**46.75**

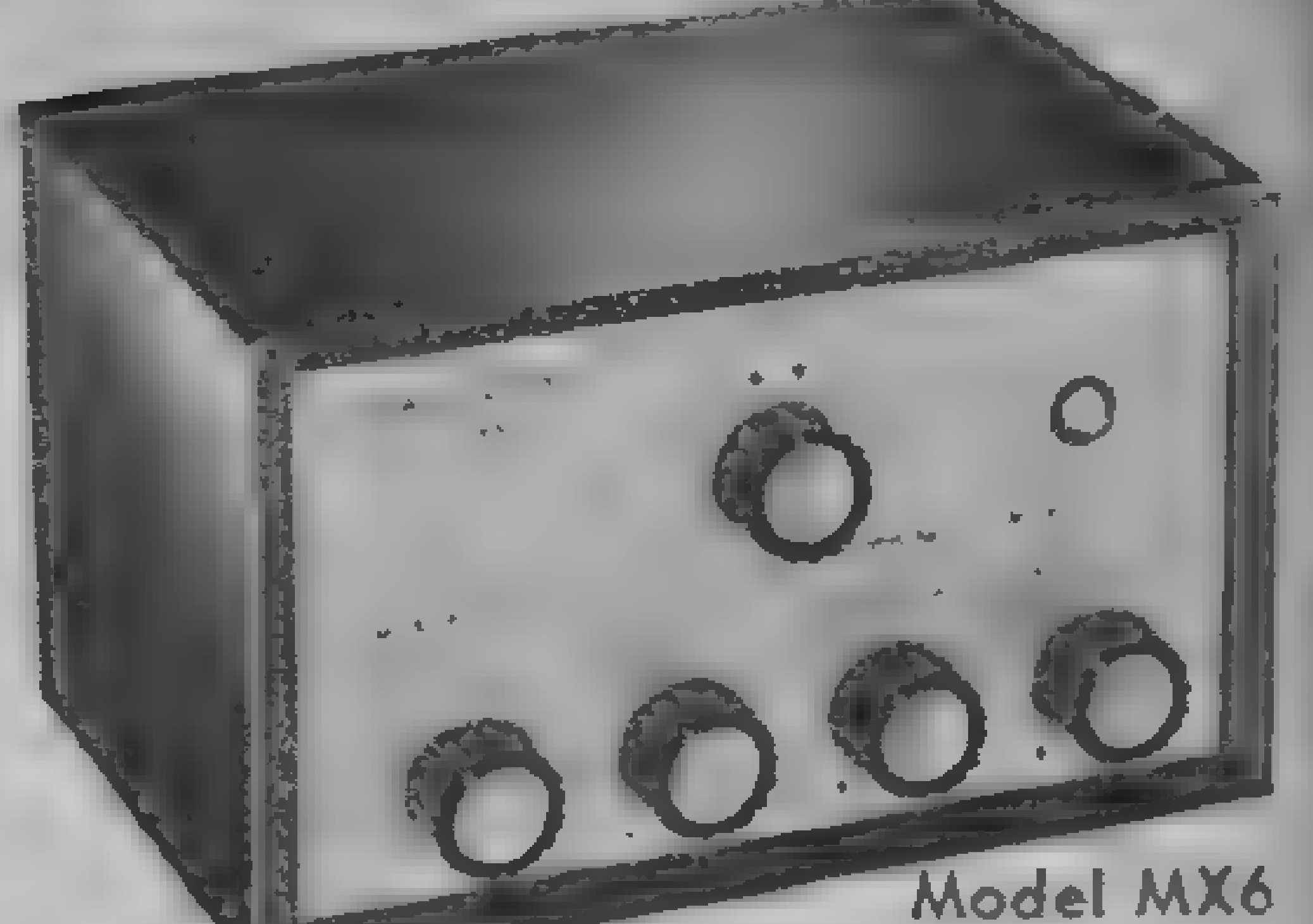
MODEL 403L TELECASTER LAVALIER. Small lavalier type. Response, 50 to 18,000 cps. Output level, −55 db. Built-in adjustment for 30-50 or 150-250 ohm impedances. 3½″ long; 1 1/16″ O.D. With 25-ft. cable and neck clip. Shpg. wt., 1 lb.
90 S 225. List, $87.50. NET.......**51.45**

MODEL 404L BROADCASTER LAVALIER. Somewhat larger lavalier-type mike. Response, 50 to 20,000 cps. Output level, −55 db. Adjusts for 30-50, 150-250 or 20,000 ohm impedances. 4¼″ long; 1 3/32″ O.D. With 25-ft. cable and neck clip. ¾ lb
90 S 226. List, $95.00. NET......**55.86**

MODEL 501 CARDIOID DYNAMIC. Uni-directional pattern; for deluxe sound system use. Response, 35 to 15,000 cps. Output level, −54 db. Adjusts for 30-50, 150-250 and 20,000 ohm impedances. 6 9/32″ long; 1½″ O.D. Less cable; see box. Wt., 1 lb.
90 S 227. List, $125.00. NET.....**73.50**

MODEL 502S CARDIOID DYNAMIC. Uni-directional pickup pattern; shock-mounted. Response, 30 to 16,000 cps. Output level, −54 db. Adjusts for 30-50, 150-250 and 20,000 ohm impedances. 7¼″ long; 1¾″ O.D. Less cable; see box at right. 1¼ lbs.
90 S 228. List, $145.00. NET.....**85.26**

Bogen VERSATILE MIXER-PREAMPLIFIER



Model MX6
"Challenger"

- Both Mixes and Preamplifies
- Mixes Radio or Phono with Voice
- Put 4 Mikes Into Single Amplifier or Recorder Input and Control Each

Permits mixing four high-impedance mike inputs for an amplifier or tape recorder (up to four mikes can be fed into the Aux input of hi-fi amplifier or tape recorder). Also mixes radio and/or phono signals with mike signals. Gain control for each input channel to permit precise adjustment of signals being mixed. Gain of 59 db for mike; 30 db for phono. Response, ±2 db, 50-15,000 cps. Hum is −70 db. Input impedance: mic, 0.5 megohm; phono, 0.5 megohm. Output impedance: less than 1000 ohms (cathode follower). 5½x8x4¾″. For 110-120 v., 60 cycle AC. Shpg. wt., 5½ lbs. *$2 Down.*
88 SX 855. List, $65.00. NET.....**39.00**

UNIVERSITY MIKE ACCESSORIES

90 S 230. SA-10 Slide-On Stand Adapter. 3x1½″. Wt., ¼ lb. **NET**.......**4.12**

90 S 229. SSP-10 Stand Adapter with Switch. Has receptacle for Cannon plug. 4x1¼″. Wt., ½ lb. **NET**..........**10.88**

90 S 232. CC-10 Cable Assembly. With 18′ cable. 2 1/16x1″. 1¼ lbs. **NET**.....**5.88**

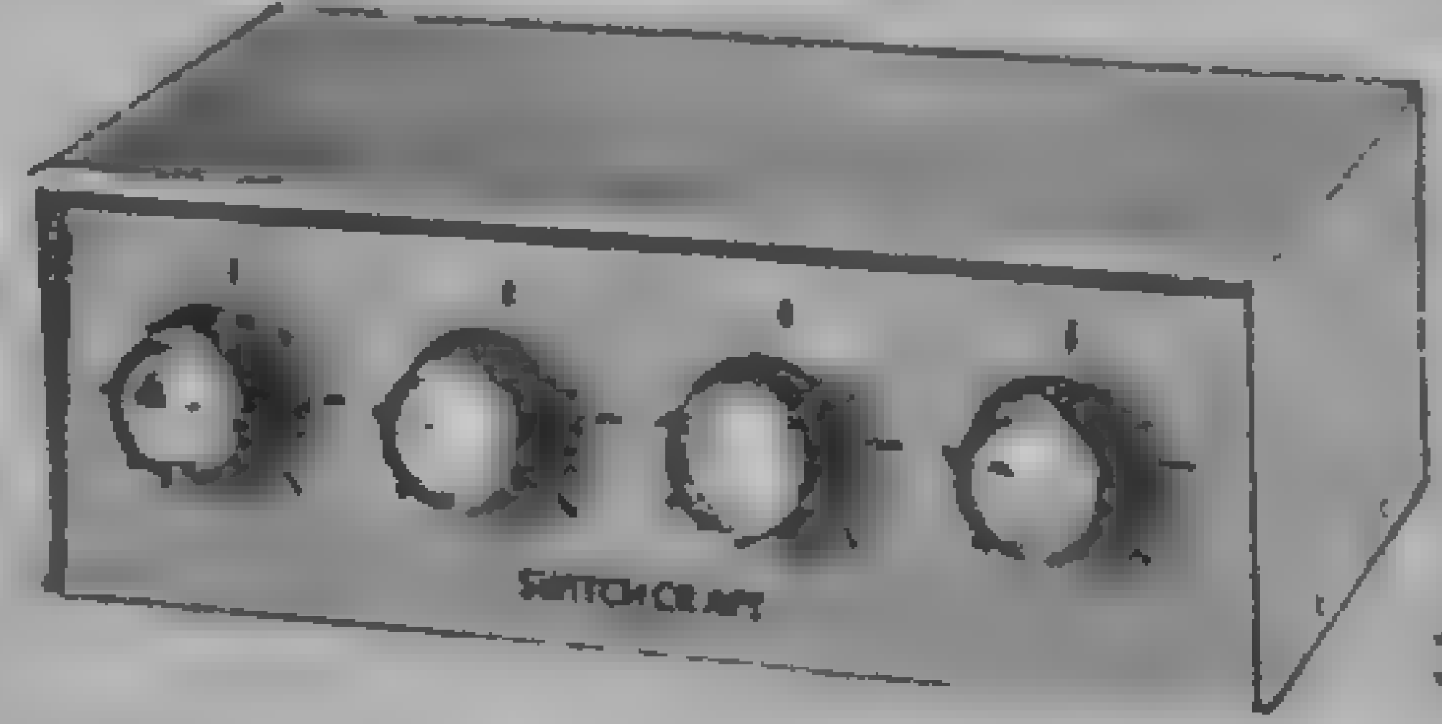
90 S 231. SP-10. Switch Cannon Plug Adapter. 3⅛x1″. ¼ lb. **NET**.......**6.76**

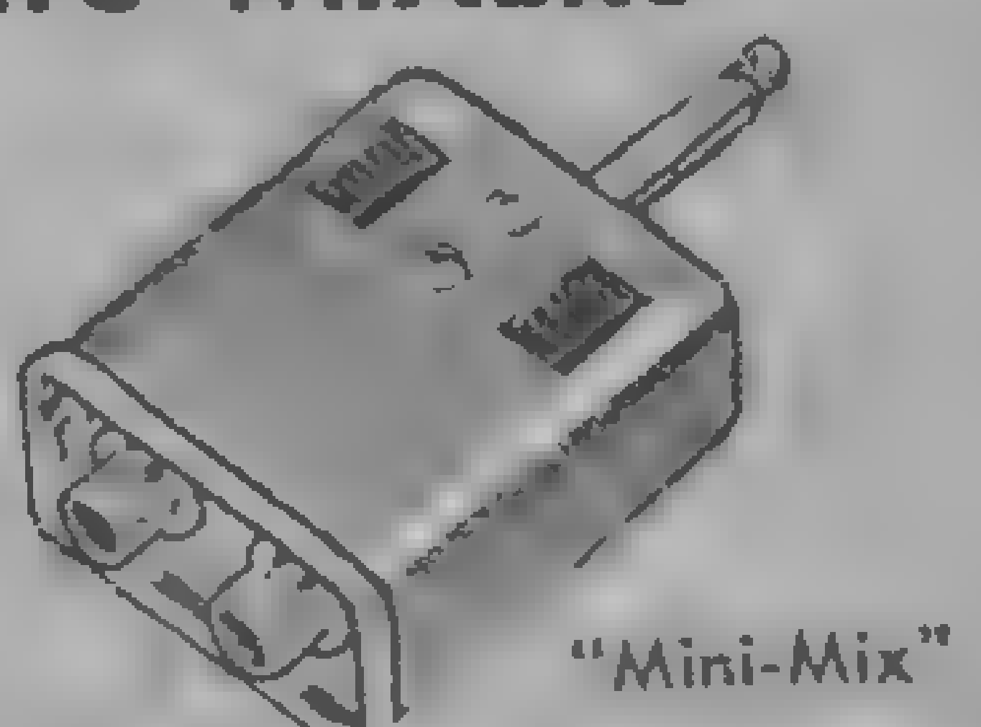
90 S 233. PA-10 Cannon Plug Adapter. 3⅛x1″. Wt., ¼ lb. **NET** **6.17**

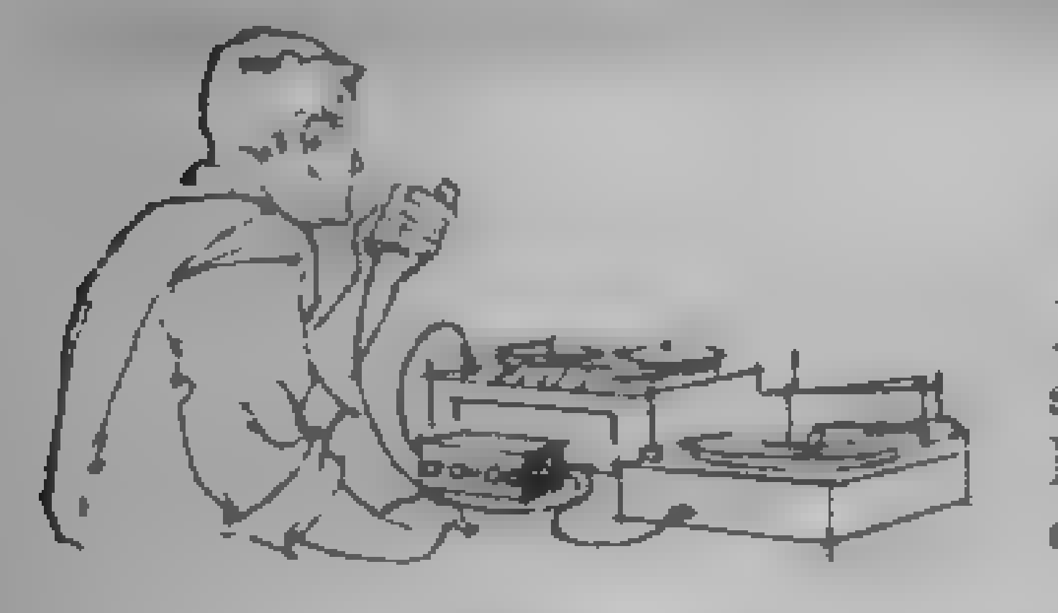
90 S 234. CA-10 18′ Cable for SS-P10, SP-10, PA-10. ¼ lb. **NET**.........**5.88**

SWITCHCRAFT STEREO AND MONOPHONIC MIXERS

306


301


"Mini-Mix"



Add Musical Highlights and Sound Effects to Your Voice Recordings

Even though your recorder may have only a single microphone input, you can increase its versatility and provide separately controlled inputs for up to four sound sources with a mixer. Feed signals from TV, radio, phonograph and microphone to your recorder—you can blend in or fade out signals from these sources for professional-type voice recordings.

STEREO MIXERS

MODEL 306. Extremely versatile mike mixer with four monophonic channels that convert to 2-stereo channels with flip of handy lever switch. Perfect for providing stereo music accompaniment to narration of your home movies. Four input jacks on rear panel; high impedance circuitry. Two phono jacks for output to amplifier or tape recorder. Color-styled in tan; has brown knobs with gold inserts. Case has rubber feet. Size, 2x3x6″. Shpg. wt., 1½ lbs.
93 S 218. List, $22.50. NET.......**13.23**

MODEL 306TR. Same as above, but with two battery-operated transistor amplifiers. With battery. Shpg. wt., 1½ lbs. *$2 Down.*
93 S 219. List, $37.50. NET.......**22.05**

MONOPHONIC MIXERS

MODEL 301. Ultra-modern, 4-channel, high impedance microphone mixer. Completely shielded. Permits mixing of four signals such as mike, phono, tuner, etc., into a single output. Inputs accept standard 2-conductor phone plugs; standard phono jack output to tape recorder or amplifier. Completely self-contained. Tan panel, brown knobs with gold inserts. Case has rubber feet to prevent scratching table top, etc. Size, 2x3x6″. Shpg. wt., 1½ lbs.
93 S 216. List, $19.50. NET........**11.47**

MODEL 301TR. As above, but with transistor-powered amplifier for best high frequency response. Powered by battery supplied with unit. Shpg. wt., 1½ lbs.
93 S 217. List, $30.00. NET.......**17.64**

41 H 341. Audio Connector Cable. For above. 36″. Phono pin plug on one end, phone plug on other. Shpg. wt., 4 oz. NET EACH **88c**

MINI-MIX AUDIO MIXERS

Accommodate 2 high impedance inputs. With separate gain controls, recessed inside housing. Very low loss factor. Size, 2 1/16x1 13/16x1 1/16″. Shpg. wt., 4 oz.

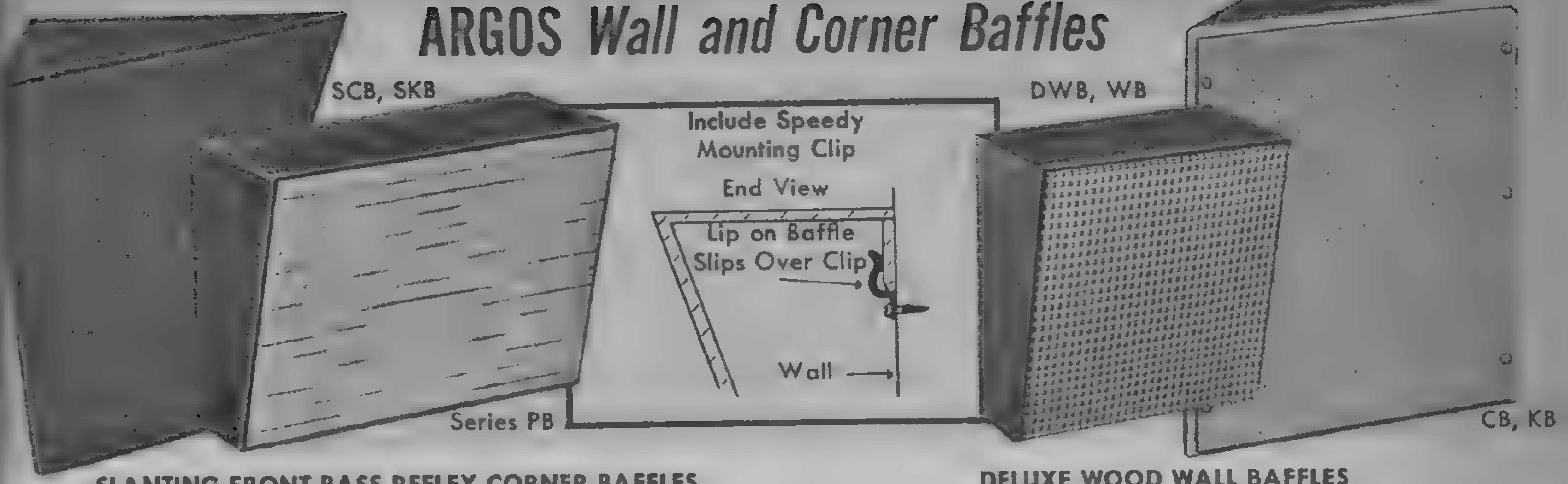
TYPE 310. Phone jack input, phone plug output fitting standard jacks.
41 H 953. NET..... . ... .**4.67**

TYPE 311. As above, but with longer output to fit recorders with recessed jacks.
41 H 988. NET...... ... .**5.26**

TYPE 316. Miniature unit with pin plug input, phone plug output.
41 H 343. NET....................**4.67**

TYPE 320. Male inputs, female output for ⅝″-27 screw-type mike connectors.
41 H 954. NET.....................**4.67**

ARGOS *Wall and Corner Baffles*



SLANTING FRONT BASS REFLEX CORNER BAFFLES

DELUXE SERIES. Handsomely styled, extremely versatile bass reflex enclosures. Excellent for music systems, P.A., etc. Simple installation—speaker bolts are already installed. Rigidly constructed of reinforced plywood, covered with plastic-coated fabric in simulated wood finish. Acoustically padded. Plastic matching grille cloth. **Specify blonde or walnut when ordering.**

MODEL SCB-8A. For use with 8" speaker. Volume, 680 cubic inches. Size (HWD): 15x17¾x9½". Shpg. wt., 6 lbs.
70 DX 487C. NET. 7.94

MODEL SCB-12A. For use with 12" speaker. Volume, 1240 cubic inches. Size (HWD): 20¼x21x10½". Shpg. wt., 8 lbs.
70 DU 488C. NET. 10.73

ECONOMY SERIES. As above, but have open backs. **Available in blonde or walnut—specify choice when ordering.**

MODEL SKB-8. For 8" speaker. 15x17¾x9½". Wt., 4 lbs.
70 DX 485C. NET. 5.88

MODEL SKB-12. For 12" speaker. 20¼x21x10½". Wt., 8 lbs.
70 DU 486C. NET. 7.64

"PRESTIGE" WALL-MOUNTED BAFFLES

Attractive wall-type baffles for quick, easy installation of 8" or 12" speakers. Handsome wood-grain pyroxylin-covered enclosures feature latest "forward-front" design for pleasing effect and efficient dispersion of sound. Grille cloth styled in modern woven decorator pattern. Include speaker mounting hardware and convenient knockout plug for installing individual speaker volume control. Available in choice of two beautiful finishes to complement any decorative surrounding. **Specify blonde or walnut.**

MODEL PB-8. For 8" speaker. 10⅜x14x7". Wt., 3¾ lbs.
70 DX 497C. NET. 5.44

MODEL PB-12. For 12" speaker. 13¾x18¼x9". Wt., 6¾ lbs.
70 DX 498C. NET. 7.64

DELUXE WOOD WALL BAFFLES

Feature white birch veneer construction. Attractive plastic grilles. With hardware. **Specify blonde or walnut when ordering.**

MODEL DWB-8A. For 8" speaker. 10½x9¾x6½". Wt., 3 lbs.
70 DX 491C. NET. 5.88

MODEL DWB-12A. For 12" speaker. 14x13¼x9". Wt., 5 lbs.
70 DX 492C. NET. 8.23

LOW-COST WALL-MOUNTED BAFFLES

Economical wall baffles constructed of wood. Have attractive woodgrain pyroxylin covering; can be painted. With hardware. **Specify blonde or walnut finish when ordering.**

Stock No.	Model	Size	Spkr.Size	Lbs.	EACH
70 D 493C	WB-4/5C	6⅛x6¼x4"	4-5"	1½	2.74
70 D 499C	WB-6C	8½x7⅞x5"	6"	2	3.33
70 D 494C	WB-8C	10½x9¾x6½"	8"	3	3.97
70 DX 495C	WB-10C	12⅜x11⅞x7¾"	10"	4	4.70
70 DX 496C	WB-12C	14x13⅝x9"	12"	5	5.44

STRAIGHT FRONT BASS REFLEX CORNER BAFFLES

DELUXE SERIES. Fully enclosed baffles for corner installations. With hardware. **Specify blonde or walnut when ordering.**

MODEL CB-8C. For 8" speaker. 14x12¼x6½". Wt., 4½ lbs.
70 DX 489C. NET. 7.26

MODEL CB-12C. For 12" speaker. 20x18x9". Wt., 9 lbs.
70 DU 490C. NET. 10.29

ECONOMY SERIES. As above, but with open back. **Available in choice of blonde or walnut—specify when ordering.**

MODEL KB-8. For 8" speaker. 9⅜x10⅞x6¼". Wt., 3½ lbs.
70 DX 483C. NET 4.85

MODEL KB-12. For 12" speaker. 14¾x19¾x10¼". Wt., 8 lbs.
70 DU 484C. NET. 7.35

HOW TO SELECT THE CORRECT PUBLIC ADDRESS SPEAKER. Study the informative suggestions outlined below—they're designed to help you clarify the application you have in mind. If your specific requirements are not covered in these notes, simply write to Allied's Audio Division. Our experts will recommend sound system components best suited to your individual needs.

FOR QUIET INDOOR AREAS

Offices, classrooms, lounges, etc. Select cone-type speakers, and wall or ceiling type baffles for housing the speakers. A variety of these speakers and baffles is offered on the following pages. 8" speakers are most popular for these applications; use 12" speakers where you need more bass sound. Wattage ratings given for speakers indicate maximum power (volume level) they can handle without distortion. Average-size classrooms, private offices, etc., normally require no more than 2 watts for adequate sound coverage. Large warehouses, auditoriums, etc., will require as much as 10 watts per speaker. Cone-type speakers are not recommended for use under conditions of high humidity or where corrosive vapors are present.

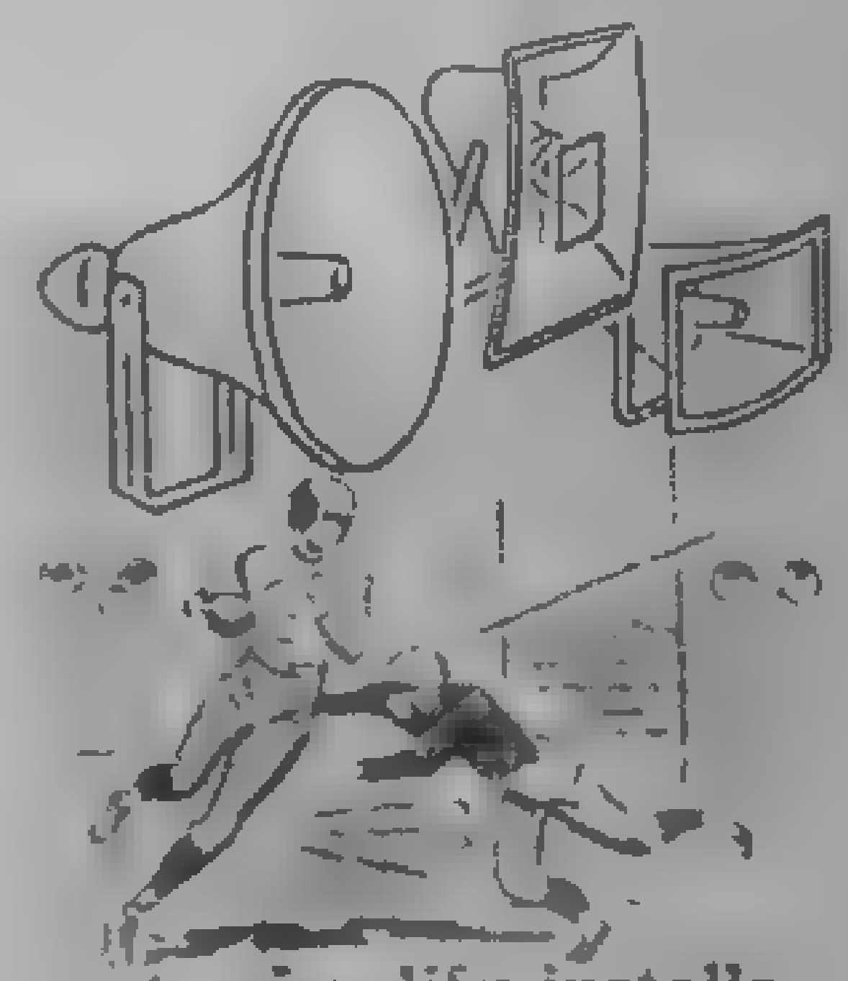
IN CORROSIVE VAPOR AREAS

Plating factories, chemical labs, etc. Select a fiberglas horn. Write to our Audio Division for recommendations that call for submergence-proof, explosion-proof, or other special speakers.

HOW MANY SPEAKERS TO USE?

Average offices require flush-mounted ceiling speakers spaced about 15 feet apart. Large indoor trumpets (using about 15 watts each), should be placed 25 to 50 feet apart. In noisy areas, use small trumpets (about 5 watts each), placed near specific locations to be covered.

FOR NOISY INDOOR AREAS AND OUTDOORS



For these applications, select a trumpet-type speaker (weather-proof speakers are best for outdoor uses). The diameter of a trumpet bell determines its bass response—the larger the bell, the greater its bass response. Horn size determines the angle of sound coverage—as the horn size increases, the sharpness of the dispersion angle and the penetrating power increase. Unless otherwise specified, trumpet-type speakers require drivers. When an impedance-matching transformer is needed, select a driver with a built-in transformer to simplify installation. Drivers listed in this Catalog have screw terminals or binding posts. If you have a special problem with an extremely noisy area (indoors or outdoors), write to our Audio Division.

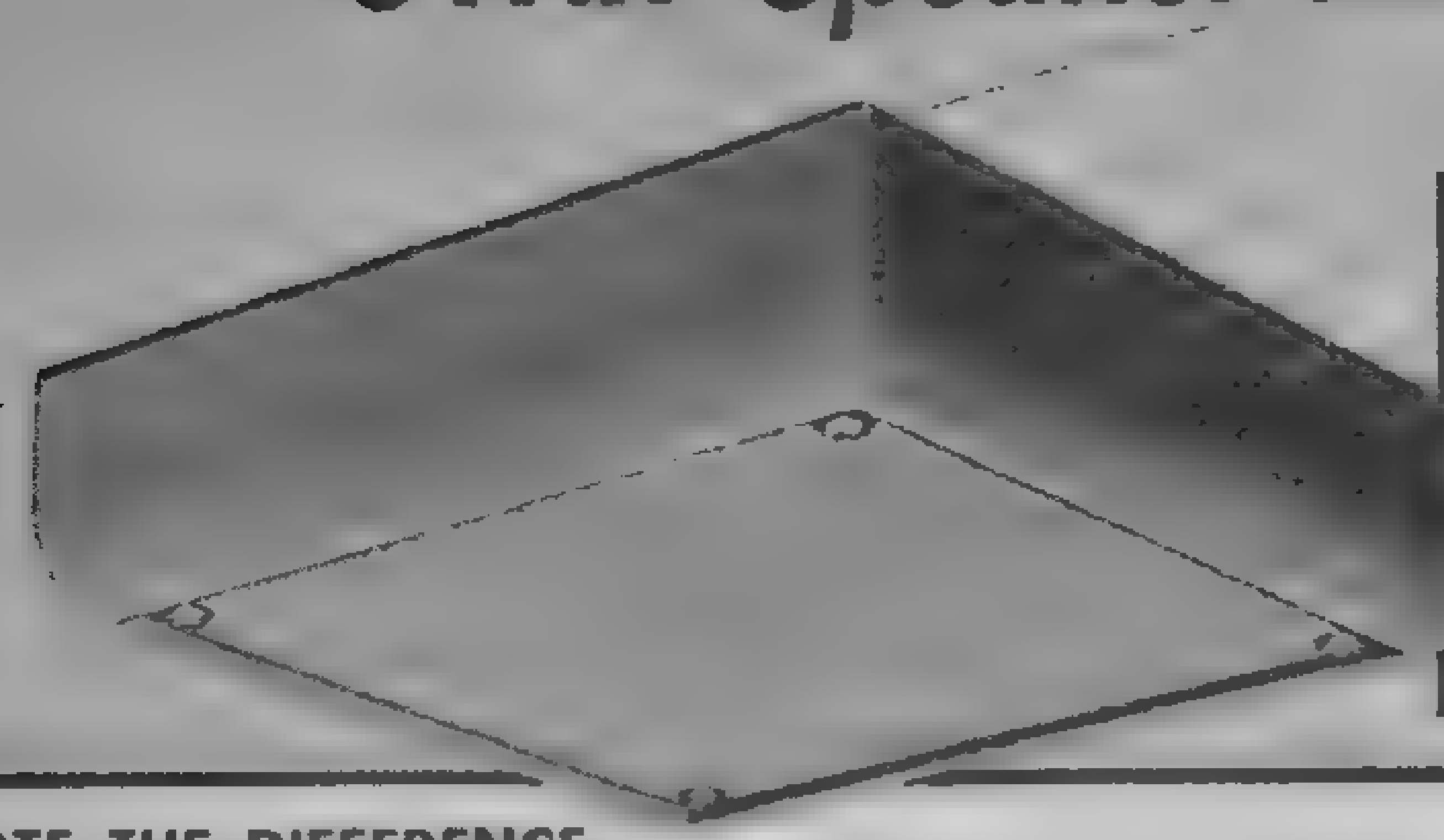
OUTDOOR AREA COVERAGE

Weather conditions and terrain are major influences. To cover spectator gatherings, place speakers near the audience. For distant coverage (¼ to ½ mile), as from church towers, use 4 projectors in a cluster.

USE OF TRANSFORMERS

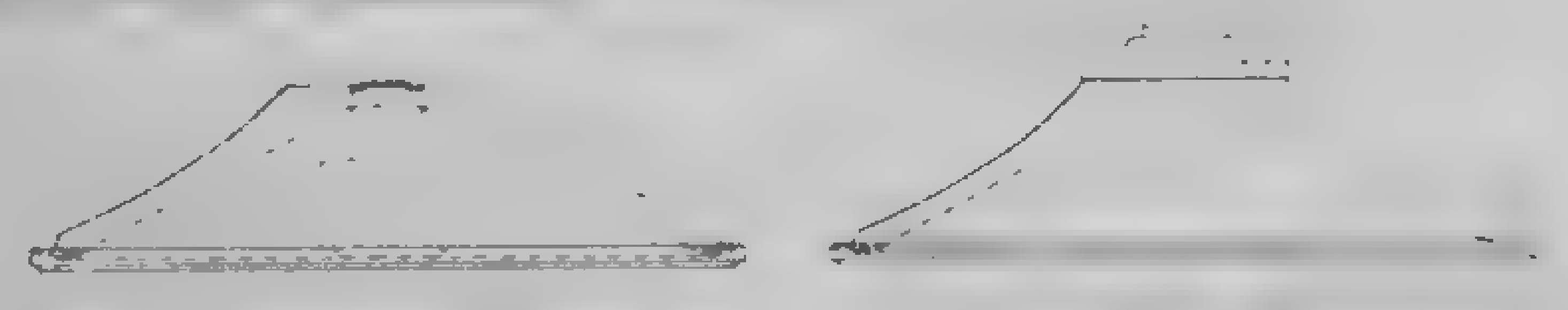
Recommended when extensive lengths of cable, or more than 4 speakers, are employed. Drivers with built-in transformers are listed on following pages. *Write for Allied's free "Multiple Speaker Installations" bulletin, a helpful, informative release.*

UTAH Speaker-Baffle Combinations



AN
ALLIED
EXCLUSIVE

NOTE THE DIFFERENCE:

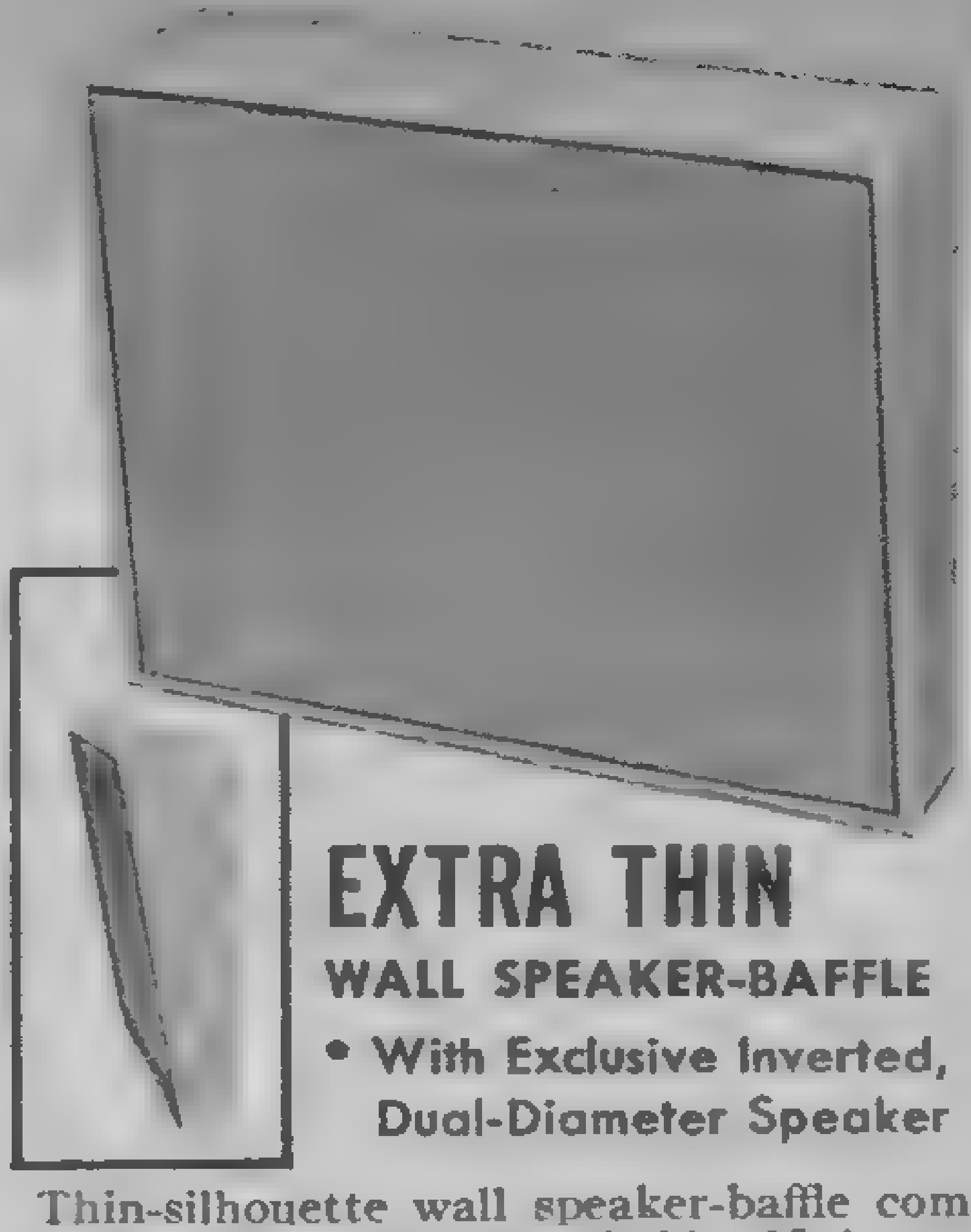


EXTRA-THIN CEILING BAFFLE WITH DUAL-DIAMETER SPEAKER

NET
$8.95

A remarkable achievement in sound distribution—a fine performing speaker-baffle combination only 2½″ thin! Eliminates the need for making ceiling cut-out—quickly mounts on ceilings ⅜″ to ¾″ thick with the mounting hardware supplied. Perfect for use with tiled or regular ceilings in homes, restaurants, department stores, etc. Full, clear response in a unit of this small size is a result of an outstanding innovation in speaker design. The 8″ speaker has been inverted—magnet and voice coil have been shifted to the front of the cone—producing fuller utilization of the speaker area without any loss of frequency response. In addition, speaker has efficiency and power-boosting dual-diameter design. Employs a specially-machined, permanent magnet that combines two magnetic field alignments into a single, dual-diameter unit. Delivers twice the sound per watt. Capacity, 6 watts. Impedance, 8 ohms. Beige finish may be repainted. Size, 2½x9½x9½″. Shpg. wt., 3 lbs.

70 DX 084. NET..8.95
70 D 085. Inverted Speaker Only. Shpg. wt., 3 lbs. NET..........6.61



EXTRA THIN

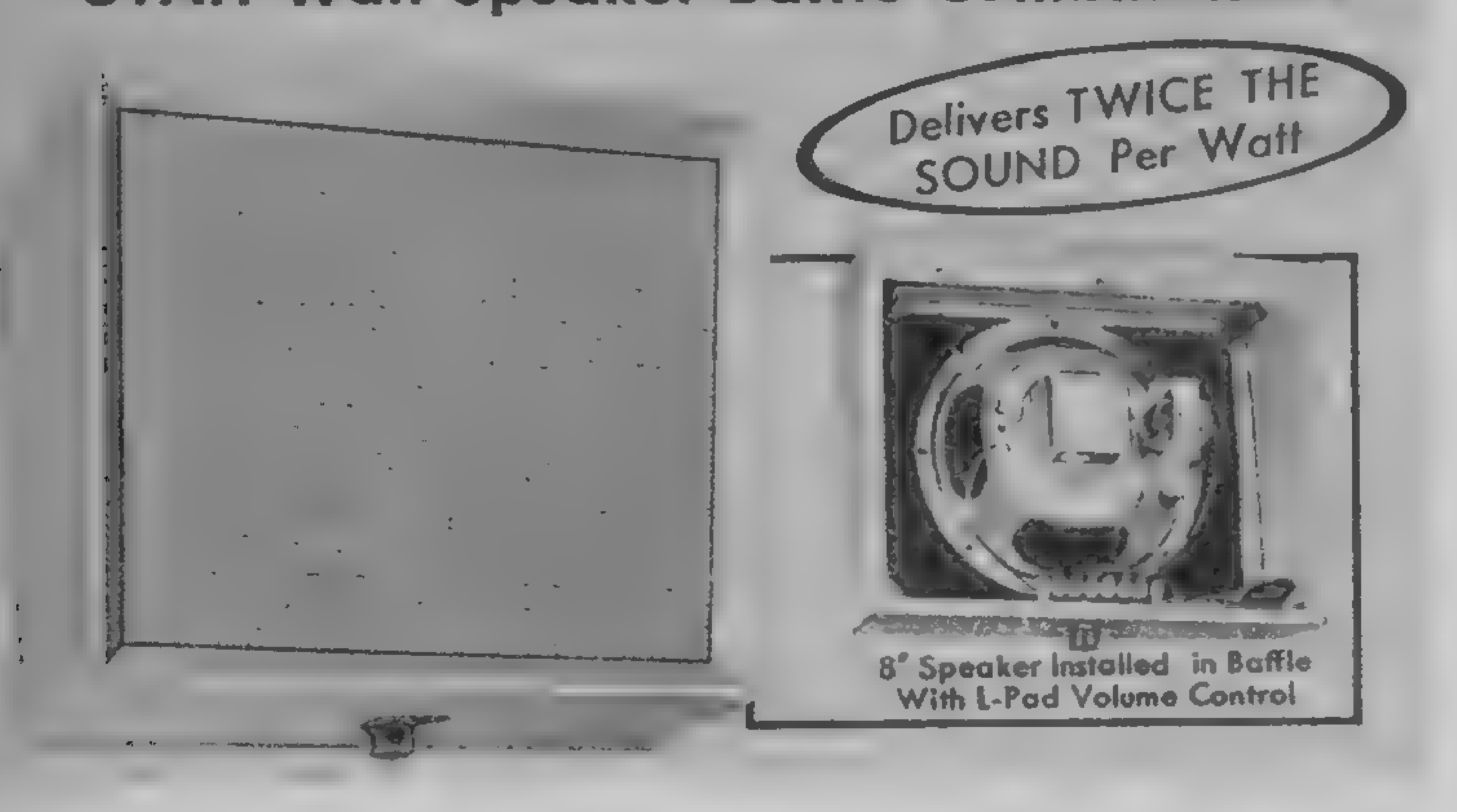
WALL SPEAKER-BAFFLE

- **With Exclusive Inverted, Dual-Diameter Speaker**

Thin-silhouette wall speaker-baffle combination. Features remarkable 8″ inverted speaker with dual-diameter design that gives twice the sound per watt. Stream lined, sloping baffle can be hung anywhere. Comes complete with hardware and instructions. Convenient screw terminals. Power handling capacity, 6 watts. Impedance, 8 ohms. Natural finish may be repainted at any time to match surrounding decorative motif. Size, 9″ high, 12″ wide and 4½″ deep. **Available in choice of three handsome woodgrain finishes: mahogany, blonde or walnut—specify when ordering.** Wt., 3½ lbs.

70 DX 086C. *Specify Finish.* NET..8.76

UTAH Wall Speaker-Baffle Combinations



8″ Speaker Installed in Baffle With L-Pad Volume Control

8-OHM SPEAKER-BAFFLE COMBINATION. Completely wired, ready-to-use wall speaker-baffle combination featuring dual-diameter construction. Excellent choice as an extension speaker in the recreation room or den—or as part of a sound distribution system in schools, hospitals, offices, etc. Distinctively-designed baffle encloses heavy-duty, wide-range 8″ speaker with L-pad volume control installed. Allows controlling sound level of individual speakers. Speaker magnet unit attains efficiency and power nearly twice that of conventional speaker magnets—delivers twice the sound per watt. Exceptionally easy to install; handy screw terminals. Speaker has efficient 4.64 oz. Alnico V magnet. Power handling capacity, 10 watts. Impedance, 8 ohms. Size, 9½″ high, 12″ wide and 6″ deep. **Available in choice of mahogany or blonde finish**—enhances the beauty of its surroundings. Shpg. wt., 6 lbs.

90 DX 072C. *Specify Finish.* NET..........................13.95

WIRED 8-OHM SPEAKER—LESS BAFFLE. For installation in the baffle of your choice. Includes screw terminals for fast, easy installation—no soldering required. L-pad has 18″ cable attached. Shpg. wt., 3 lbs.

70 D 284. NET..6.65

70.7 VOLT SPEAKER-BAFFLE COMBINATION. Ready-to-use speaker-baffle combination with built-in transformer for use with sound systems having a 70.7 volt output. Screw-type terminal strips permit selection of 10, 5, 2.5, 1.25, or 0.62 watt output for predetermining maximum speaker volume at each speaker in the installation. Pre-wired L-pad volume control permits adjusting volume of each speaker to the exact level required. Employs the same high-efficiency speaker and ruggedly constructed baffle as combination above. Size, 9½″ high, 12″ wide and 6″ deep. **Available in choice of mahogany or blonde finish.** Shpg. wt., 7 lbs.

90 DX 073C. *Specify Finish.* NET..........................15.95

WIRED 70.7 VOLT SPEAKER—LESS BAFFLE. Above unit, less baffle. Includes speaker, 70.7 volt transformer, and L-pad volume control on 18″ cable. Screw terminals—no soldering required. Shpg. wt., 4 lbs.

70 D 285. NET..8.65

Functional Modern Styling

UTAH CORNER BAFFLES

MODEL DC-8. Outstanding contemporary styling and time-proven acoustic design keynote this deluxe corner baffle. Distinctively-crafted by master woodworkers, it accommodates any 8″ speaker. Beautifully lacquer-finished in choice of mahogany or blonde. it's an eyecatcher in rumpus rooms and dens, clubs, schools, churches, offices, restaurants, etc. Provides the fresh modern look demanded by today's furnishing schemes.

Unit is constructed of solid, five-ply ⅜″ and ½″ veneers throughout that keep it free of disturbing vibrations and rattles. To maintain this solidity, parts are mortised and secured with waterproof glue. Tastefully-styled grill cloth complements the satiny finish. Size, 14″ high, 15½″ wide and 8⅛″ deep. **Available in choice of mahogany, blonde or walnut—be sure to specify choice when ordering.** Shpg. wt., 4 lbs.

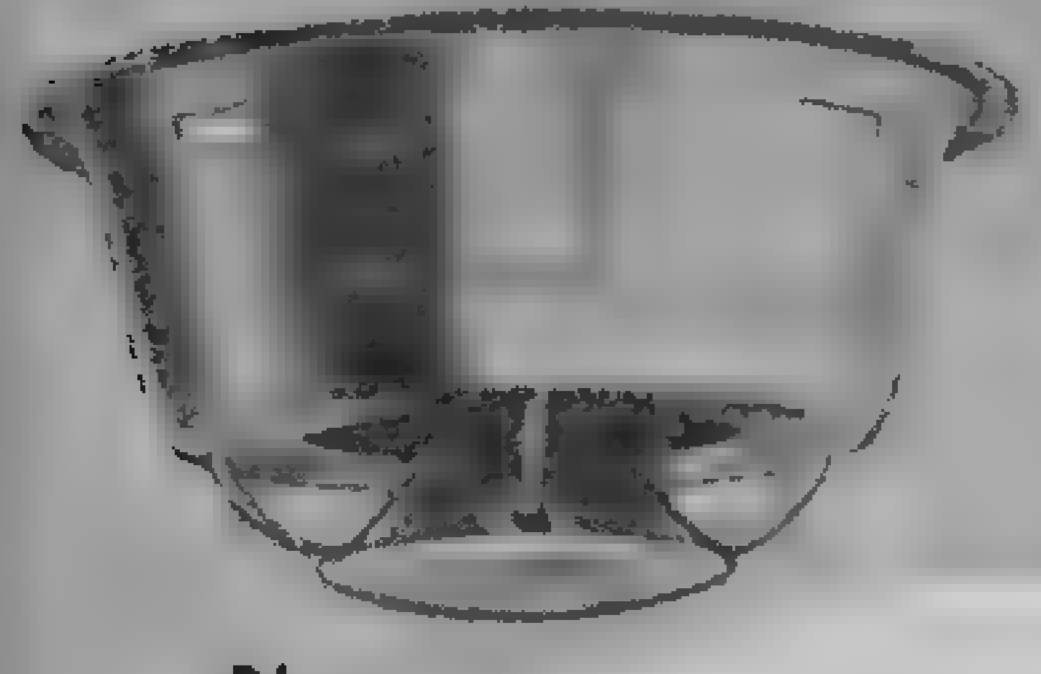
70 DX 083C. List, $12.10. NET.....7.55

MODEL DC-12. Same as above, but accommodates 12″ speakers. 17⅞x19½x10¼″. **Specify choice of mahogany, blonde or walnut when ordering.** Shpg. wt., 6 lbs.

70 DX 090C. List, $17.25. NET.....10.14

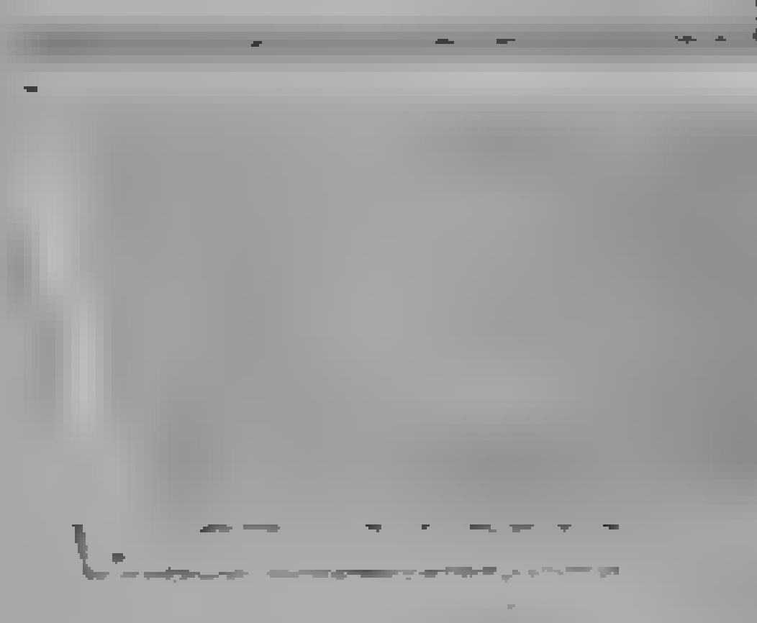
Surface and Flush-Mounted Wall and Ceiling Baffles

Lowell

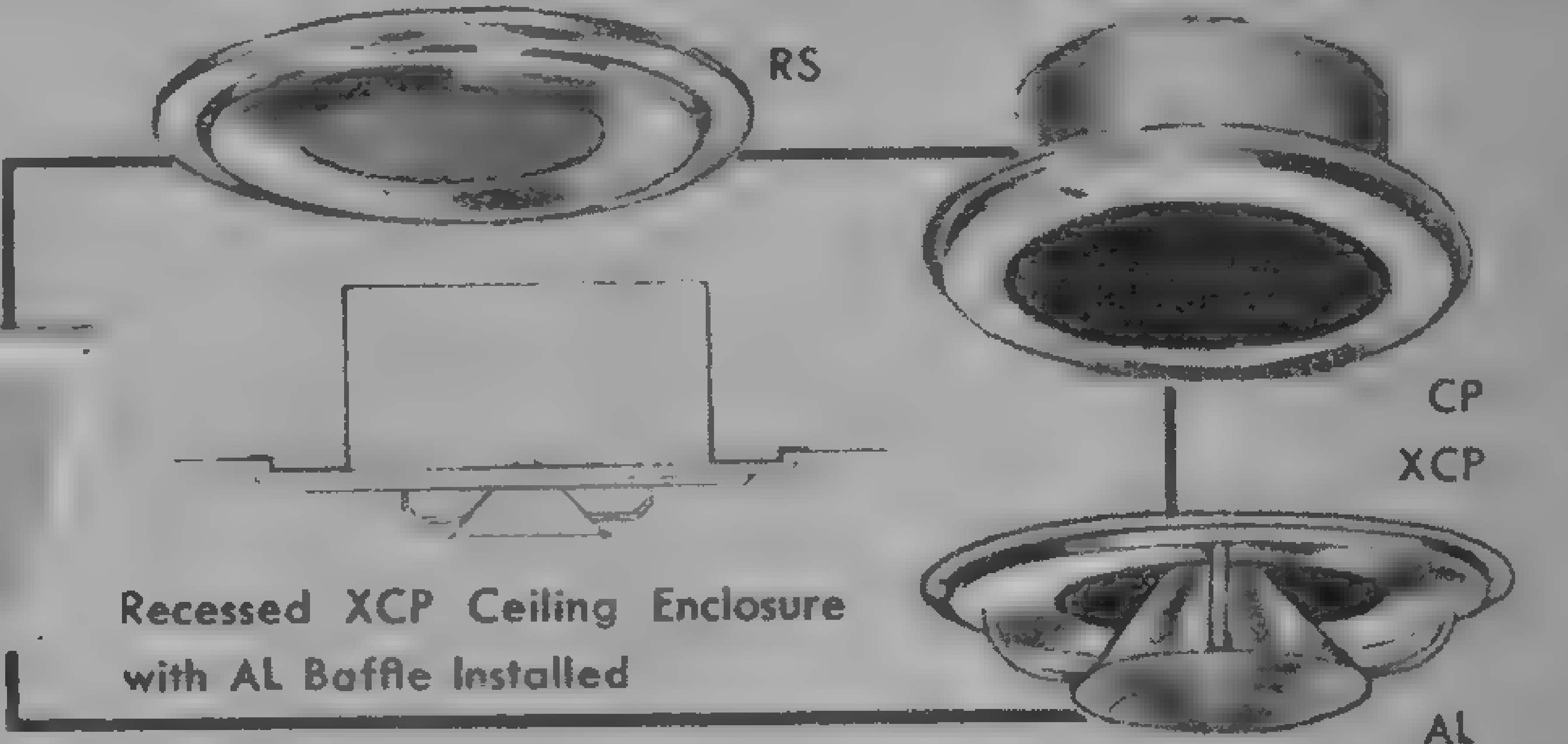


BL

AVAILABLE
IN
COLORS



JG-8
JG-12



Recessed XCP Ceiling Enclosure
with AL Baffle Installed

BL, AL and RS baffles are available in smart anodized decorator colors—Gold, Copper, Pink, Blue and Black. When ordering, use the word "Special" in place of Stock No. and specify color. For BL baffles, add $3.00 per unit; for RS baffles add $1.50 per unit; for AL add $2.25 per unit.

SURFACE-MOUNTING BAFFLES

BL SERIES—AVAILABLE IN HANDSOME COLORS. BL baffles are designed to enclose and conceal the speaker without the necessity for cutting holes in the ceiling. Constructed of spun aluminum, they're ideal for use in hotels, restaurants, department stores, lounges, wired music installations or any normal height ceiling area. Provide 360° sound coverage—quickly and easily installed flush to the ceiling with 4 toggle bolts. Housing has pressure-relief vents and is internally lined with ¾" jute to eliminate resonance. Note colors, above.

Stock No.	Type	Description	Lbs.	NET
95 DX 223	BL6-A	For 6" speakers. 6⅜x12¼" dia.	3¾	7.64
95 DX 224	BL8-A	For 8" speakers. 7½x14¾" dia.	4	12.94
95 DU 225	BL12-A	For 12" speakers. 9⅜x18⅝" dia.	6¾	15.88

FLUSH-MOUNTED SPEAKER BAFFLES

MODEL JG-8 SQUARE PERFORATED METAL TYPE. May be installed in either wall or ceiling. Made of heavy-gauge steel with 3/16" folded corners. Fits CP8 and XCP8 enclosures at right. 14¼x14¼x3". 1 lb.
89 DX 993. NET..8.62

MODEL JG-12. As above, but 18x18x3⅞". Fits CP12 and XCP12 enclosures at right. Shpg. wt., 1½ lbs.
89 DX 994. NET..12.01

CP & XCP SERIES FLUSH-MOUNTING BAFFLE ENCLOSURES. For mounting AL and RS baffles, below. CP types for new construction; have steel can and plaster ring. All have sound deadening material. Shpg. wt.: CP6 and XCP6, 3⅓ lbs. each; CP8 and XCP8, 4¼ lbs. each; CP1012 and XCP1012, 7½ lbs. each.

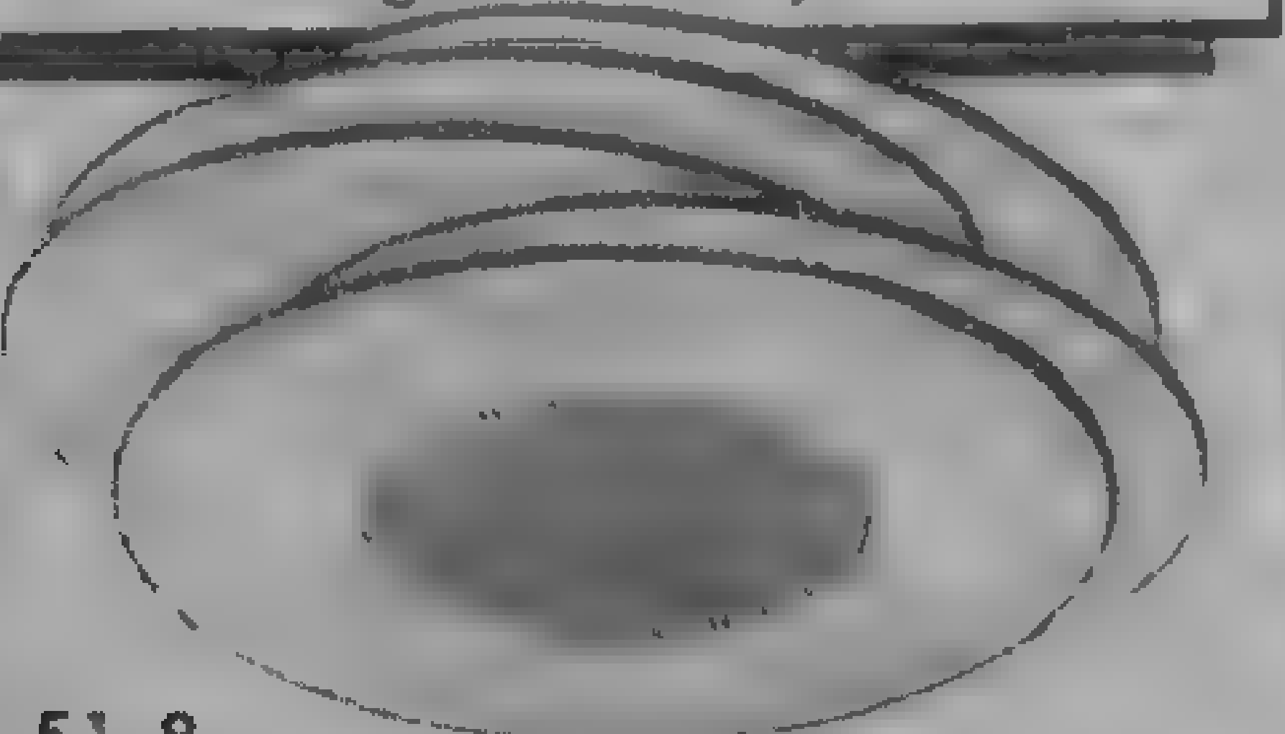
Stock No.	Type	Description	NET
95 DX 235	CP6	For AL6A, RS6A. 7" I.D.x4"x11¼" O.D.	4.28
95 DX 236	CP8	For AL8A, RS8A. 8½" I.D.x4½"x13" O.D.	5.29
95 DX 237	CP1012	For AL12A, RS12A. 12½" I.D.x7"x17⅛" O.D.	7.25
95 DX 232	XCP6	For AL6A, RS6A. 7" dia.x4" deep.	3.77
95 DX 233	XCP8	For AL8A, RS8A. 8½" dia.x4¼" deep.	4.73
95 DX 234	XCP1012	For AL12A, RS12A. 12½" dia.x7" deep.	6.39

RS & AL WALL AND CEILING BAFFLES. Attractive, modern-styled baffles that are ideal for general sound installations in offices, shops, restaurants, night clubs, etc. May be quickly and easily installed. Aluminum with ½" mtg. flange. Have satin finish. RS types for recessed wall mounting; AL for recessed ceiling mounting. Both require baffle enclosures, above.

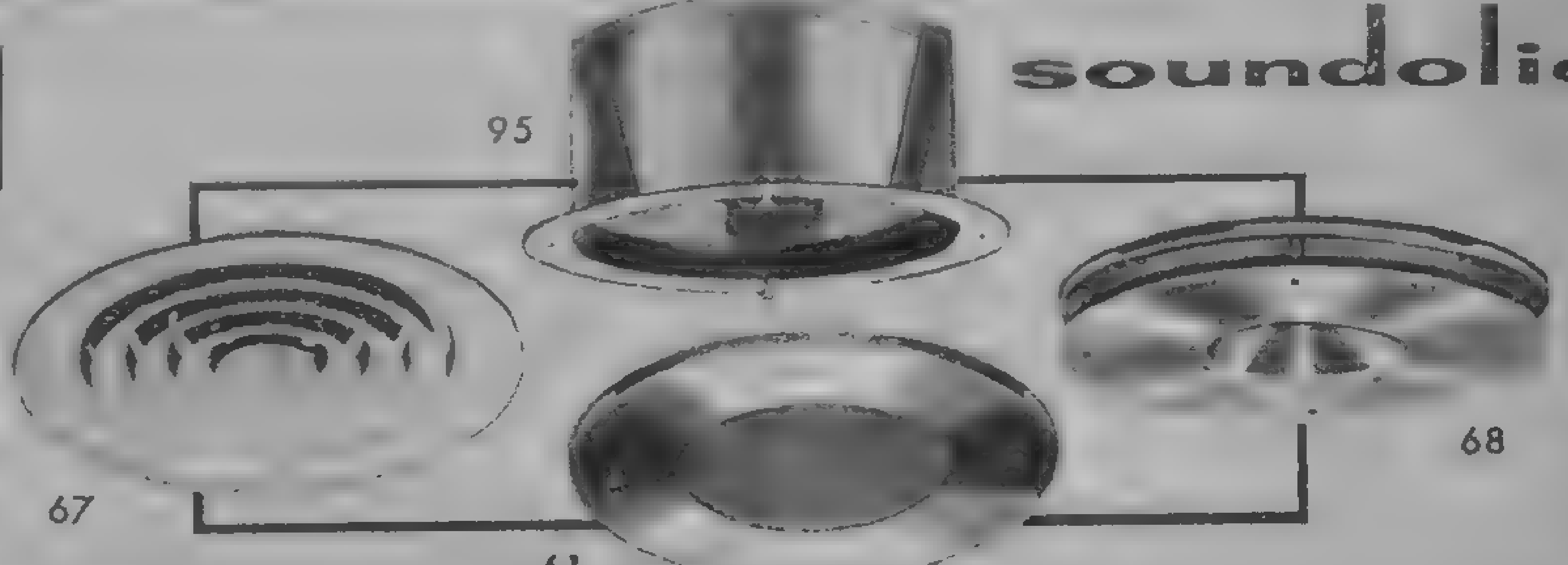
Stock No.	Type	Description	Lbs.	NET
95 DX 240	RS6-A	For 6" speakers. 10¾x7/16"	1	2.94
95 DX 238	RS8-A	For 8" speakers. 12⅜x½".	1	3.26
95 DX 239	RS12-A	For 12" speakers. 16½x½".	1¾	4.47
95 DX 226	AL6-A	For 6" speakers. 10½" dia.	1½	4.41
95 DX 227	AL8-A	For 8" speakers. 12⅝" dia.	1¾	7.14
95 DX 228	AL12-A	For 12" speakers. 16¾" dia.	3¼	9.00

BUY IN BULK AND SAVE!
Package of 5 only $7.95

soundolier



51-8



FLUSH-MOUNTING BAFFLES

MODEL 51-8 TRIM RING BAFFLE. Low-cost steel baffle for extremely fast installation. Offers attractive flush appearance when installed—may be painted to suit any decorative motif. Hole size required in ceiling, 8½". For use with 95-8 protective enclosure listed at right. Outer dia., 12¾". Shpg. wt., per pkg., 1 lb. **5 per package.**
70 DX 089. NET PER PACKAGE........................7.95

MODEL 67-8 LOUVERED BAFFLE. Similar to air diffusers in appearance. Welded construction; carefully checked for vibration and rattle. For 8" speakers only. O.D., 12". Hole size required in ceiling, 10¼". Use with 95-8 enclosure, at right. Shpg. wt., 1½ lbs.
89 DX 971. 5 to 19, EACH.....4.29 1 to 4, EACH.....4.77

SERIES 61 TRIM RING BAFFLES. Highly polished, 20-gauge steel trim ring baffles. Offer attractive flush appearance when installed; will not buckle or "give" when bolts are driven in place. Less speaker. Hole size required in ceiling: 61-8, 8½", 61-12, 12½".

Stock No.	Model	Speaker	Enclosure	O.D.	Lbs.	1-4, EA.	5-19, EA.
89 DX 973	61-8	8"	95-8	12¾"	1	3.11	2.80
89 DX 974	61-12	12"	95-12	17"	1	4.25	3.82

SERIES 67-95 CEILING BAFFLE-SPEAKER-ENCLOSURE COMBINATION. Combination includes: 67-8 baffle; 95-8 enclosure; Quam 8A4 8" heavy-duty speaker. Requires 10" dia. hole. Impedance, 8 ohms. Shpg. wt., 10 lbs.
70 DX 087. Save $2.00. ONLY........................13.89

SERIES 61-95 CEILING BAFFLE-SPEAKER-ENCLOSURE COMBINATION. Combination includes: 61-8 baffle; 95-8 enclosure; Quam 8A4 8" heavy-duty speaker. Requires 10" dia. hole. Impedance, 8 ohms. Wt., 9 lbs.
70 DX 088. Save $2.00. ONLY........................12.33

SERIES 95 PROTECTIVE ENCLOSURES

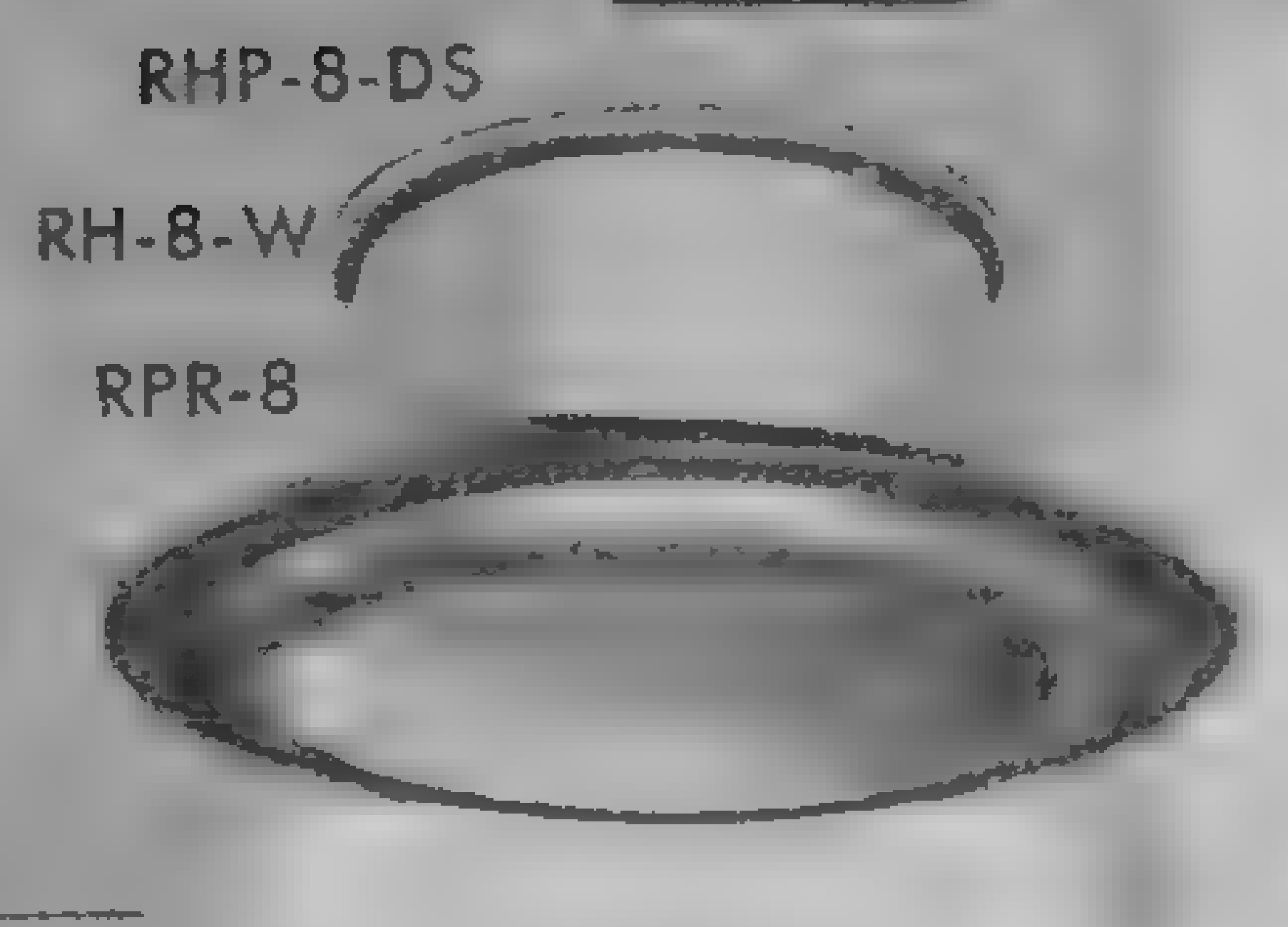
Protective enclosures (cans) for installation in new or existing ceilings. In order to install in existing ceilings, enclosures are mounted through four holes in flange. For new construction, 4 straps allow use in any thickness of plaster. Protected by undercoating and jute lining. Less speaker.

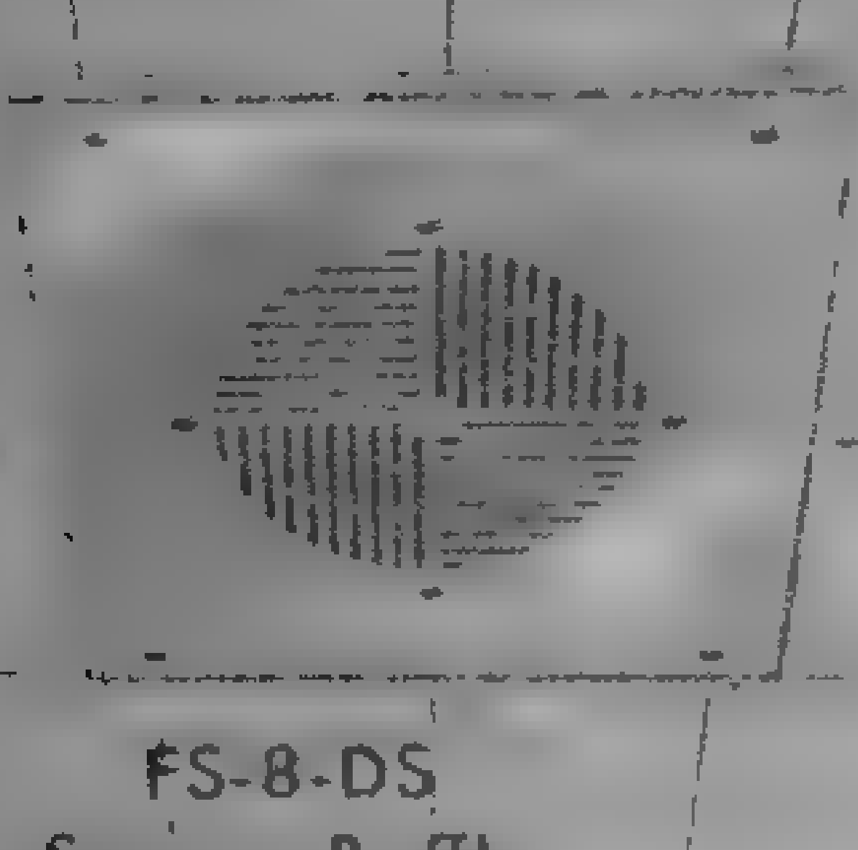
Stock No.	Model	For Use With:	O.D.	Depth	Lbs.	1-4, EA.	5-19, EA.
89 DX 975	95-8	61-8, 67-8, 68-8	9⅞"	4¼"	7	5.12	4.61
89 DX 976	95-12	61-12	14⅝"	7"	8	7.38	6.64

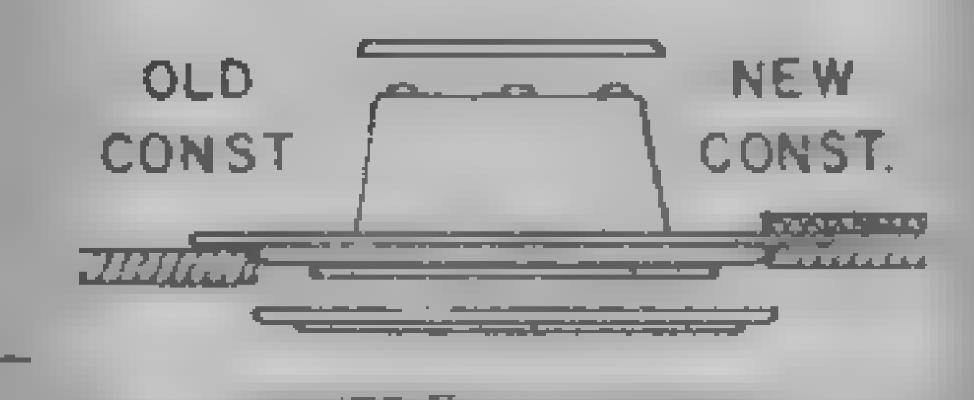
MODEL 68-8 LOW-CEILING BAFFLE. Attractive modern styling. Features a brushed aluminum sound diffractor for elimination of beaming in low-ceiling installations. Satin brushed aluminum. For 8" speakers only. O.D., 12¾". Hole size required in ceiling, 8½". Use with 95-8 enclosure, above. Shpg. wt., 2 lbs.
89 DX 972. 5 to 19, EACH......6.56 1 to 4, EACH.....7.29
Write for quantity prices on 20 or more

New 4J Fiberglass Baffles

ACR-8-DS
"Audio-Clock"




FS-8-DS
Square Baffle



FR-8-DS Round Baffle

Provide the strength of steel, the light weight of aluminum, and the beauty of wood. Naturally non-resonant and fire-resistant! Attractive neutral finishes; can be painted any color. All perforations are slotted for wider dispersion angle.

MODEL ACR-8-DS CLOCK-BAFFLE. Attractive, combination electric clock and speaker baffle for 8" speaker. Slotted grille in clock face distributes sound evenly. Designed for wall installation in 10x10x6" deep pull box (not supplied). Desert sand finish clock face is 12" square. For 110-120 v., 60 cycle AC (24 v. AC clock available on Special Order). Shpg. wt., 4 lbs.
70 DU 373. *Only $2 Down. Price includes F.E.T.* NET.... **20.64**

MODEL ACS-8-DS CLOCK-BAFFLE. As above, but for mounting in 10x 10x4" deep pull box. Clock face is 12¾" square. Shpg. wt., 5 lbs.
70 DU 374. *Only $2 Down. Price includes F.E.T.* NET..... **24.39**

70 DX 375. Model FS-8-DS Square Face Plate. Desert Sand finish. Size, 12x12". Shpg. wt., 1 lb. NET.......................... **2.94**

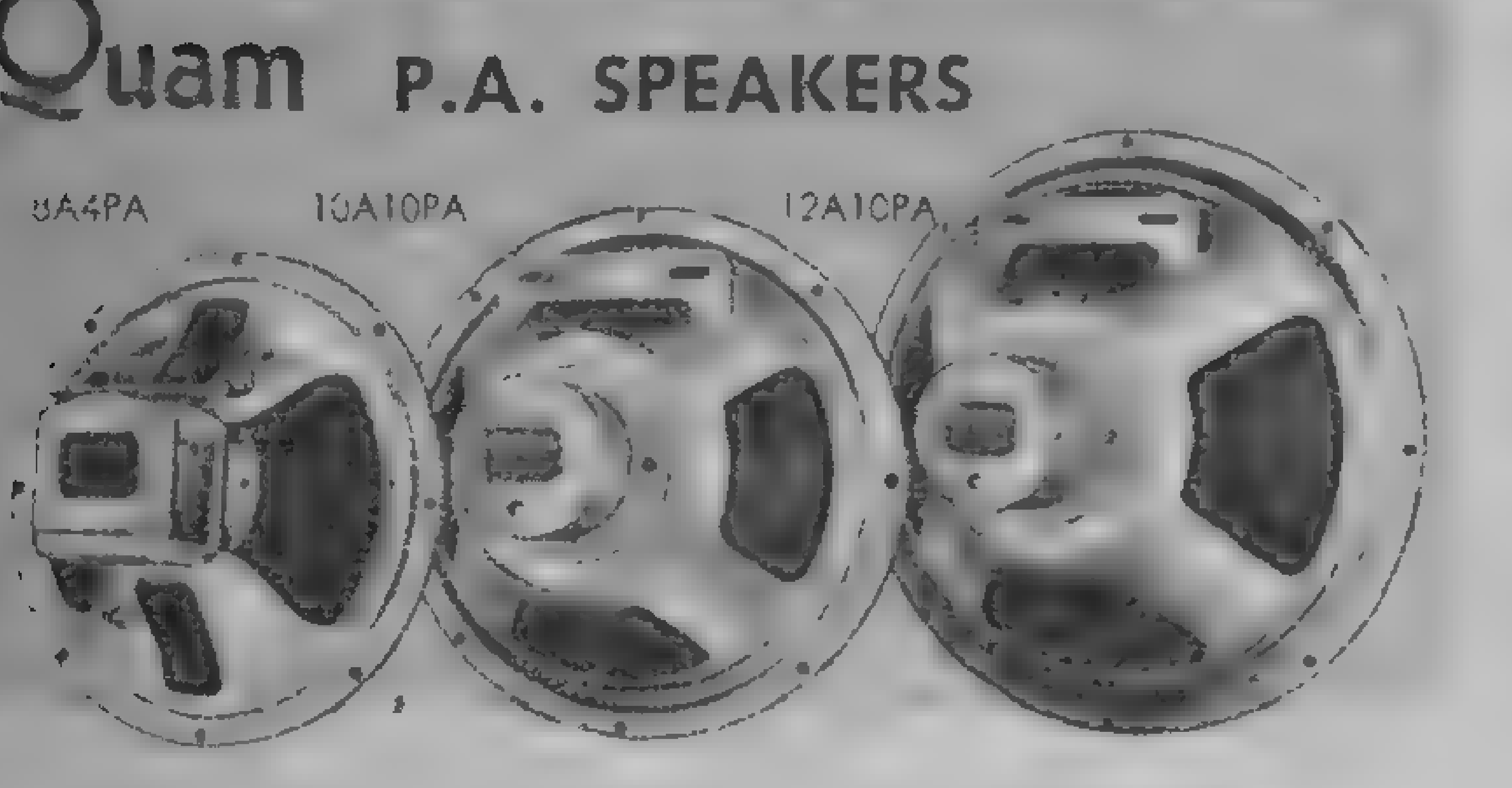
70 DX 376. Model FR-8-DS Round Face Plate. Desert Sand finish 10⅞" in diameter. Shpg. wt., ¾ lb. NET.................... **2.21**

70 DX 377. Model RH-8-W Housing. Accommodates any 8" speaker; does not limit speaker response. White finish. Wt., 1 lb. NET.. **2.94**

70 DX 378. Model RHP-8-DS Cover Plate. Desert Sand finish. Has ⅞" knockout hole. Shpg. wt., 9 oz. NET...................... **69c**

70 DX 379. Model RPR-8 Round Plaster Ring. Mounts from either side of ceiling surface; can be cut to fit 10" cutout. 10 oz. NET. **2.21**

Quam P.A. SPEAKERS



- **Specially Designed for P.A. Use; 1" Voice Coils**
- **Heavy-Gauge Steel Basket; Baked Enamel Finish**

Feature U-shaped field coil pot for an unbroken flux path of sufficient cross section to carry the full energy of the magnetic field. Quam's Adjust-A-Cone suspension consists of a clamping ring securely fastening the spider to the basket by means of two machine screws rather than cement. Assures precision centering of voice coil. Alnico V magnet. With bracket for matching transformer. *Ring-type magnet structure instead of U-shaped pot. 8A6PAOT is weather-proofed for outdoor use. All have 8-ohm voice coils.

Stock No.	Mfr's Type	Size	Watts	Magnet Wt.	Lbs.	EACH
81 D 061	8A21PA	8"	8	2.15 oz.	1½	4.82
81 D 062	8A31PA	8"	10	3.16 oz.	2¼	5.59
81 D 335	8A4PA	8"	12	4.64 oz.	2¾	6.47
81 D 336	8A6PA	8"	12	6.8 oz.	3¼	7.64
81 D 048	8A6PAOT	8"	12	6.8 oz.	3¼	8.06
81 D 063	10A31PA	10"	12	3.16 oz.	2¾	6.76
81 D 064	10A10PA*	10"	20	10.0 oz.	3½	10.58
81 DX 065	12A31PA	12"	12	3.16 oz.	3¾	7.03
81 DX 337	12A4PA	12"	15	4.64 oz.	4	8.38
81 DX 338	12A6PA	12"	15	6.8 oz.	4½	9.38
81 DX 340	12A10PA*	12"	25	10.0 oz.	4¾	11.73

Jensen
PROFILE SERIES
P. A. SPEAKERS
CERAMIC MAGNETS

New, Shallow
Design

New series of 8" and 12" speakers featuring Syntox-6 ceramic magnets and new shallow-depth design. 8" models can now be mounted in walls with standard 2x4" studs. Moisture-proofed cones for long life expectancy. 120° sound dispersion area. Feature 1" voice coils. Impedance, 8 ohms.

Models C8-SC and C12-SC are recommended for use in low-level music distribution systems, and for sound reinforcement systems in school rooms, offices, stores, restaurants, and similar applications C8-RC and C12-RC offer higher efficiency and greater power handling ability

MODEL C8-SC 8" SPEAKER. Magnet wt., 6 oz. Baffle cutout, 6¾" in diameter. Depth, 2^{15}⁄$_{16}$". Capacity, 11 watts. 2½ lbs.
70 D 396. NET.................................. **6.09**

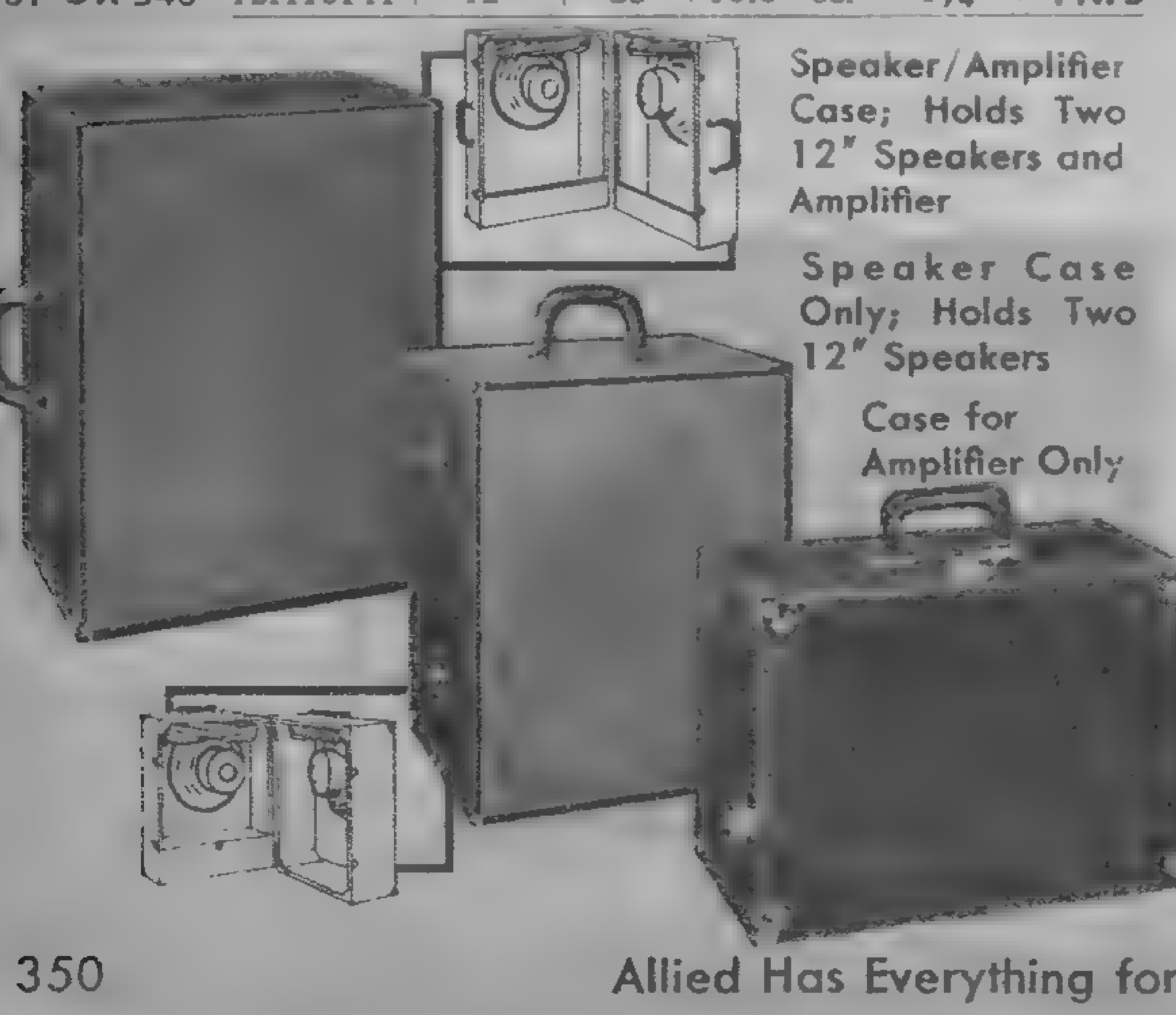
MODEL C8-RC 8" SPEAKER. Magnet wt., 8.5 oz. Baffle cutout, 6¾" in diameter. Depth, 3". Capacity, 12 watts. Shpg. wt., 3 lbs.
70 D 397. NET **7.3**

MODEL C12-SC 12" SPEAKER. Magnet wt., 6 oz. Baffle cutout, 10½" in diameter. Depth, 4⁷⁄₁₆". Capacity, 13 watts. 5½ lbs.
70 DX 398. NET **8.6**

MODEL C12-RC 12" SPEAKER. Magnet wt., 8.5 oz. Baffle cutout, 10 in diameter. Depth, 4½". Capacity, 14 watts. Wt., 6 lbs.
70 DX 399. NET................................ **9.41**

New All-Wood, P.A. Speaker-Amplifier Cases

Ruggedly built, all-wood cases, designed to take years of wear. Covered with washable, charcoal-gray pyroxylin fabric; matching, gray Saran grille cloth. Have metal-reinforced corners. Cable wind-up brackets in speaker cases are plated to resist rust. Have compartments for loose parts.


Speaker/Amplifier Case; Holds Two 12" Speakers and Amplifier

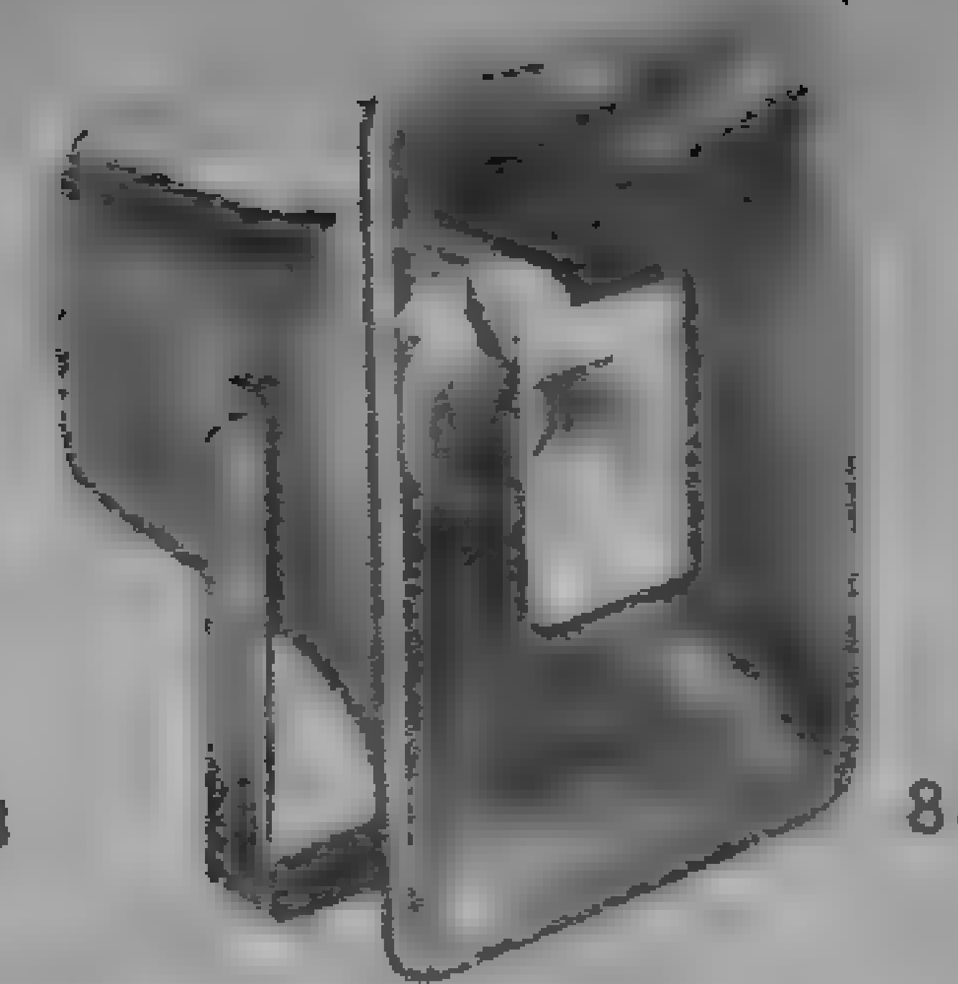
Speaker Case Only; Holds Two 12" Speakers

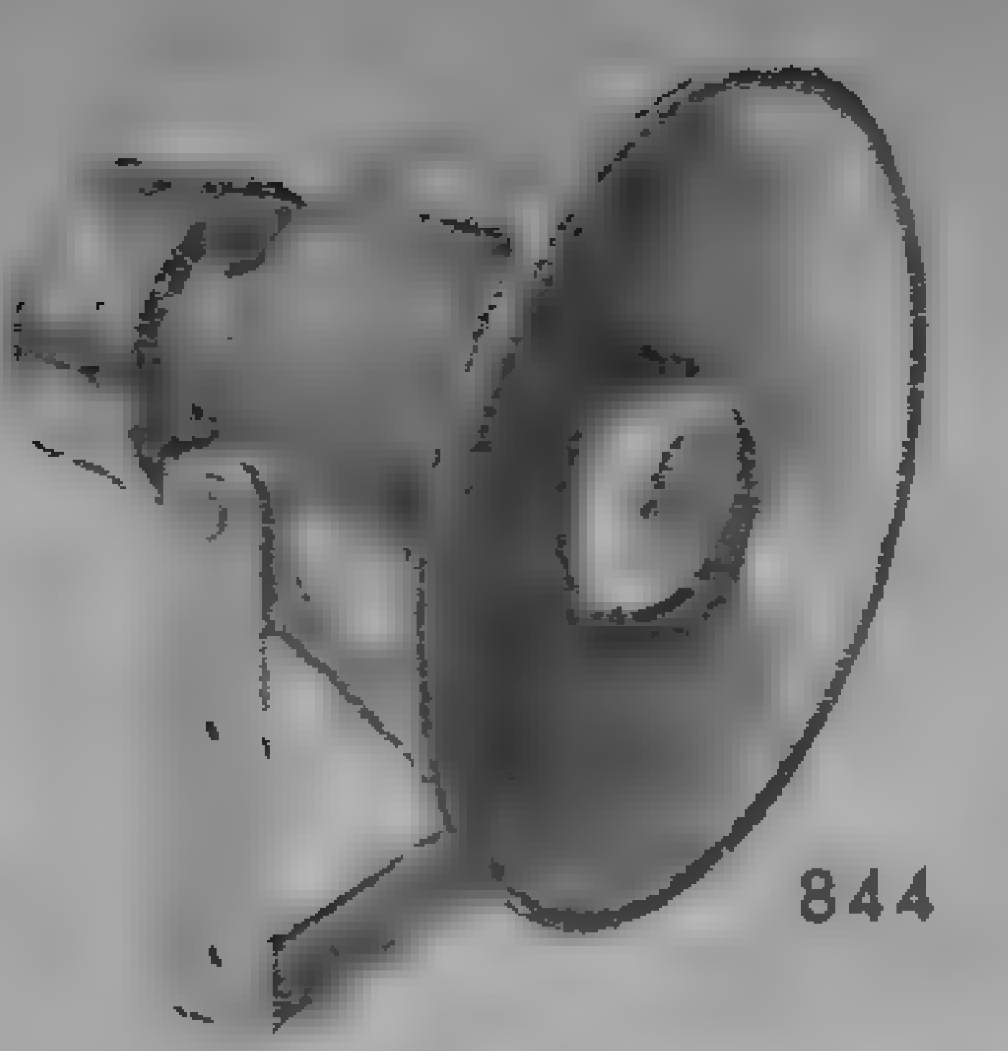
Case for Amplifier Only

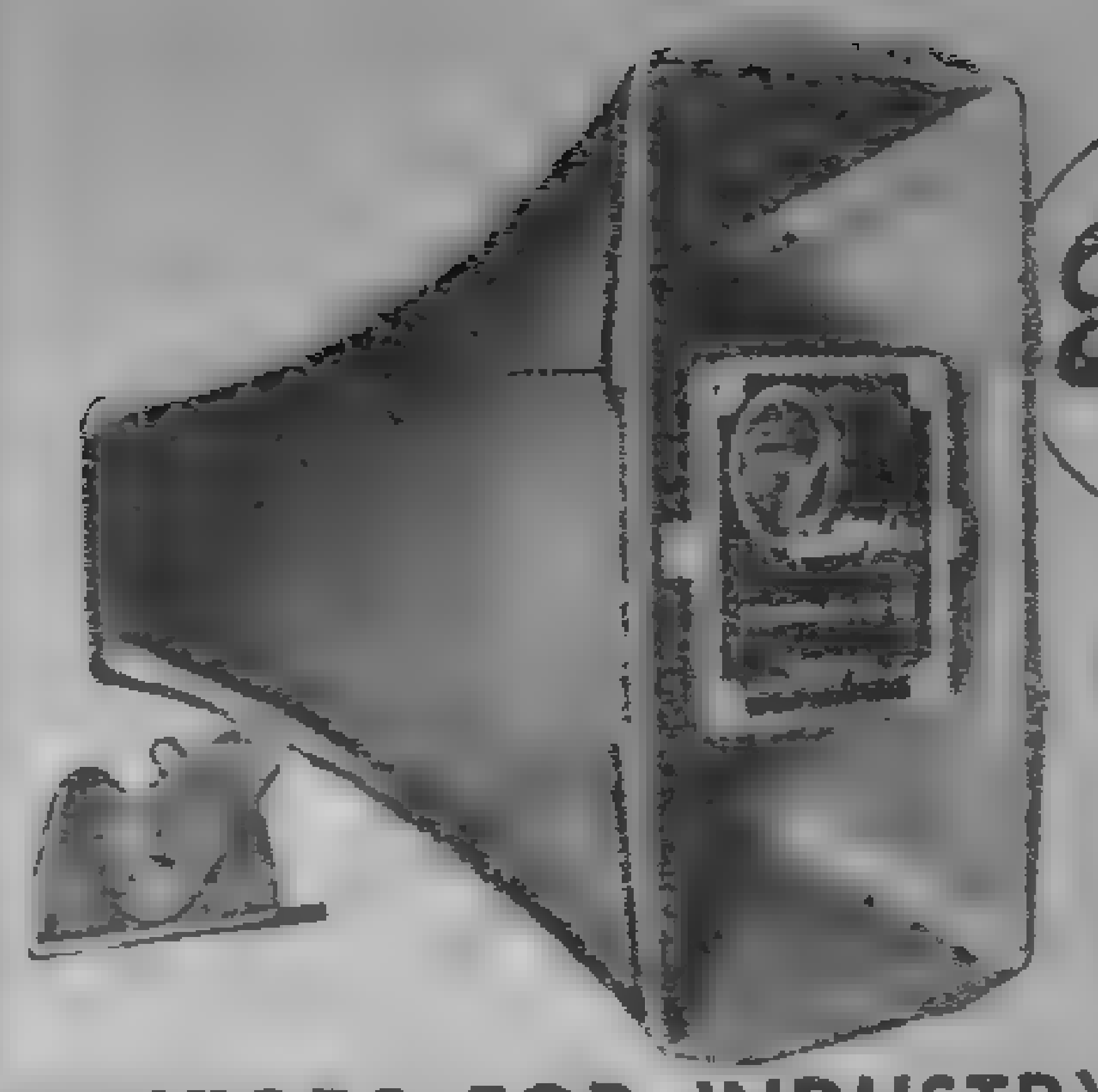
SPEAKER-AMPLIFIER CASE. Accommodates two 12" speakers, a Knight 16 or 32-watt P.A. amplifier. Features clips for secur fastening Atlas CS-33 mike stand, storage compartments for crophones and loose parts, plus convenient, cable wind-up bracket HWD: 24x18½x12¼". Shpg. wt., 21 lbs.
35 DU 735. NET **19.9**

CASE FOR TWO 12" SPEAKERS. Separates into two halves— half accommodates a 12" speaker. Also equipped with clip for f ing Atlas CS-33 mike stand, compartments for mikes and part wind-up brackets for cables. HWD: 20x16x13¾". Shpg. wt., 1
35 DU 731. NET **15.9**

CASE FOR AMPLIFIER ONLY. Accommodates either the Knight 1 watt, or 32-watt P.A. amplifier, with or without phono tops. A plifier is safely anchored to bottom—cannot shift position being carried. HWD: 12x16½x9¼". Shpg. wt., 8 lbs.
35 DX 732. NET................................ **9.1**







ELECTRO-VOICE HIGH-EFFICIENCY SOUND PROJECTORS FOR INDUSTRY

MODEL 848 CDP 30-WATT PROJECTOR. Unique coaxial projector with single driver. Virtually indestructible, weatherproof spun fiberglas construction; high-quality sound. Two horns: large horn for low frequencies from 150 to 1000 cps; small horn for highs—1000-10,000 cps. Low-end is augmented by 100 cps horn taper for one-half octave added bass. Coverage, 120°. Capacity, 30 watts. 16 ohms. Mesa Tan. 20½x10½" mouth; 20" deep. Wt., 15 lbs. *$2 Down.*
81 DU 490. List, $82.50. NET........................**48.51**

MODEL 847 CDP 25-WATT PROJECTOR. Smaller version of 848 above. Has two coaxially mounted diffraction horns for 120° distribution at all frequencies from 250 to 10,000 cps. Capacity, 25 watts. Impedance, 16 ohms. 1500 cps crossover. 11¾x7¾" mouth; 10⁷⁄₃₂" deep. Wt., 10 lbs. *$2 Down.*
81 DX 851. List, $51.00. NET..... **29.99**

MODEL 844 RE-ENTRANT PAGING SPEAKER. Die-cast re-entrant horn, detachable 30-watt driver and universal mounting bracket. Ideal for police and fire vehicles, etc., as well as paging systems. Tropicalized and weatherproofed. Response, 250 to 13,000 cps. Capacity, 30 watts. Impedance, 8 ohms. Dispersion, 90°. Dia., 9⅞"; 8³⁄₁₆" deep. 8½ lbs. *$2 Down.*
82 DX 921. List, $36.50. NET........................**21.46**

NEW MODEL PA-15 PAGING SPEAKER: Attractively-styled, die-cast horn offering wide response: 350 to 13,000 cps. Dispersion, 120°. Capacity, 10 watts. Built-in transformer housing; single driver. Imp., 8 ohms. 8¾x5¾x8³⁄₃₂". Shpg. wt., 5½ lbs.
82 D 925. List, $30.00. NET........................ **17.64**
82 D 926. Model PA-15-45. As above, but 45 ohms. NET.....**18.37**

DRIVERS & TRUMPETS FOR SPECIAL APPLICATIONS

COMPOUND HORNS. Dual horn assemblies for wide response. Large horn for broad bass response; small horn for high frequencies. Less drivers, select from listing below.

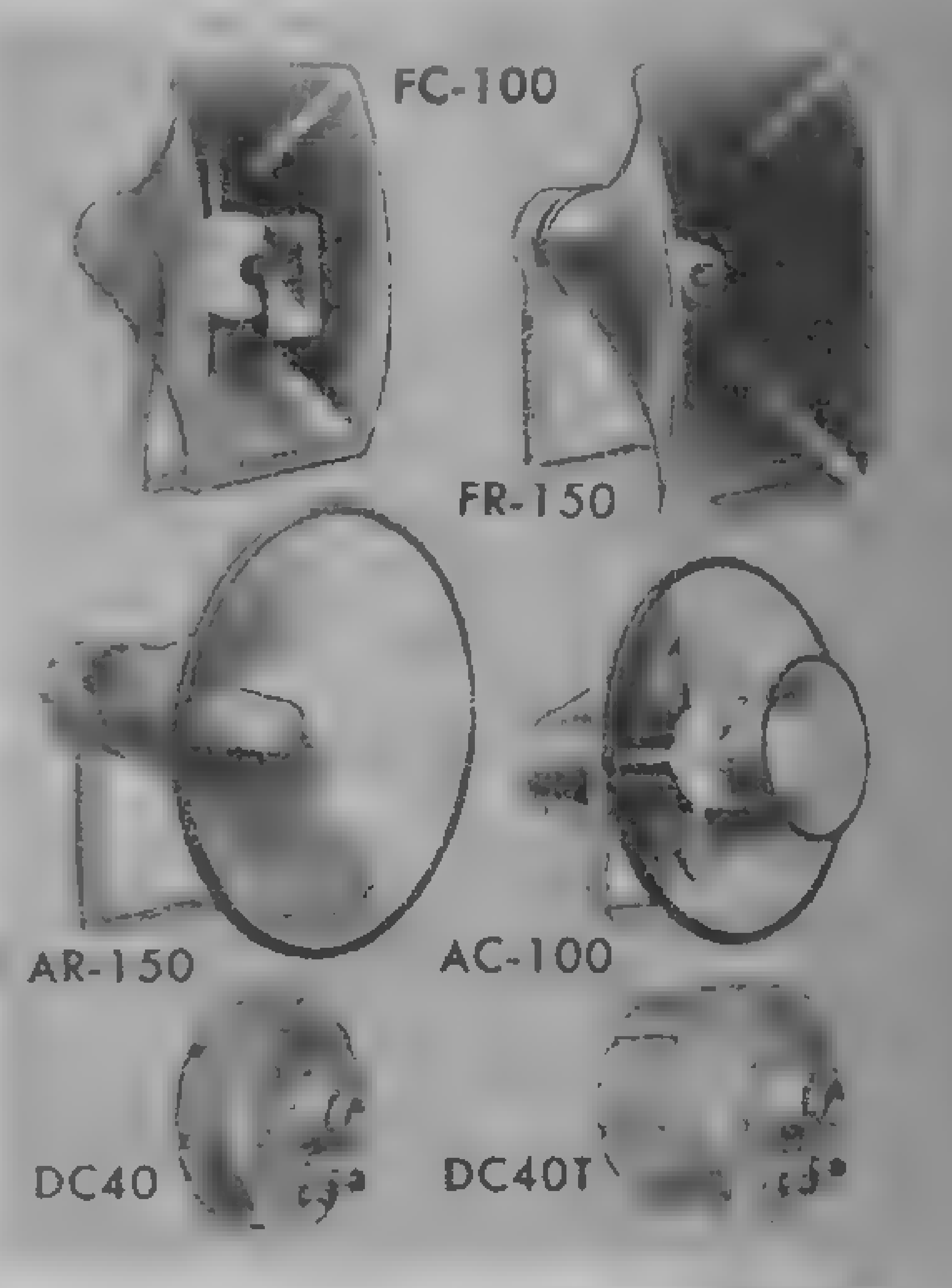
MODEL FC-100 RECTANGULAR. Tan fiberglas. Cutoff, 100 cps. 90x120° dispersion. 10½x20½". Wt., 12¼ lbs. *$2 Down.*
70 DU 437. List, $50.00. NET....**29.40**

MODEL AC-100 ROUND. Low frequency dispersion, 80°; high, 30°. Crossover at 1000 cps. 21" dia.; 16" deep. 13½ lbs.
70 DU 438. List, $47.00. NET....**27.64**

RE-ENTRANT HORNS. Single horns with precision die-cast tube. FR-150 has Mesa Tan fiberglas horn; AR-150 has spun aluminum bell. Less drivers, select from listing below.

MODEL FR-150 RECTANGULAR. For broad coverage. Distribution, 70x100°. Cutoff, 150 cps. 10½x20½"; 21" deep. 12 lbs.
70 DU 439. List, $39.00. NET....**22.93**

MODEL AR-150 ROUND. Deep, narrow-angle penetration. Cutoff, 150 cps. Distribution, 85°. Dia., 21"; 17" deep. Wt., 8 lbs.
70 DU 440. List, $34.00. NET.....**19.99**

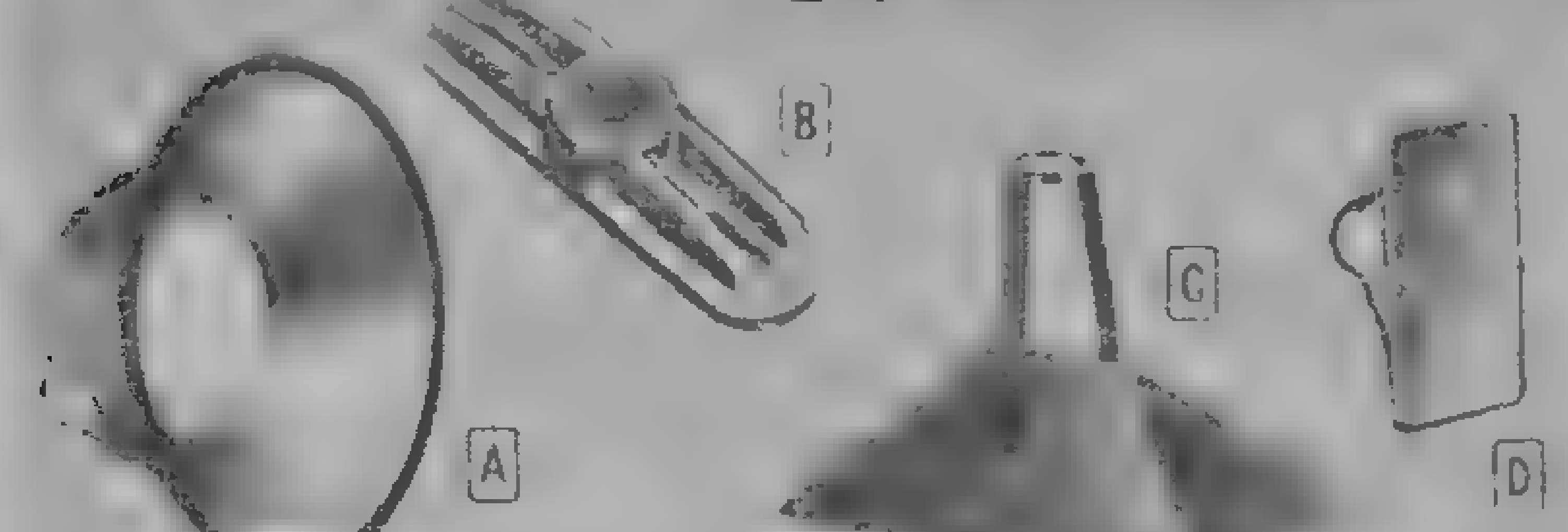


Convertible Drivers for Above Units

High efficiency drivers that can be used interchangeably in both compound and re-entrant horns. Double-power Indox (ceramic) magnets used in low-loss magnetic circuits. Edge wound ribbon voice coils for 18% additional energy from the amplifier than conventional designs. T in Type No. indicates with transformer. All have 16 ohm voice coil impedance. *Indicates wattage of taps for use in 70.7 volt systems.

Stock No.	Type	Range, Cps	Pri. Ohms	*Watt Taps	Watts	Lbs.	List	NET
70 D 441	DC30A	150-10,000	....	....	30	4¼	$31.00	18.23
70 D 442	DC30T	150-10,000	167, 333, 1K, 2K	30, 15, 5, 2.5	30	5¾	41.00	24.11
70 D 443	DC40	140-11,000	....	....	40	6¾	40.00	23.52
70 D 444	DC40T	140-11,000	125, 250, 500, 1K	40, 20, 10, 5	40	8¾	52.50	30.87
70 D 430	DC50	140-11,000	....	....	50	8	52.50	30.87
70 D 431	DC50T	140-11,000	100, 143, 200, 500	50, 35, 25, 10	50	9¼	63.50	37.34

E-V ACCESSORIES



A **HC1000 CONCENTRATING HORN.** Converts FC100 or 848 to concentrated (30°) coverage above 1000 cps. 4 lbs.
82 D 923. List, $10.00. NET. **5.88**

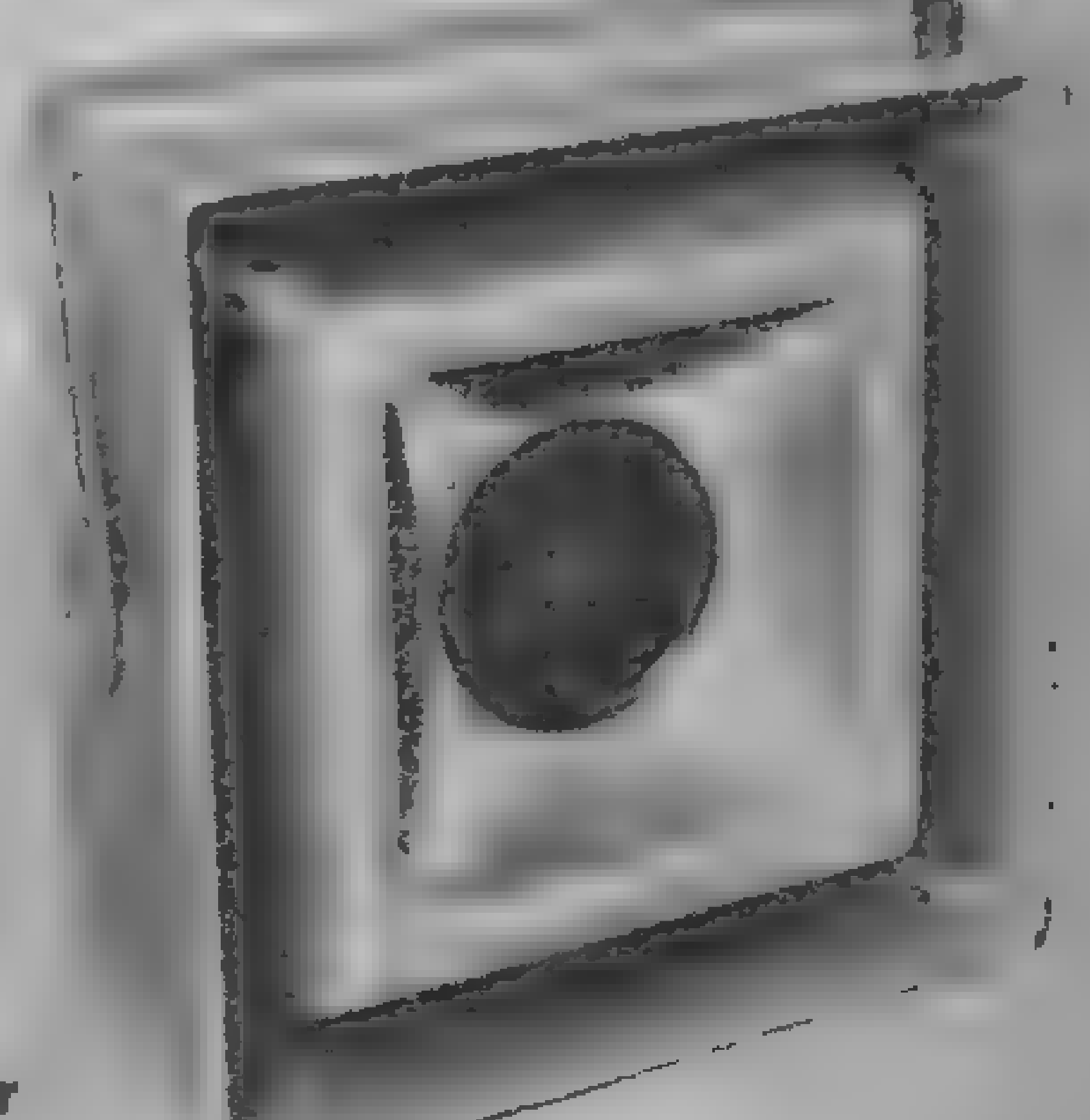
B **AP-1 PIPE STAND ADAPTER.** Adapts "U" bracket to ½" pipe. 1 lb.
70 D 433. List, $2.50. NET................... **1.47**

C **RA-1 RADIAL ADAPTER.** Adapts FC100 or 848 to "radial" applications. 1 lb.
70 D 434. List, $6.00. NET **3.53**

D **HD1000 DIFFRACTION HORN.** Converts AC100 to wide angle coverage (60°x120°) above 1000 cps. 1½ lbs.
70 D 432. List, $6.00. NET.............. ..... **3.53**

879 JOINING KIT. Joins 848, FC100 or FR150 projectors in arrays. One kit required for each additional projector. 1 lb.
81 D 495. List, $2.75. NET.. .... **1.62**

RE-35 TWEETER. Not illus. Mounts in FC100 or 848 (above). Response 3500-18,000 cps. 16 ohms. Shpg. wt., 4½ lbs. *$2 Down.*
82 D 924. List, $40.00. NET........................**23.52**



MUSICASTER

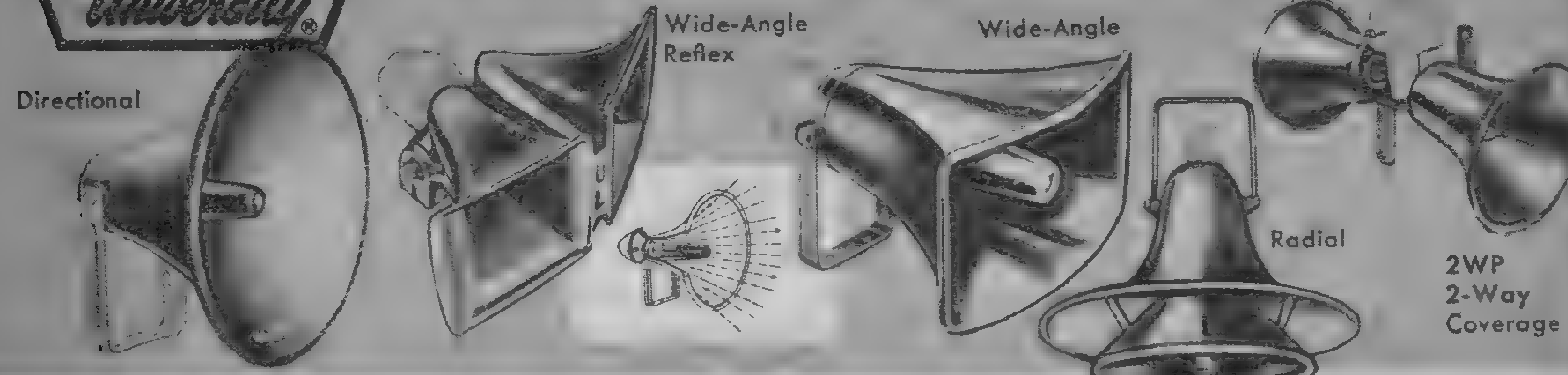
Weatherproof Speaker

Unique one-piece, weatherproof speaker system. Employs a die-cast aluminum, back-loaded folded horn as an integral part of its structure—extends bass response to 60 cps. Compact and lightweight, the "Musicaster" provides remarkably clean and highly realistic reproduction of voice and music. Ideal for square dances, school use or for the home. Rubber feet allow placement on any flat surface during portable use. Response, 60 to 13,000 cps. Impedance, 8 ohms. Dispersion, 120°. Capacity, 30 watts. HWD. 21½x21½x8½". Shpg. wt., 34 lbs. *$2 Down.*
82 DU 922. List, $90.00. NET........................**52.92**

MUSICASTER II. Same fine unit as above plus VHF tweeter. Smooth response from 60 to 18,000 cps. With crossover. 36 lbs. *$2 Down.*
70 DU 435. List, $125.00. NET........................**73.50**

MODEL MB-1 MOUNTING BRACKET. Allows mounting of "Musicaster" flat against wall for neat, unobtrusive installation. Replaces standard "U" bracket. 1 lb.
70 D 436. List, $4.50. NET........................ **2.65**

TRUMPETS AND DRIVERS . . . Combine Them As Neede



NARROW-ANGLE, DEEP-PENETRATION TRUMPETS

A selection of P.A. trumpets designed to provide deep sound penetration with a narrow distribution angle. Excellent for all applications where an exceptionally "long throw" is required or for areas where it is necessary to over-ride very high ambient noises. The large horn diameters of the units listed below provide a sharper distribution pattern than would be obtained with smaller units—provide more sound intensity along the speaker axis. In addition, the load on the driver diaphragm is distributed more uniformly, resulting in smoother overall frequency response and greater protection against low-frequency overload.

Model GH has 85-cps cutoff for excellent music reproduction. Models LH and PH have higher cutoff for general use. Model SMH for voice only. Supplied with "U" mtg. bracket, less driver.

Stock No.	Type	Dia.	Length	Low Cutoff	Lbs.	List	EACH
95 DZ 158	GH	30⅞"	27⅞"	85 cps	22	$75.60	**44.45**
95 DZ 155	LH	25⅝"	19"	120 cps	16½	46.73	**27.48**
95 DZ 156	PH	20¼"	15¾"	150 cps	11¾	34.13	**20.07**
95 DX 157	SMH	16½"	12"	200 cps	8	28.88	**16.98**

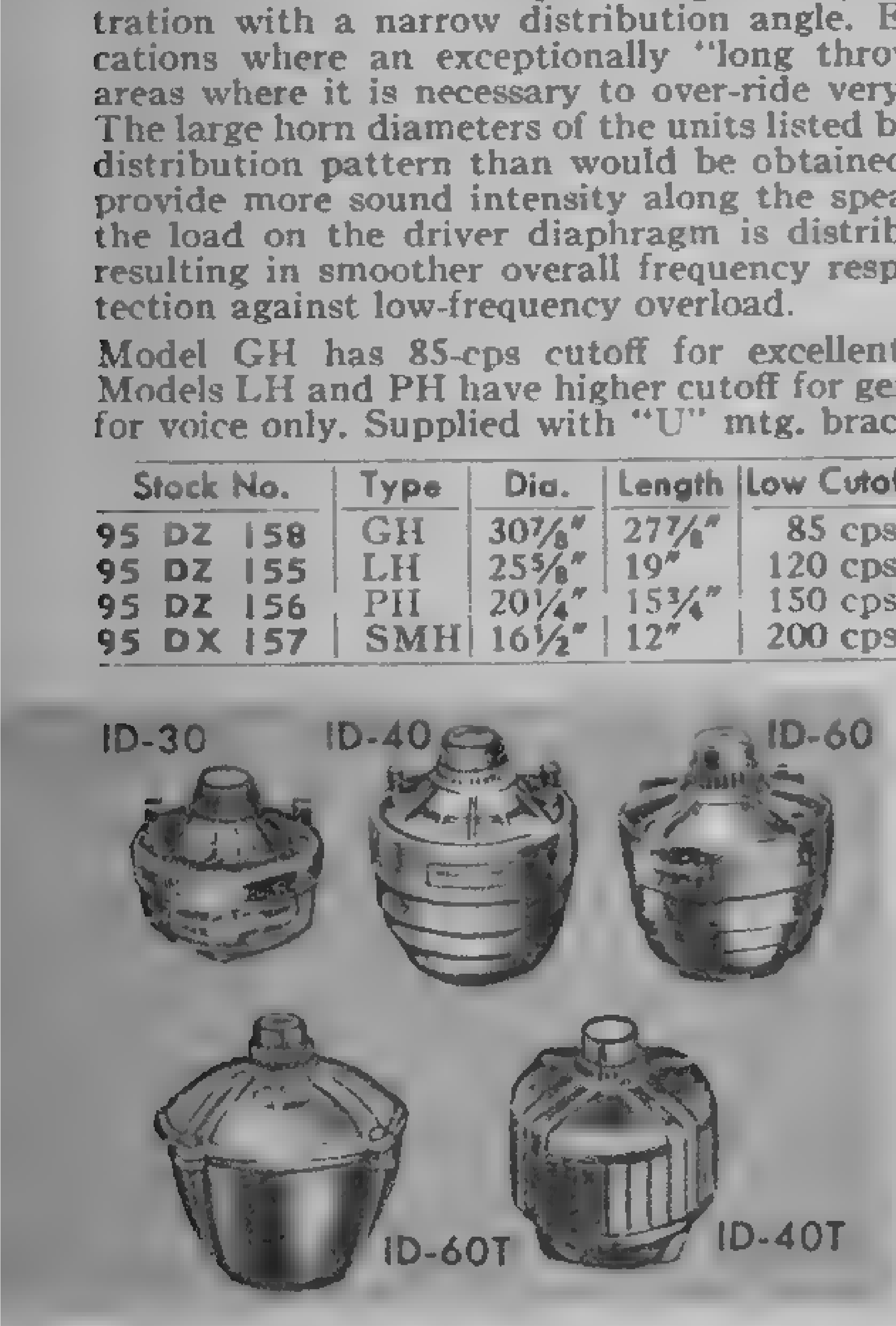
COBREFLEX-2 WIDE-ANGLE REFLEX TRUMPET. Provides 120° horizontal sound pattern. 200-cps cutoff. For voice only. With swivel-joint bracket. 9¼x18½x10¼". Less driver. 10¼ lbs.
95 DX 184. List, $40.25. NET....................**23.67**

MODEL CLH WIDE-ANGLE TRUMPET. Features 4½-ft. air column. 120-cps cutoff. 21½x11⁹⁄₁₆x20¹⁄₁₆" dia. Less driver. 15 lbs.
93 DU 376. List, $46.50. NET....................**27.34**

MODEL RPH RADIAL TRUMPET. For ceiling use; 360° coverage. 140 cps cutoff. 4-ft. air column. 25³⁄₁₆" dia. Less driver. 19 lbs.
95 DZ 162. List, $47.00. NET....................**27.64**

MODEL RLH. As above, but with 5-ft. air column. 25 lbs.
95 DZ 042. List, $59.00. NET....................**34.69**

2WP 2-WAY CORRIDOR SPEAKER. Dual horns, 180° opposed for economical coverage of two oppositely located areas. For school or hospital corridors, railroad stations, etc. Use with ID Series driver from table below. Dispersion, 120° each horn. Power and impedance ratings depend on type of driver used. With adjustable bracket. 20½x8" dia. Shpg. wt., 4 lbs.
81 DX 860. List, $29.40. NET **17.29**

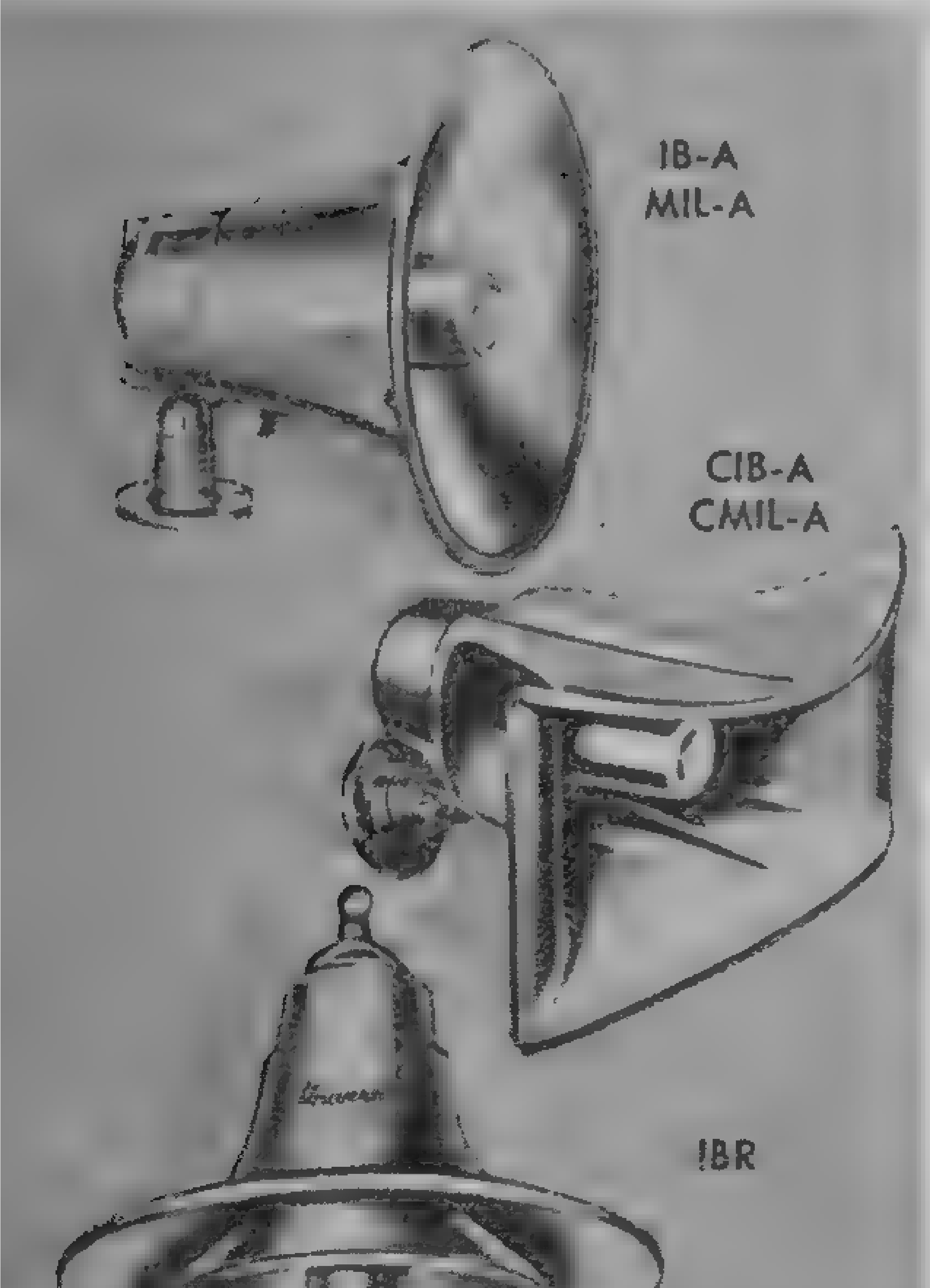


Drivers For Heavy-Duty Trumpets

Wide-range response, breakdown-proof drivers for any trumpet listed above. All are PM type, hermetically sealed to assure the ultimate in efficiency. These drivers provide that extra punch needed to cut through heavy noise; give clearer more intelligible P.A. Use either indoors or out, in any climate, under any environmental conditions. ID-40T, ID-60T have built-in multi-impedance line transformers with power taps. All have 16-ohm voice coil impedance. *Indicates wattage of taps for 70.7 v. systems.

Stock No.	Type	Cps	Pri. Ohms	*Watt Taps	Watts	Lbs.	List	NET
70 D 364	ID-20	120-6500	. . .	. . .	20	3	$23.50	**13.82**
70 D 365	ID-30	100-7500	. . .	. . .	30	3¾	31.50	**18.52**
70 D 366	ID-40	80-12,000	. . .	. . .	40	4½	39.50	**23.23**
70 D 368	ID-60	70-12,000	. . .	. . .	60	5¾	52.75	**31.02**
70 D 367	ID-40T	80-12,000	45, 122, 250, 500, 1K, 2K	40, 20, 10, 5, 2.5	40	5¼	52.75	**31.02**
70 D 369	ID-60T	70-12,000	16, 80, 165, 250, 500, 1K, 2K	60, 30, 20, 10, 5, 2.5	60	6¼	63.25	**37.19**

Paging-"Talk-Back" Units, Complete With Drivers, For Special Jobs



MODEL IB-A8 GENERAL-PURPOSE SPEAKER. Compact, highly efficient, economy-priced reflex-type with built-in 15-watt driver unit. Offers maximum speech intelligibility in high-noise areas—can even be mounted on heavy machinery where sound source must be brought close to personnel. 90° dispersion angle. Frequency range, 300-13,000 cps. Impedance, 8 ohms. 8½" bell diameter, 9" long. Complete with mounting bracket. Shpg. wt., 4 lbs. *Only $2 Down.*
70 DX 270. List, $34.50. NET....**20.29**
MODEL IBA-45. As above, but has 45-ohm voice-coil. Recommended for talk-back use. Shpg. wt., 4 lbs. *Only $2 Down.*
70 DX 363. List, $36.00. NET......**21.17**

MODEL MIL-A8 LOW-POWER SPEAKER. Similar to Model IB-A8 above. For use with low power systems. Reflex-type 5-watt driver. Range 400 to 13,000 cps. Dispersion, 120°. Impedance, 8 ohms. Size, 7x6⅜" diameter. Shpg. wt., 3¼ lbs.
70 D 271. List, $28.35. NET.......**16.67**
MODEL MIL-A45. As above, but 45-ohms.
70 D 362. List, $29.66. NET.......**17.44**

MODEL CIB-A8 WIDE-ANGLE SPEAKER. Perfect for paging, announcing, etc. Has reinforced fiberglass bell. Capacity, 15 watts. Response, 300 to 13,000 cps. Horizontal dispersion, 120°; vertical, 60°. Impedance, 8 ohms. 7⅜x14x12". With mtg. bracket. Shpg. wt., 5½ lbs. *Only $2 Down.*
70 DX 356. List, $42.00. NET....**24.70**
MODEL CIB-A45. As above, but has 45-ohm impedance. *Only $2 Down.*
70 DX 357. List, $43.50. NET.......**25.58**

MODEL IBR-A8 RADIAL HORN. Compact speaker and driver for installations requiring a minimum of speakers. Delivers 360° dispersion where speakers can be ceiling suspended. 15 watts. 300-10,000 cps. 8 ohms. 10¼x13" dia. With ceiling ring. 5¼ lbs. *Only $2 Down.*
70 DX 360. List, $48.83. NET.....**28.71**
MODEL IBR-A45. As above, but 45-ohms.
70 DX 361. List, $50.40. NET......**29.64**

MODEL CMIL-A8. Same as Model CIB above, but has 5-watt capacity. Frequency response, 400 to 13,000 cps. Size, 6⁷⁄₃₂x9½x8⁷⁄₁₆". Shpg. wt., 4 lbs.
70 D 358. List, $32.73. NET.......**19.25**
MODEL CMIL-A45. As above, but 45-ohm impedance. *Only $2 Down.*
70 D 359. List, $34.10. NET.......**20.05**

USEFUL ACCESSORIES

CTR TRANSFORMER HOUSING. For transformers 2⅜x2⅞x2⅞" max., and mounting centers. 1½ to 2¾". Weatherproof aluminum. Shpg. wt., 2 lbs.
93 D 379. List, $8.80. NET.........**5.17**
PB-1 TRANSFORMER HOUSING. For transformers with 2" mtg. ctrs., not over 1¹⁵ 1⅝x1⅝". Size, 3⅛" high, 2⅝" dia. 1 l
93 D 385. List, $4.13. NET.........**2.43**

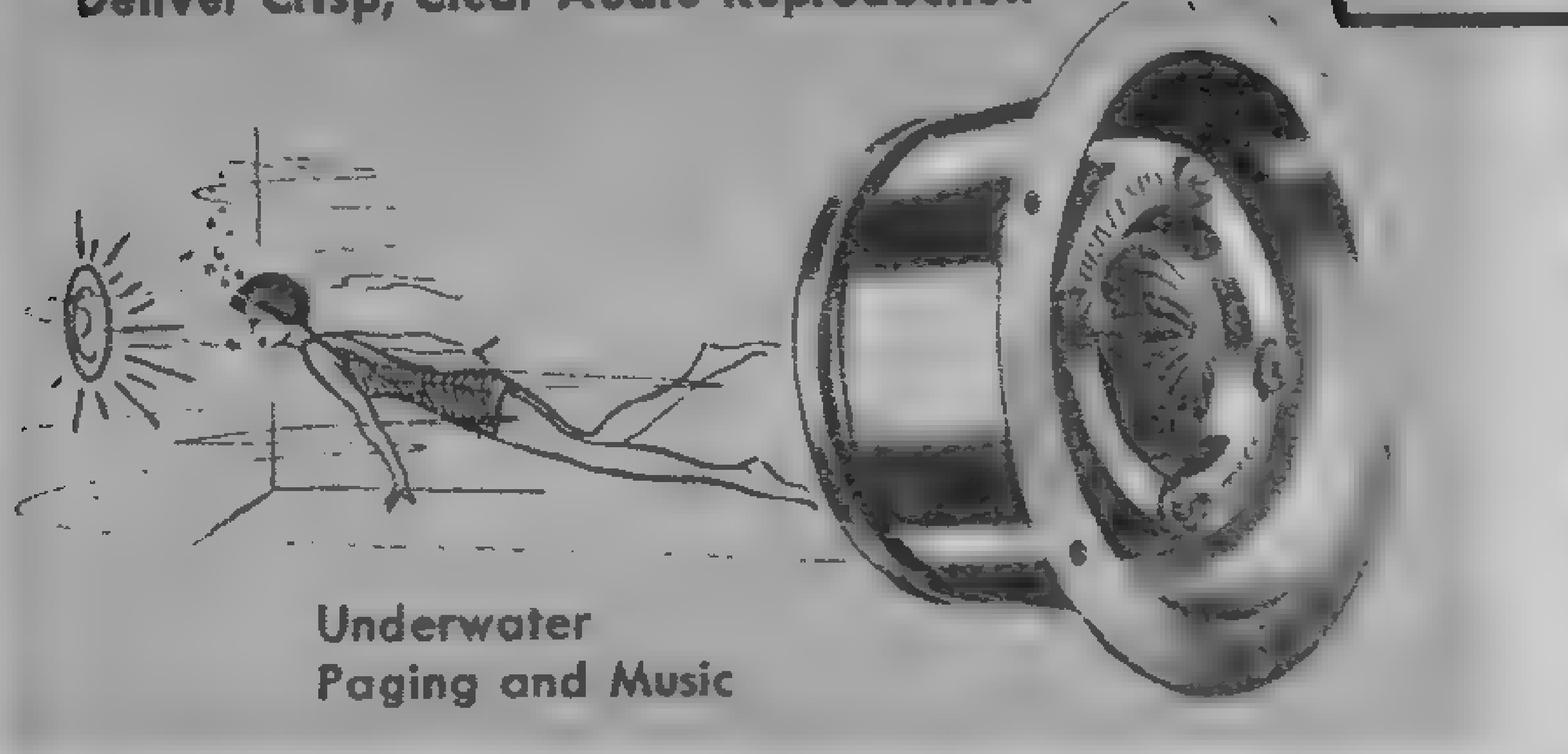
PMA PIPE ADAPTER. For mounting trumpe on ½" pipes. ¾ lb.
95 D 160. List, $2.20. NET..........**1.29**

2YC "Y" CONNECTOR. Connects 2 drivers t one trumpet. 1 lb.
95 D 159. List, $13.20. NET.......**7.76**

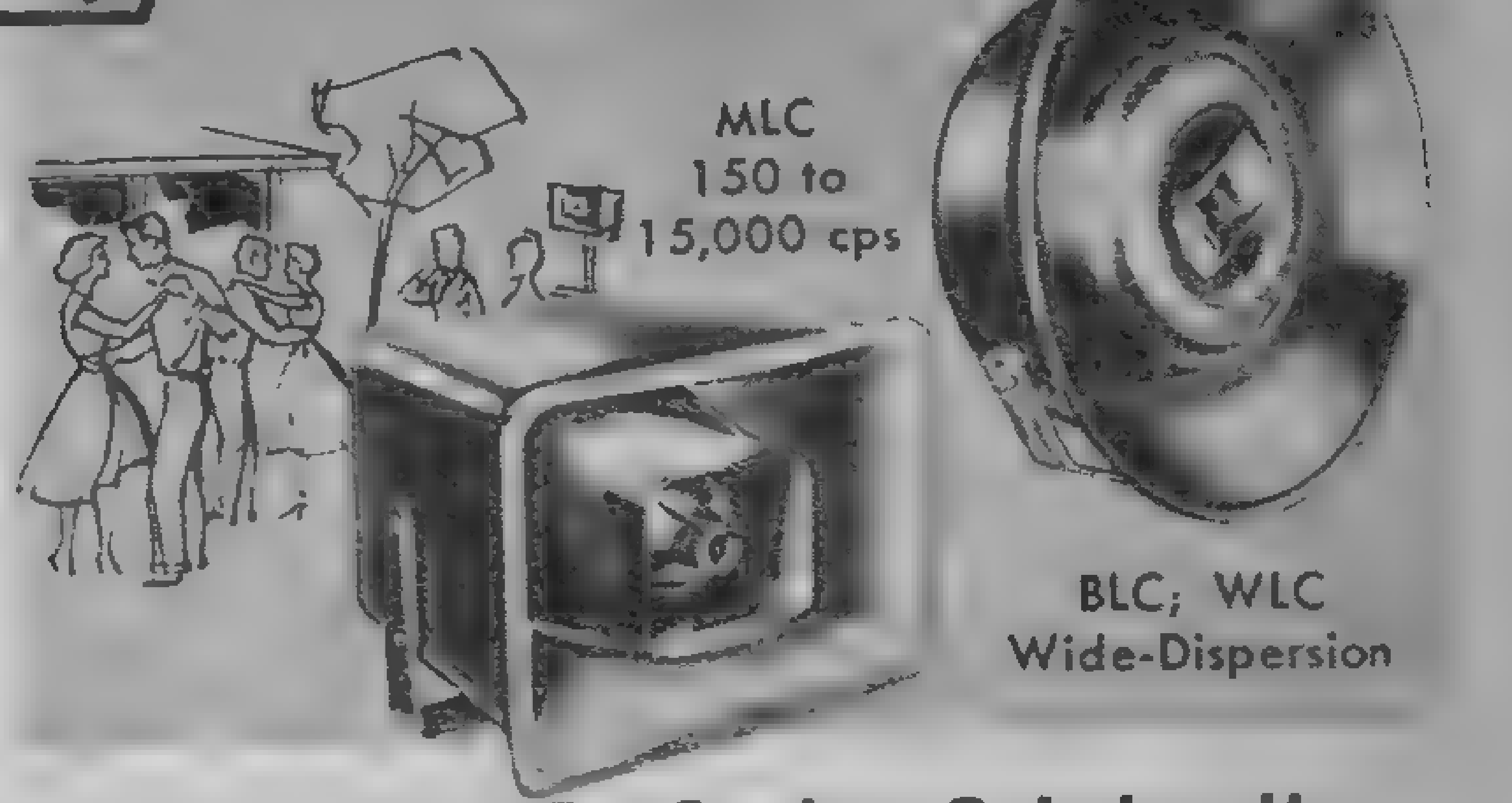
Write Allied for Free Consultation on Selection of P.A. Equipment

SWIMMING POOL SPEAKERS

Deliver Crisp, Clear Audio Reproduction



WEATHERPROOF HI-FI SPEAKERS



High-Quality Underwater Speakers

NET **$43.66**

- Perfect for Water Ballet Use
- Added Luxury for Your Guests
- 100 to 10,000 cps Response
- Guaranteed for One Full Year

MODEL MM2-FUW. Excellent speaker specifically designed for underwater use. Perfect for background music and instructions in water ballet. Also useful for experiments in underwater sound transmission and for underwater paging. Distinctly reproduces voice, music, special sound effects. Special mylar diaphragm easily accessible for cleaning. Response, 100-10,000 cps. Capacity, 25 watts. 150° dispersion. Guaranteed for one year. With 18 ft. 3-wire cable. Flange for flush mtg. O.D., 7¼"; Depth, 3¾". 6½ lbs.
70 D 426. List, $74.25. *Only $2 Down.* NET............43.66

MODEL MM2-UW. As above, but with bracket for pipe mounting. O.D., 6"; Depth, 5".
70 D 427. List, $74.25. *Only $2 Down.* NET..............43.66

ELECTRONIC SIREN SPEAKER

MODEL MM2L-50. Similar to MM2-FUW above, but has 50-watt rating. Designed for use with electronic sirens on police and fire equipment. Omni-Lock mounting. O.D., 6¹³⁄₁₆". Depth, 6⅞". 7¾ lbs.
70 D 405. List, $74.88. *Only $2 Down.* NET..............44.03

Hi-Fi Speakers For Outdoor Or Indoor Use

AS LOW AS **$33.81**

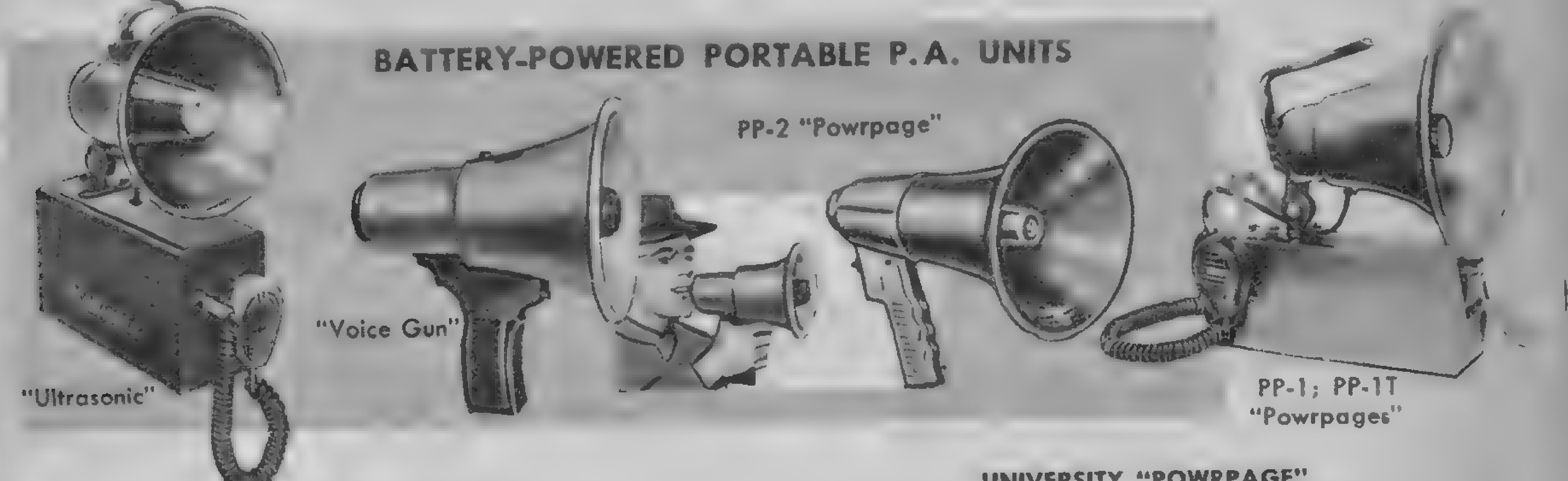
- Completely Weatherproofed
- Full-Range, Coaxial Design
- Infinite Rear-Baffle Chamber
- Excellent Music Reproduction

MODEL BLC. Full-range, weatherproof coaxial speaker for delivering high-fidelity sound. For bandshells, lawns, pools, etc.—great for indoor use too. Ideal for use in place of P.A. type trumpet/driver units except where maximum penetration is desired. Features lightweight design, shallow depth, easy handling. Woofer cone is built into infinite rear baffle chamber—provides clean efficient bass response. 70-15,000 cps; 2000-cycle crossover. Dispersion, 120°. 25 watts. Imp., 8 ohms. 22¾x9¼". Shpg. wt., 21 lbs.
95 DU 186. List, $89.50. *Only $5 Down.* NET...........52.63

MODEL WLC. Larger version of above. Brings hi-fi performance to concert halls, stadiums, etc. Provides exceptional uniformity of response and dispersion at higher output levels. 50-15,000 cps. Dispersion, 90°. 30 watts. 8 ohms. 33½x20". 72 lbs.
95 DZ 181. List, $250.00. *Only $5 Down.* NET..........147.00

MODEL MLC. Similar to BLC above, but for lower power applications. 150-15,000 cps. Dispersion, 120°. Capacity, 15 watts. Impedance, 8 ohms. 12¾x9⅛x10⅝". Wt., 10 lbs.
93 DX 378. List, $57.50. *Only $2 Down.* NET ..33.81

BATTERY-POWERED PORTABLE P.A. UNITS



RADIONIC "ULTRASONIC"

MODEL 2400. Heavy-duty, self-contained portable P.A. system. Easily transmits ¼ mile. Instant operation. Av. battery life, 6-12 months. With case, speaker, mike, 8-ft. coiled cord and plug. 4 6-volt batteries. Has carrying handle and adjustable shoulder strap. Weather and rust-proof steel case; gray hammerloid finish. Case, 10½x6x4¼". Shpg. wt., 15 lbs.
93 SX 886. List, $99.50. NET..........................66.33
53 J 011. Replacement Batteries. 1½ lb. ea. EACH.... .. 1.28

HOLMIN "VOICE GUN"

Easily-held, compact "Voice Gun" employs powerful 3-transistor amplifier and 8 standard penlight batteries for amazingly loud, clear voice "throw." No warm-up—thermistor allows instant indoor or outdoor use from −20° F to 120° F. Weighs only 3¼ lbs. with batteries (included). Shpg. wt., 5¼ lbs.
93 SX 004. List, $119.95. NET.. .... .89.96

EXPLOSION-PROOF SPEAKERS

UL TYPE 7101. For use where flammable liquids, gasses, etc. are present. 200-10,000 cps response; 30-watts. 95° disp. 16-ohm v.c. Built-in transformers have 45, 165, 200, 250, 500, 1000, 2000 ohm taps. 70.7 v. taps for 30, 25, 20, 10, 5, 2.5 watts. Dia., 15¾"; depth, 19". U.L. Approved for Groups C and D, Class I. 23¾ lbs.
70 DX 407. *$5 Down.* NET.....................80.85
70 DX 408. Type 7102. As above, but for use in combustible dusts; Groups E,F,and G of Class II. *$5 Down.* NET 97.02

UNIVERSITY "POWRPAGE"

MODEL PP-2. Lightweight, battery-powered P.A. system—has range of up to ¼ mile. Weighs only 3⅝ lbs. with batteries (not included, see below). Batteries fit into handle—employs 6 penlight type. Push-to-talk switch. Has jack to permit use with external 6-volt or 12-volt DC source, such as truck or car battery. Horn is 8" in diameter. Shpg. wt., 5¼ lbs.
93 SX 780. NET............ .. ..48.51
53 J 031. Penlight Battery. For above. 6 required. 2 oz. EA....10c

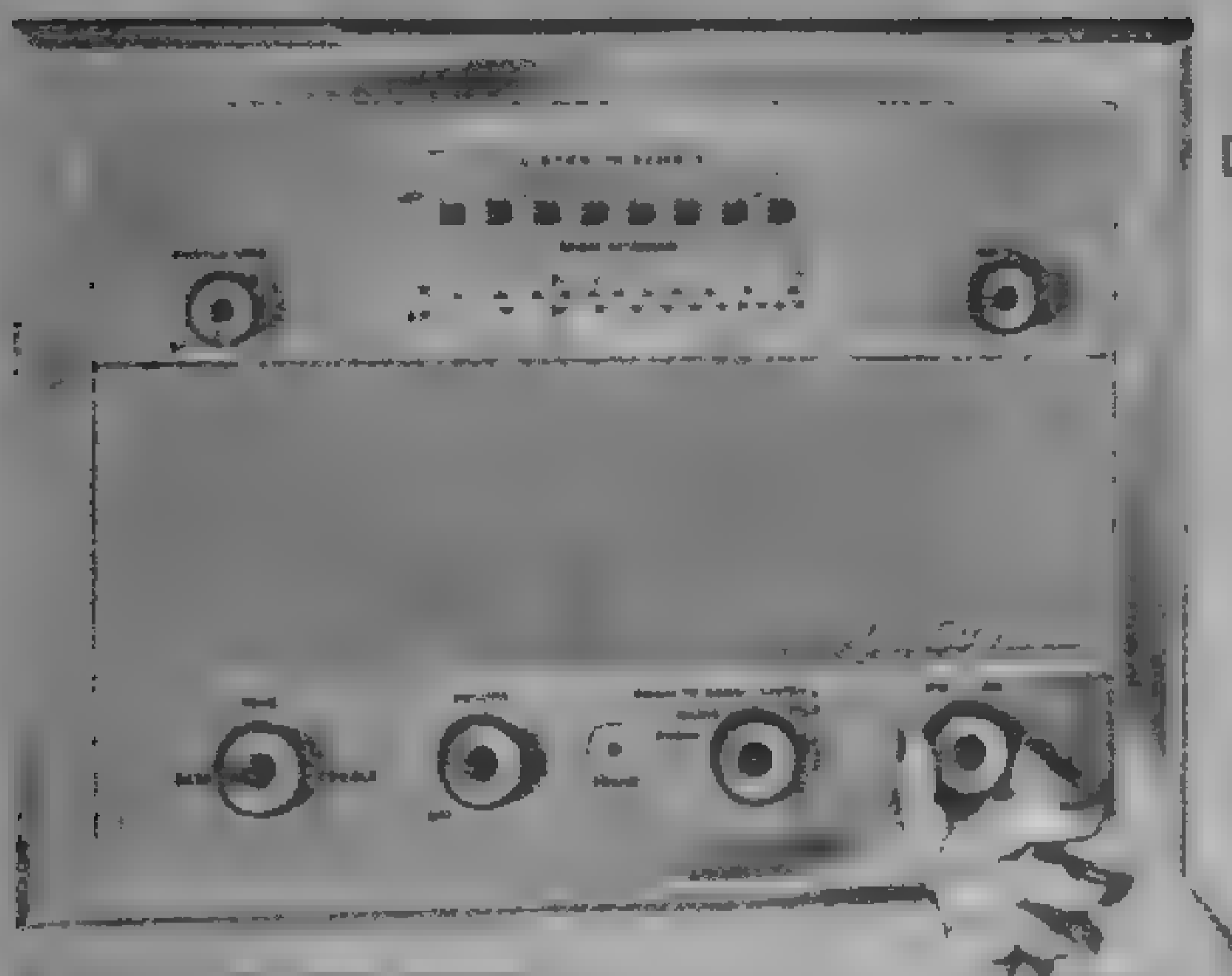
NEW UNIVERSITY TRANSISTORIZED "POWRPAGE"

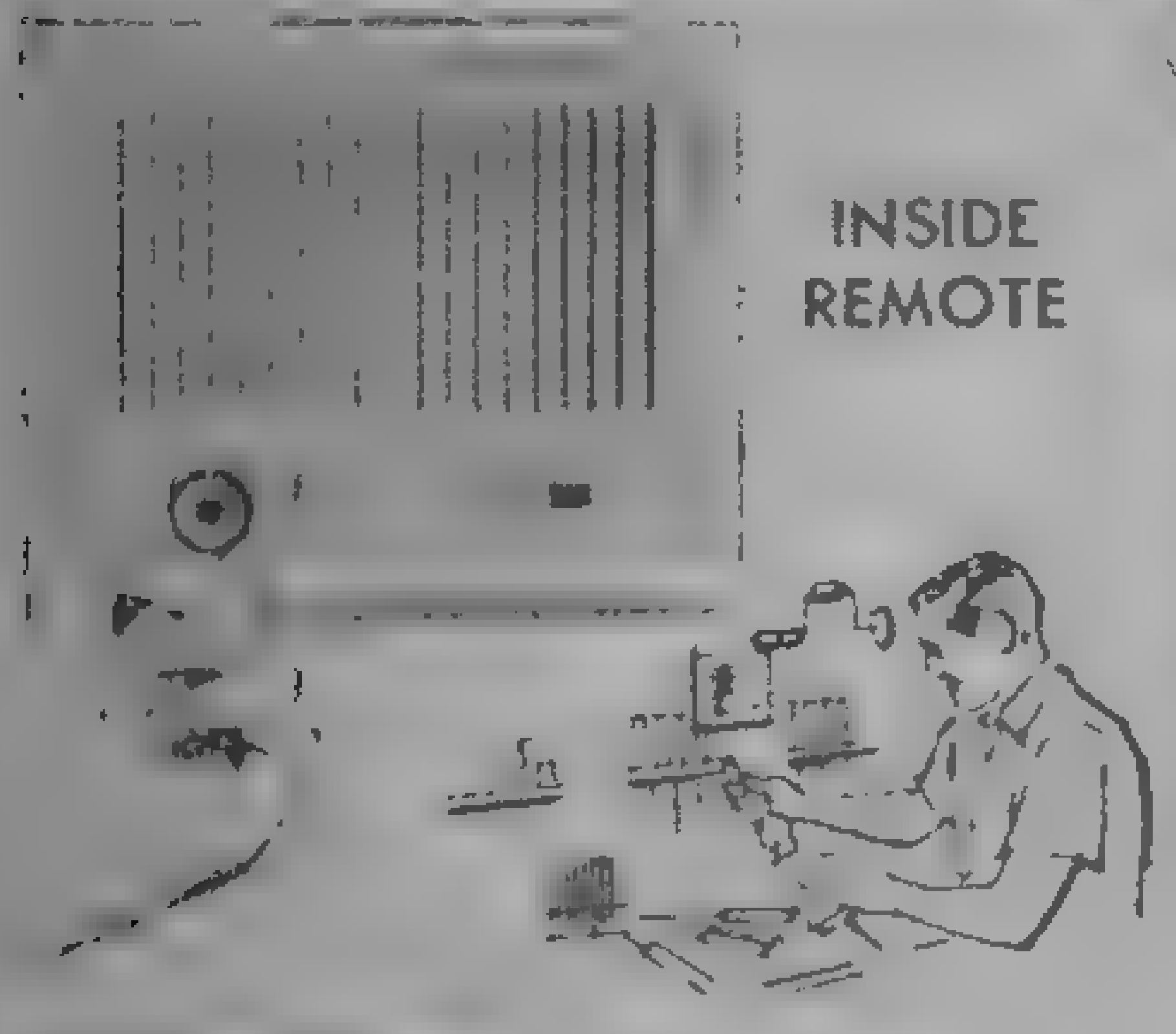
MODEL PP-1T. Fully transistorized portable P.A. system delivering 25 full watts of sound power. This compact unit is designed for high stability under all conditions—perfect for police work, sporting events, disaster areas—has CD approval for matching funds. Dynamic mike has controlled response for excellent speech intelligibility. Press-to-talk "Powrsaver" switch gives instant operation; saves batteries. Input jack for record player, tuner, etc. Talk/over feature reduces music program level 6 db when mike is used so voice can easily be heard over music. Unit also operates as sensitive listening device—a tremendous aid in locating buoys, injured persons, fog-horns, etc. Weighs only 13 lbs. with batteries (not included; uses 4 Type F4H lantern batteries). Supplied with leather carrying strap. Shpg. wt., 13 lbs.
70 DX 394. List, $283.25. *Only $5 Down.* NET..........166.55

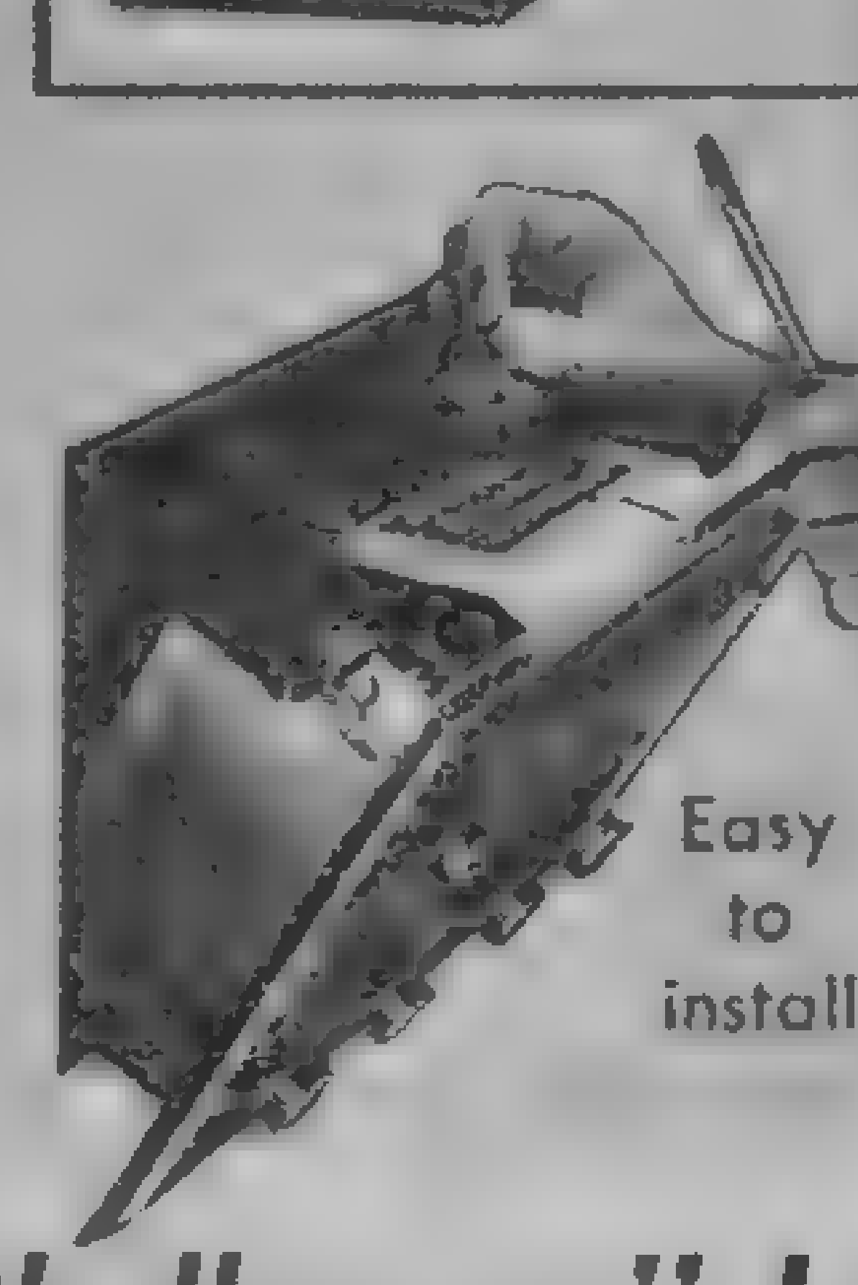
MODEL PP-1. Non-transistorized version of above. "Powrsaver" switch. Requires four F4H batteries. Shpg. wt., 8 lbs.
70 DX 410. List, $104.50. *Only $5 Down.* NET............61.45

53 J 028. Batteries. For PP-1T (4 required), and PP-1 (6 required). Shpg. wt., ea., 1½ lbs. NET EACH.........................87c

NuTone Intercom and FM-AM Radio Systems







5-Station Intercom and FM-AM "Broadcaster"

NET $124^67
- Distributes Music to 3 Inside Remotes and 1 Outside—Remotes Can Originate Calls

$5 down
- Full-Fidelity—No Hum or Distortion

MODEL 2015. Now you can economically equip your home or office with this complete music distribution and 5-station intercom system—and installation is so simple you can do it yourself! This versatile unit permits "broadcasting" FM or AM radio programs to any room, and also outside, plus two-way conversations between all Remote stations. Perfect for listening in on the nursery, sick-room, etc.—also lets you talk to strangers without opening door.

Simplified Master control is designed for easy operation by the "average homemaker"—no complicated controls. All Remote stations can originate calls. Inside stations have individual volume controls plus a privacy switch to avoid "eavesdropping." Master has 8 station-selector switches for easily adding 4 extra remotes. Built-in FM-AM receiver pipes full-fidelity music to speakers—does not affect intercom operation—special circuit permits voice to be readily heard above music. Has tone control; phono jack.

Screw-type terminals permit easy hook-up. Terminal board is conveniently located on top of Master. Wire markers are provided for identification of each room. Front panels easily cover roughly cut holes. Supplied complete with Master, 3 inside Remotes, 1 outside Remote, antenna, 200-ft. of cable, instructions. Master is of stainless brushed chrome; Remotes are Desert Sand; outside Remote is anodized gold. Sizes: Master Box—9⅜" H, 13¾" W; inside Remote box—5½" H, 7" W; outside Remote box—5⅛" H, 4½" W. Fit 4" thick wall. For 110-120 v., 50-60 cycle AC. Wt., 26 lbs.

90 RX 603-2. *Only $5 Down.* NET **124.67**

90 RX 604-2. Model 2016. Same as above, but Master panel is of copper anodized aluminum. *Only $5 Down.* NET **124.67**

90 R 605. Model 2024. Extra Inside Remote. For 2015 or 2016 system. Shpg. wt., 2¼ lbs. NET **9.07**

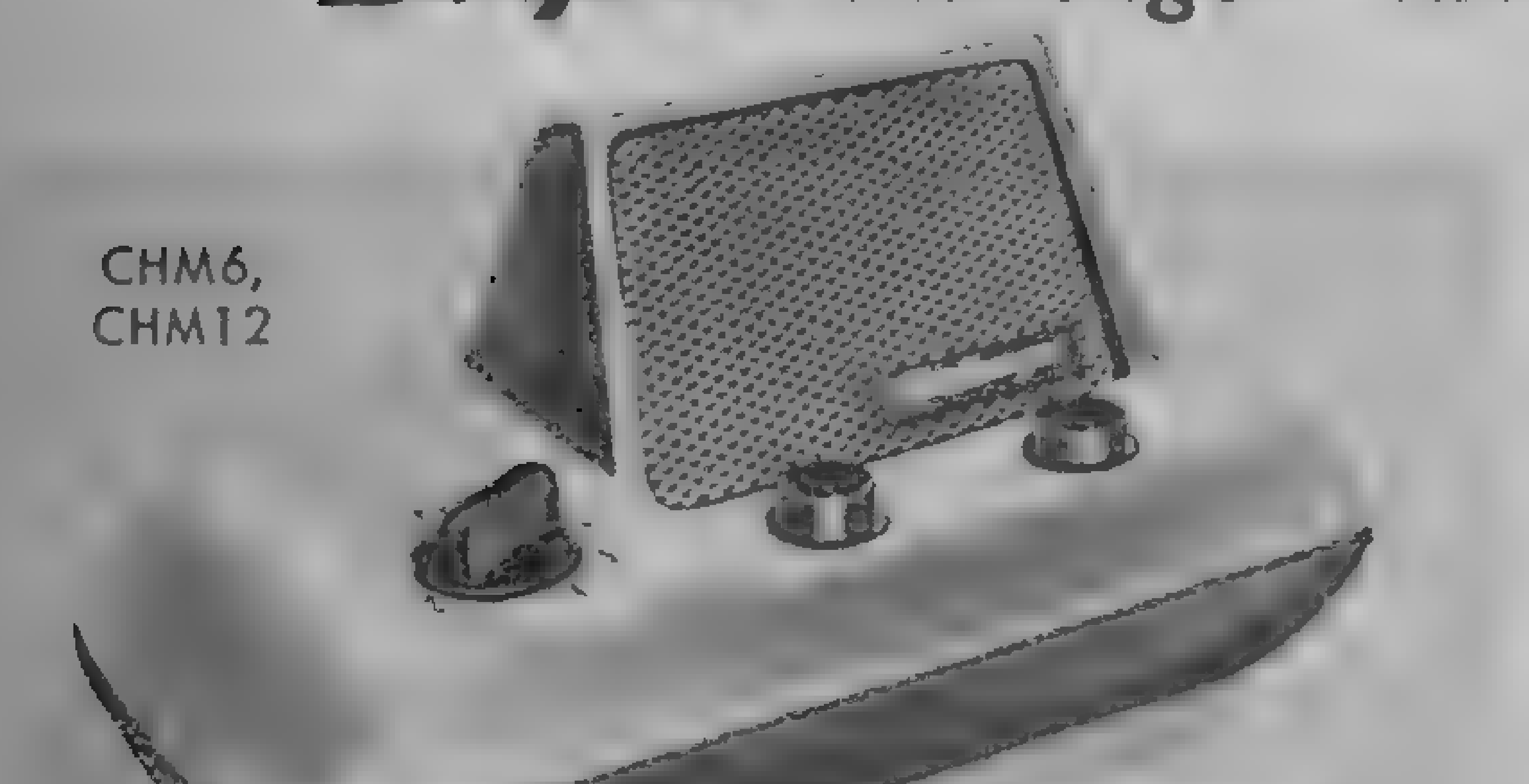
90 R 606. Model 2005. Extra Outside Remote. For 2015 or 2016 system. Shpg. wt., 1½ lbs. NET **9.07**

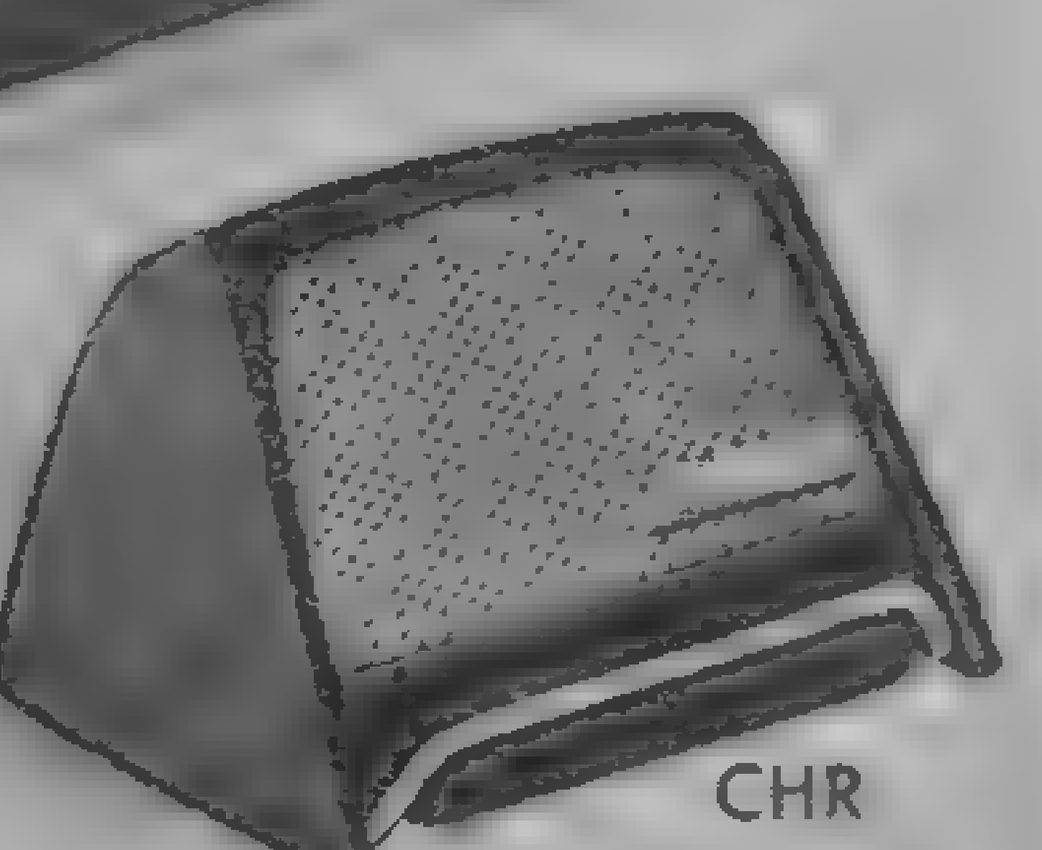
90 R 609. Extra 3-Cond. Cable—100-Ft. Roll. 2 lbs. NET **4.67**

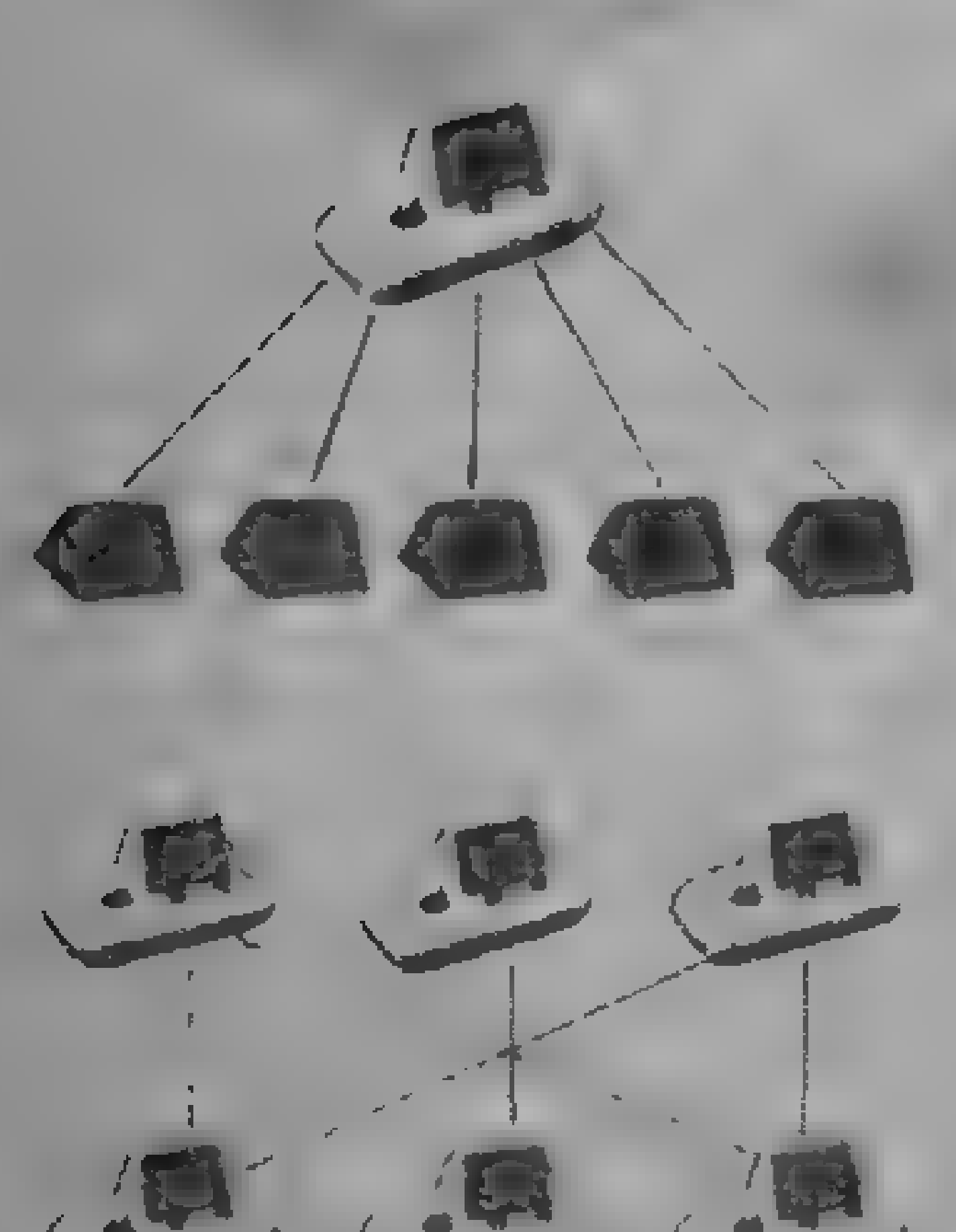
90 R 610. Extra 3-Cond. Cable—1000-Ft. Roll. 8 lbs. NET **22.50**

90 RX 611-C. Model L-70 Door Chime. Operates with intercoms above. Relays door chime signal to any room of the house. Easily heard above music or intercom. Walnut or limed oak cover—*specify.* 11¾x7¾x3⅜". 6 lbs. *$2 Down.* NET **25.17**

Bogen "Challenger" Intercommunications System







Feature extreme flexibility; low-cost; compact design; printed circuitry; modern, contour styling.

CHALLENGER "FUTURA" INTERCOM

ALL-MASTER SYSTEM. A top-value intercom system using up to 6 CHM6 or up to 12 CHM12 Masters. Any Master can call any other, and, in a CHM6 system, all simultaneously. Masters have volume control, press-to-talk button and selector switch that includes "mute" position. 2 tubes, 1 selenium rectifier; printed circuitry. Size, 5¼x10½x4¾". Less cable (see below)—use cable with one more conductor than the number of stations; measure from station 1 to 2, 2 to 3, etc. For operation from 110-120 v., 50-60 cycle AC or DC.

MASTER-REMOTE SYSTEM. Consists of one CHM6 Master and up to 5 CHR Remotes, or one CHM12 Master and up to 11 Remotes, or any combination of Masters and Remotes when CHX-12 Intermix Master is used. (Masters are described above.) Master can call any Remote, and in a CHM6 system, all simultaneously. Remotes have press-to-talk bar, but can also be used for non-private operation (controlled by jumper). "Mute" position on Master silences background noise from Remotes, Remotes can still originate calls to Master. Size of Remotes, 3½x5⅝x3⅝". Less cable (see below)—use 3-cond. cable between Master and each Remote.

MODEL CHM6 MASTER. Shpg. wt., 5 lbs.
92 R 694. List, $45.95. NET **27.57**

MODEL CHR REMOTE. Can be used to originate a call to one Master only; can be called by any Master. Shpg. wt., 1½ lbs.
92 R 696. List, $12.95. NET **7.77**

MODEL CHM12 MASTER. Shpg. wt., 5 lbs.
92 R 695. List, $49.95. NET **29.9**

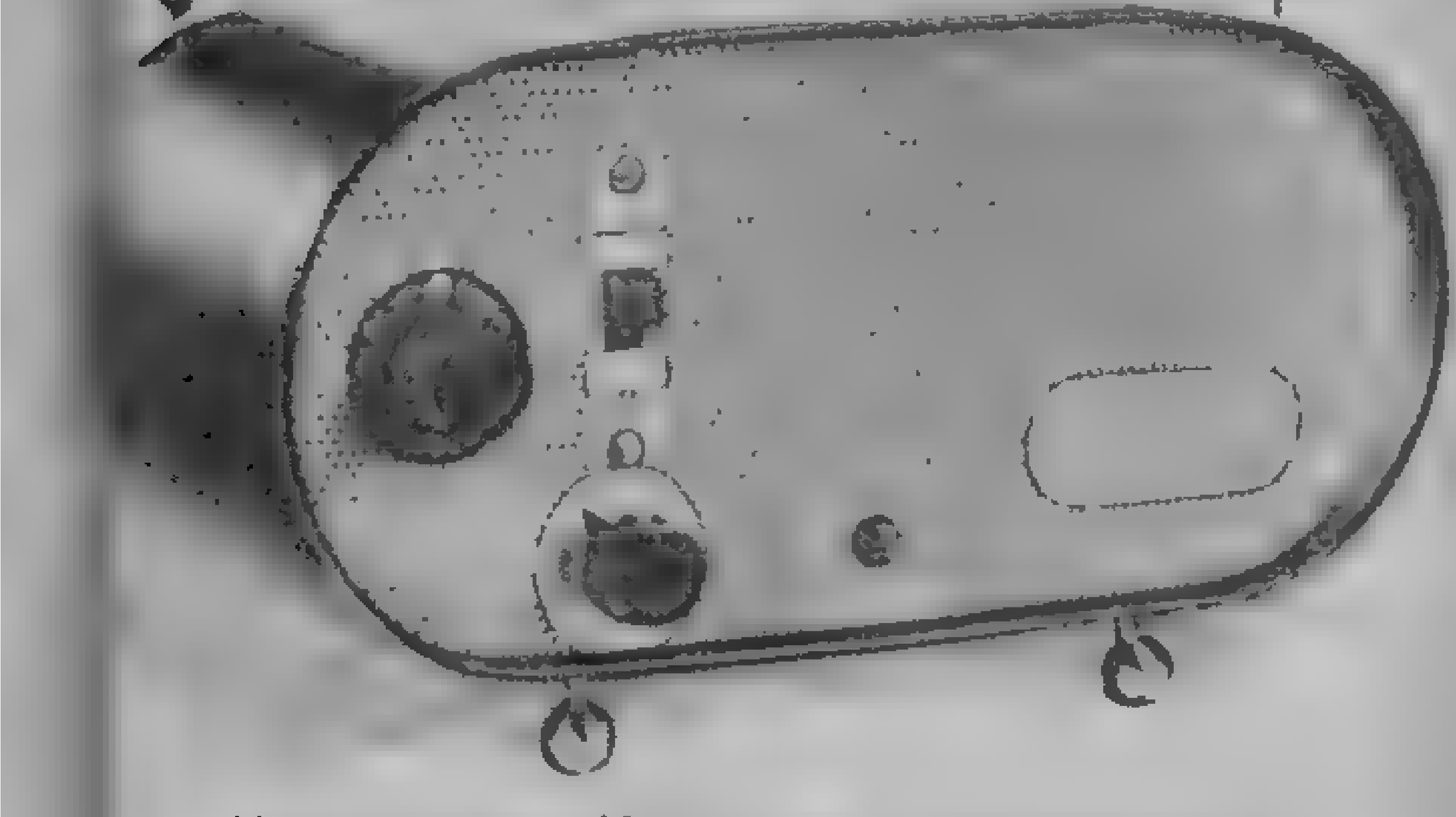
MODEL CHX-12 INTERMIX MASTER. Permits mixing of up to 12 stations using any combination of Masters. Shpg. wt., 5 lbs.
90 R 607. List, $63.00. NET **37.8**

MODEL CHX-R 6-STATION REMOTE. Can originate calls to any one 6 Masters. Shpg. wt., 2 lbs.
90 R 608. List, $17.50. NET **10.5**
47 W 686. 1203S 3-Cond. Cable—100-Ft. Roll. 2 lbs. NET **4.9**
47 W 687. 1207S 7-Cond. Cable—100-Ft. Roll. 4½ lbs. NET . **10.2**
47 W 688. 1220S 20-Cond. Cable—100-Ft. Roll. 8 lbs. NET ... **29.9**

FANON . . . Step-Saving Intercom Systems

U. L. Approved "MANAGER" SERIES

Versatile, low-cost intercoms . . . styled to blend with the finest of decors.



"Manager" Series Intercoms

ALL-MASTER SYSTEM

Consists of up to six FX-6 (or twelve FX-12) Masters—up to 3 (or 6) private conversations can be carried on simultaneously. Individual slide switches on FX-6 permit conference calls including all stations. FX-12 has 12 position rotary switch. A Master can be called even if its power is off. Stations may be placed up to 2,000 feet apart without any loss in efficiency. Use 7-conductor cable from first FX-6 to second, second to third, etc.; use 18 conductor cable between FX-12's.

MASTER-REMOTE SYSTEM

Consists of an FX-6 Master and up to 5 Remotes, or an FX-12 and up to 11 Remotes. Use 3-conductor cable from Master to each Remote.

FX-6 MASTER. Finished in attractive gray and white. Less cable, see below. Size, 4x8x4". For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 3¾ lbs.
93 R 425. List, $34.95. NET 20.95

MODEL FX-12 MASTER. Similar in appearance to above. Shpg. wt., 3¾ lbs.
93 R 426. List, $37.50. NET 22.50

MODEL FC REMOTE. 4x8x4". 2¼ lbs.
93 R 427. List, $13.25. NET.........7.97

INTERCOM CABLE. High-quality cable suitable for either indoor or outdoor use.

Stock No.	No. of Conductors	Lbs., 100-Ft.	Per 100-Ft.
47 W 362	3	2	2.43
47 W 322	7	4½	6.03
48 W 894	18	6½	7.94

Designed for Modern Living . . . Styling — Performance — Quality

Just plug into wall outlet for quick, easy communication—no wiring!

FW-50 READY-TO-OPERATE 2-STATION SYSTEM

ONLY
$53⁷⁰
$5 down

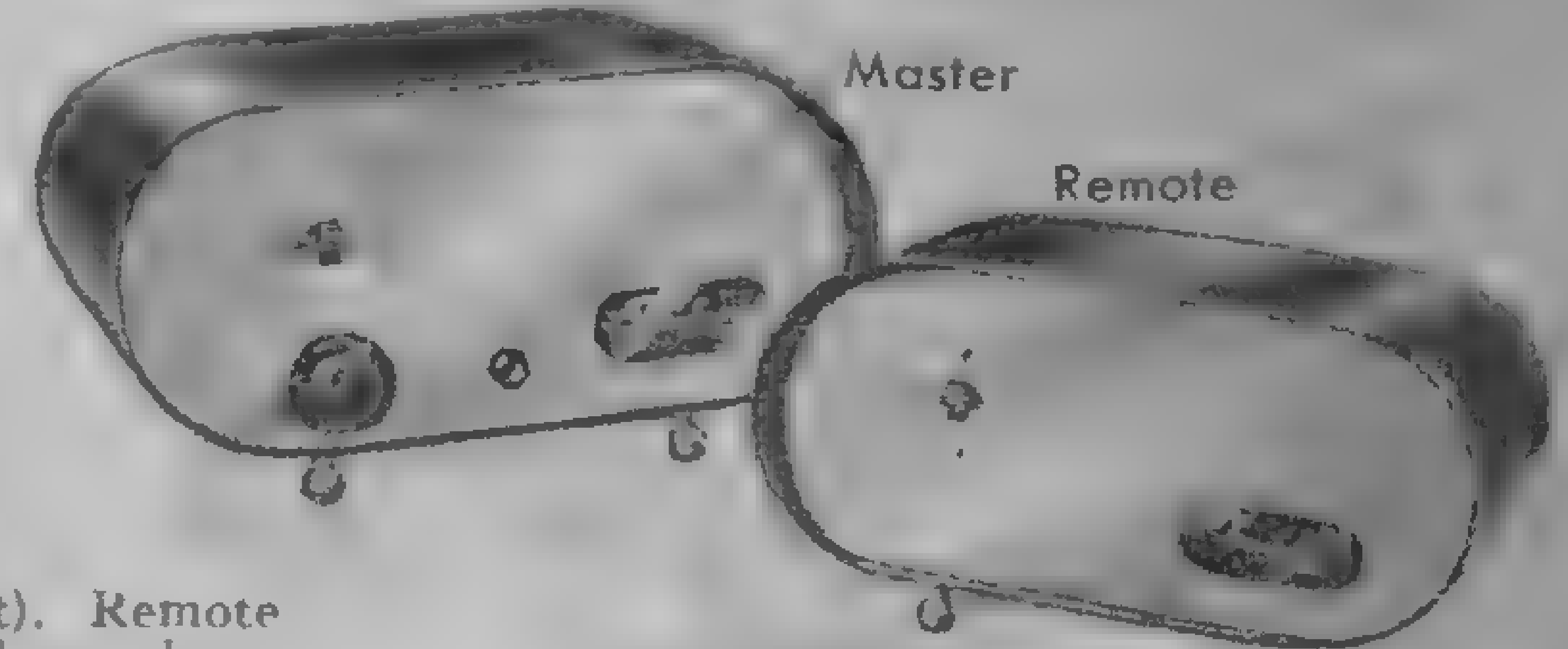
- Requires No Installation or Wiring of Any Kind
- Plug into Any AC or DC Outlet and System Is Ready for Immediate Use
- Will Operate Between Adjacent Buildings

A complete, wireless 2-station deluxe intercom system that requires positively no installation of any kind—no wires to hook-up. Just plug each station into any AC or DC wall outlet and the system is ready for immediate operation. Perfect for home, offices, stores, etc. One unit can even be placed in a baby's room and the other carried with you to a neighbor's home operates between adjacent buildings that are on the same electric-company line transformer. Features a power-line noise silencing control. 3 tubes, plus rectifier and germanium diode detector. Has Talk-Listen-Dictate switch. Handsome brushed brass cabinet. Each unit, 4½x8x4½". For 110-120 v., 50-60 cycle AC. Shpg. wt., 9 lbs. *$5 Down.*
92 RX 640. List, $89.50. NET..53.70

92 R 641. FW-51. Extra station. 5 lbs. List, $44.75. NET 26.85

MODEL TWIN FX-2 TWO-STATION INTERCOM

- Remote Requires No Power
- Underwriters' Approved



Highly Attractive Styling and Unusually Low-Cost

A budget-priced system offering smart styling and clear, dependable communication. Includes Master, Remote and 50-ft. of 3-cond. cable (more can be added, see "Manager". listing at left). Remote needs no power—can be placed anywhere. Remote can also answer calls from a distance without using Talk-Listen switch-excellent for listening-in on child's room. Handsome, two tone gray and white cabinets. For 110-120 v., 50-60 cycle AC. Shpg. wt., 6 lbs.
95 RX 914. List, $29.95. NET......18.75

FS EXTRA REMOTE. Use 3-conductor cable, at left, to Master. 2 lbs
94 R 923. List, $12.50. NET 7.50

NEW! VOCATRON 2-Station System

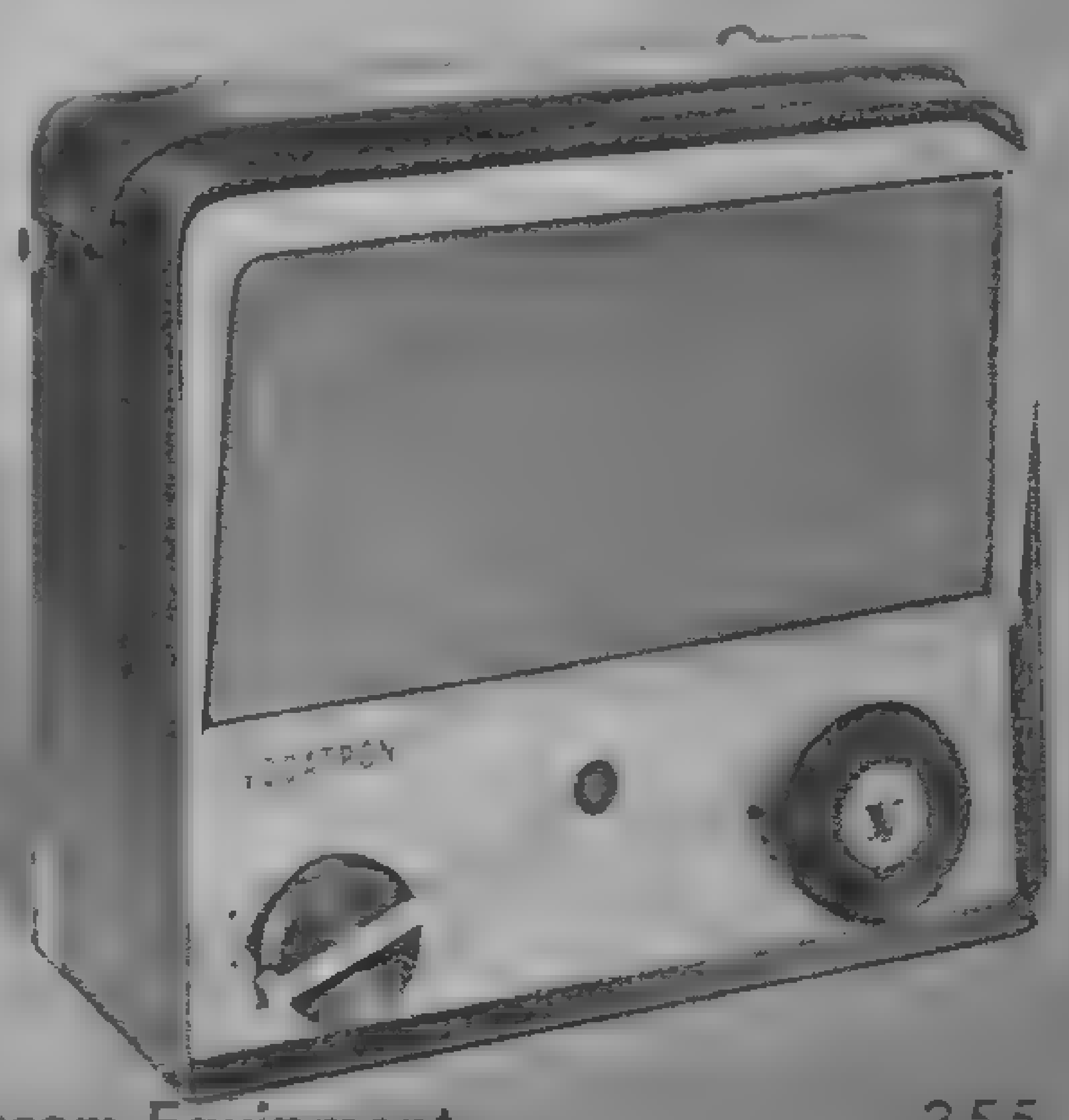
ONLY
$79⁹⁵
$5 down

- No Installation—Simply Plug Into Electrical Outlet
- Portable—Built-in Carrying Strap
- High-Quality Sound Reproduction

Simply plug this newly-designed, dramatically styled wireless intercom into the nearest electrical outlet and instantly you're in touch with all other Vocaline units in the building. There is no wiring or installation of any kind required. Move units around as needed; built-in carrying strap, compact size and lightweight construction assure easy portability. These economical-operating units draw so little power they can be left on continuously. Patented circuit eliminates squawk and chatter; units remain silent until a call comes through. Engineered to provide natural, crystal-clear, voice reproduction. Volume can be controlled at all units. All units are Masters—each can call any other; eliminates switching calls to various points to locate an individual. Talk-Lock position permits extended periods of use without holding down switch—also allows monitoring other rooms—makes an ideal "baby sitter." Smartly styled case fits any decor; fits on any desk or tabletop. Pilot light shows when unit is operating. 6x8x3". For 110-120 v., AC or DC. Shpg. wt., 7 lbs.
90 RX 602. *Only $5 Down.* NET.............................79.95

MODEL CC-30. ADDITIONAL STATION. 3½ lbs. For above.
90 RX 612. *Only $2 Down.* NET.............................39.95

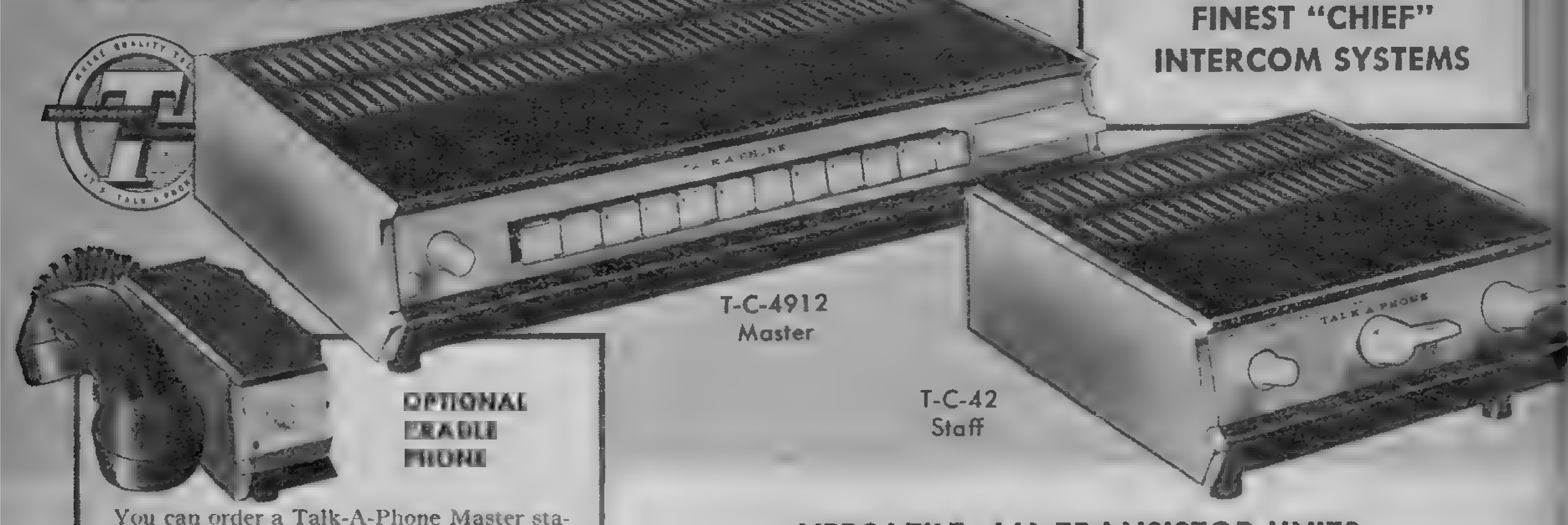
CC-60 Wireless Intercom—beautifully styled—for home, office or plant



Truck or Express Shipment Recommended for Intercom Equipment

TALK-A-PHONE

FINEST "CHIEF" INTERCOM SYSTEMS



You can order a Talk-A-Phone Master station equipped with built-in cradle phone. Just select the Master you want, and in place of its regular stock number, insert the word. "Special." *Example:* Special Talk-A-Phone Model T-C-4906 Master with Cradle Phone. *Add $35 to the net price of the Master.*

VERSATILE, ALL-TRANSISTOR UNITS

- Busy Signal—Priority Break-In
- Light and Chime Call Signals
- Extra-Power Units Available
- Staff Stations Can Originate Calls
- Operation of External Devices
- Charcoal Gray—Satin Chrome Sides

"Chief" All-Transistor Master Stations

Deluxe, all-transistor universal Master stations—feature maximum convenience, top versatility and superb styling. Can be used in either all-Master or Master(s)-Staff(s) systems. Systems can be set up with a capacity of 6, 12, 20, or 30 stations (40, 50 and 60-station Masters with only 14 pushbuttons, are available—write for prices). Masters can talk with Staffs and other Masters; Staffs can talk to Masters, but not to other Staffs. Pushbutton selector on Masters permits conference calls with any number of stations. Masters can be set for private or non-private operation.

Built-in signal indicates whether a selected line is busy—executive priority calls can override a busy line. Masters have two incoming call signals—a light and a chime. Includes pushbutton selector, push-to-talk bar, dictation control, and volume control. Cradle phones for Masters are available—see ordering information above.

Stations may be placed several thousand feet apart. Relays to operate horns, sirens or lights can be put in a system and any Master can operate relays. In high-noise areas, if horn or siren is operated instead of chime in Master station, the Master is still fully operational—relay *does not* take the place of a Master. Each Master has junction box with power supply, 6-ft. cable. Steel cases in leather-texture gray vinyl. 3⅛x14x8¾". For 110-120 v., 50-60 cycle AC.

Stock No.	Type	Capacity	Lbs.	List	NET
92 RX 680	T-C-4906	6 stations	13	$136.00	79.50
92 RX 681	T-C-4912	12 stations	14	154.00	89.80
92 RX 682	T-C-4920	20 stations	14	184.00	107.40
92 RX 683	T-C-4930	30 stations	16	214.00	125.00

"Chief" Staff Stations

Staff stations for use in mixed systems with Masters listed at left Staffs can originate calls to the 1 or 2 Masters to which they are connected, and can answer any Master in the system, whether connected to it or not. Any Staff can speak to a Master it has called or any Master that has called it, but cannot speak to other Staffs Can be set for either private or non-private operation—in private operation the Staff must press Talk-Listen switch in order to be heard by calling Master; in non-private operation, the Staff can answer calls from a distance without using any controls. Any Staff can be private with respect to one or more Masters and non-private to the other Masters in the system.

Staffs have a light to signal that another station is calling. Busy signal indicates whether a selected Master is busy. Staffs require no connection to outlet and consume no power. High-power stations for greater volume in noisy areas are listed at left, below. Units with "M" in type number have a painted gray finish; others have leather-texture gray vinyl finish. Metal case size, 3⅛x7½x8¾".

Stock No.	Mfr's Type	No. of Masters to Which Staff Can Originate Calls	Wt., Lbs.	List	NET EACH
92 RX 688	T-C-41	one	5	$36.50	21.50
92 RX 689	T-C-41M	one	3	29.95	17.50
92 RX 690	T-C-42	two	5	45.00	26.50
92 RX 691	T-C-42M	two	3	38.50	22.50

93 R 049. **TW-1 Wall Mounting Brackets.** Two used for each station. 8 oz. List. $1.25 NET PER PAIR........................75c

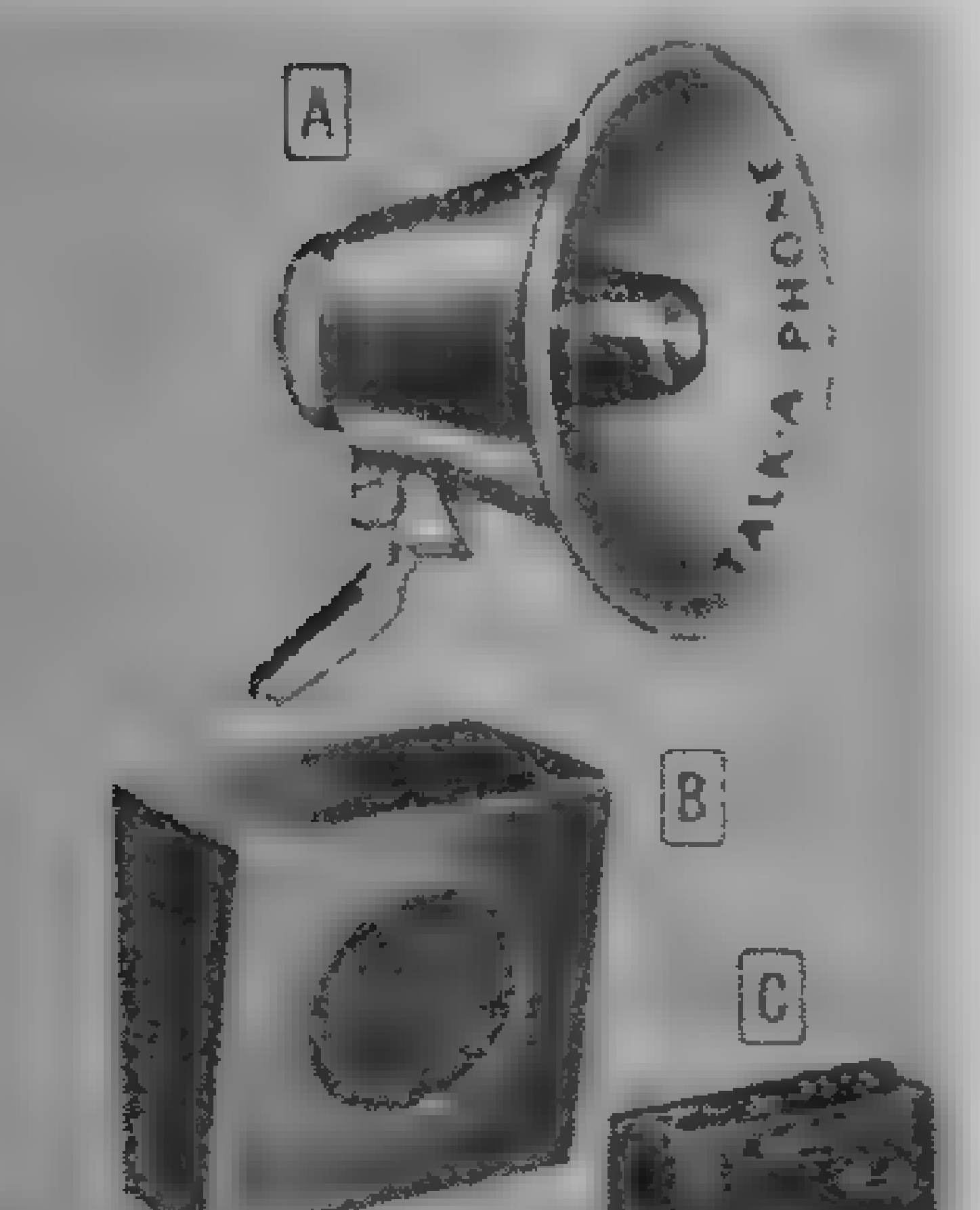
"Chief" Extra-Power Master Stations

Use "Redi-Power" Masters in any "Chief" system where extra power is needed for many stations or for overcoming noise. Ideal for use in warehouses, light assembly plants, docks, outdoor areas. Return speech from called stations is received at normal volume.

Built-in amplifier provides 20 watts of audio power. Network automatically adjusts output to preselected level—when a number of stations are called, the volume at individual stations is not affected. Same size, finish and power rating as Masters above.

Stock No.	Mfr's Type	Capacity	Wt., Lbs.	List	NET EACH
92 RU 685	T-CRP-5912	12 Stations	17	$235.00	138.00
92 RU 686	T-CRP-5920	20 Stations	17	265.00	155.00

High-Power Stations and Origination Switches



HIGH-POWER STATIONS. Can answer Master, and with origination switches listed below, can originate calls. Use with any "Chief" system.

A **T-C-20 TRUMPET TYPE.** 9", weatherproof re-entrant horn. Power-handling capacity, 15 watts. Trumpet is finished in charcoal gray. Shpg. wt., 5 lbs. *$2.00 Down.*
92 RX 679. List, $44.95. NET..................26.50

B **T-HP-3 INDOOR TYPE.** 8" speaker in charcoal-gray metal baffle. Power-handling capacity, 5 watts. Baffle size, 12x12x8". Shpg. wt., 9 lbs.
92 RX 678. List, $28.00. NET.................. 16.50

C **ORIGINATION SWITCHES.** Make T-C-20 or T-HP-3 operationally equivalent to T-C-41 or T-C-42. With incoming call and busy lights. Shpg. wt., 2 lbs.

TYPE T-S-101. Calls 1 Master.
92 R 692. List, $11.95. NET......................6.95

TYPE T-S-102. Calls 2 Masters.
92 R 693. List, $19.95. NET.......... ....11.70

CABLE FOR "CHIEF" SYSTEMS

For connecting Master to Master, in eithe an all-Master or a Master(s)-Staff(s) "Chie system, measure from the first Master t the second Master only, from the secon Master to the third Master only, etc.; the add all of the measurements toget Order this total length of 6214 cable if y system is using 6-station Masters, 6226 system is using 12-station Masters. If you system uses 20-station Masters, use 62 cable, but double the total measured leng (two equal lengths of cable run parallel t each other between Masters). For 30-station Masters, triple the total length.

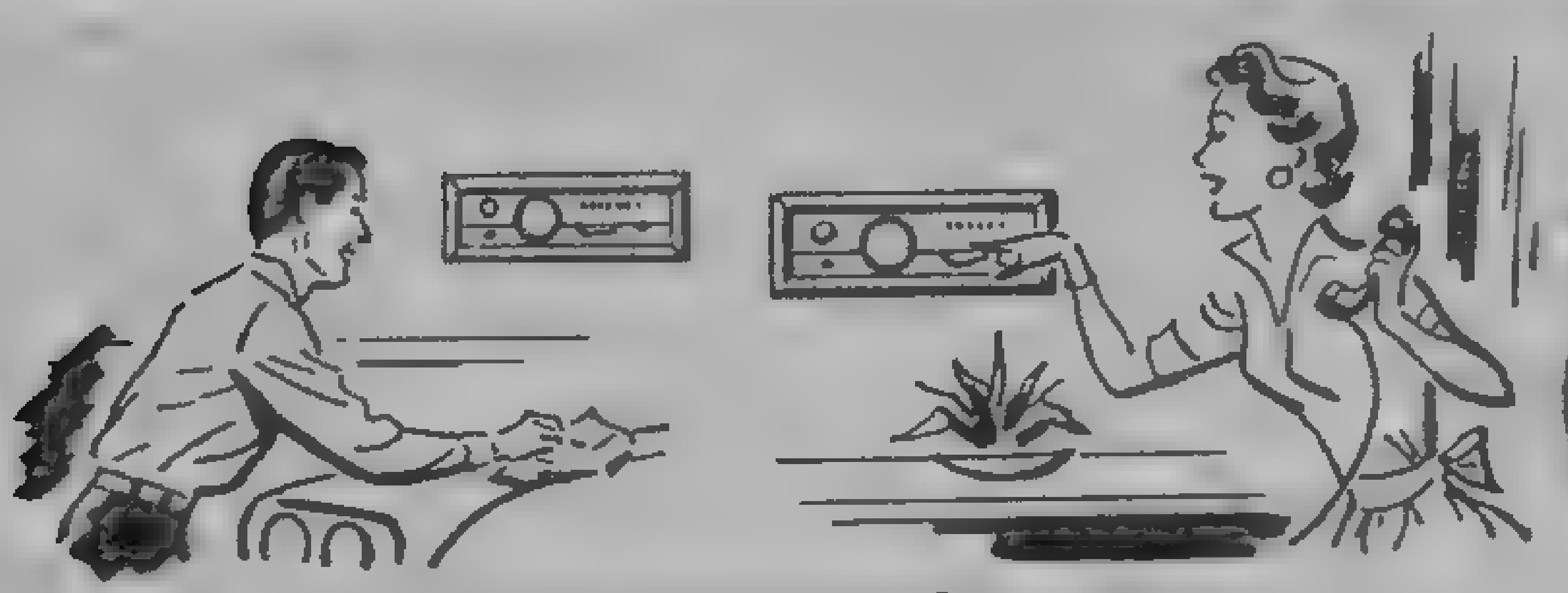
Use a single length of Type 6206 cable fo connecting T-C-41, T-C-41M, T-C-42, T-C-42M Staffs to the Master(s) to which the are to originate calls (Staffs are not connected to each other, or to any other Maste Just as in connection of Staffs, connect high-power stations to each Master to whic they are to originate calls with Type 62 cable—if the origination feature is bein used. If high-power units are not being use to originate calls, connect each one to nearest Master with single length of 6902 cab

TALK-A-PHONE INTERCOM CABLE. For ind or outdoor use. Last two digits in Type n give number of conductors.

No.	Type	Lbs./100'	PER FT
49 W 616	6214	5	14¢
49 W 615	6226	9	28¢
49 W 622	6206	2½	8½¢
49 W 613	6902	2	2¢

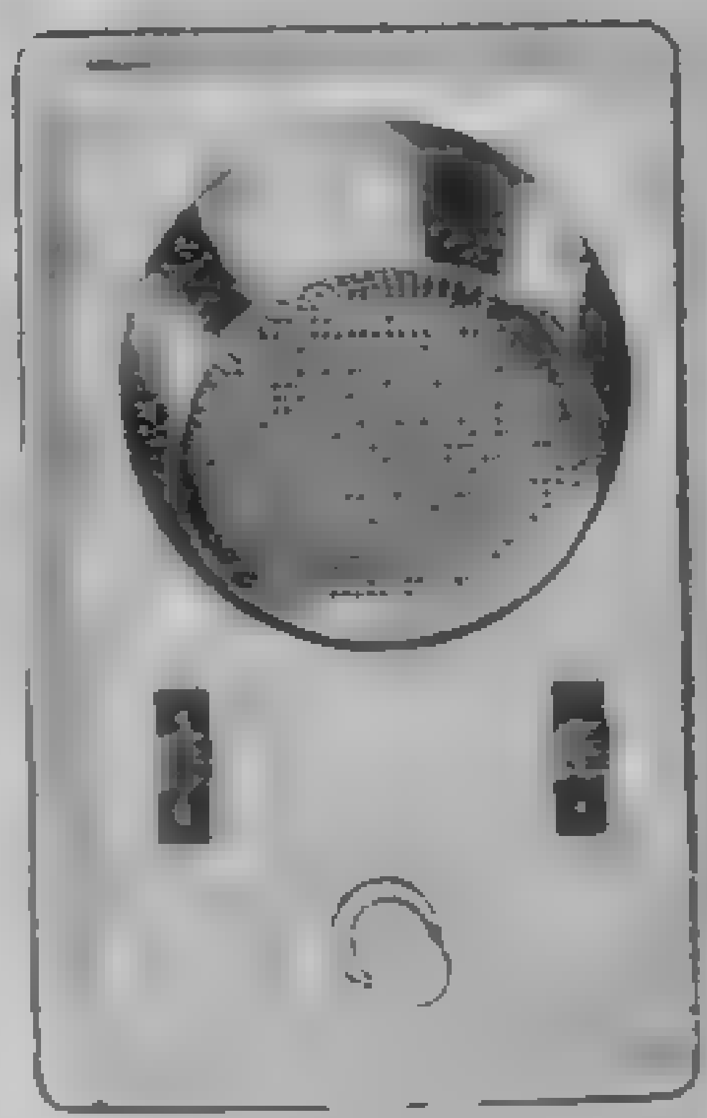
Write to Allied for Assistance in Planning Your Intercom System

THE TALK-A-PHONE ALL-TRANSISTOR COMPLETE HOME INTERCOM AND MUSIC SYSTEM

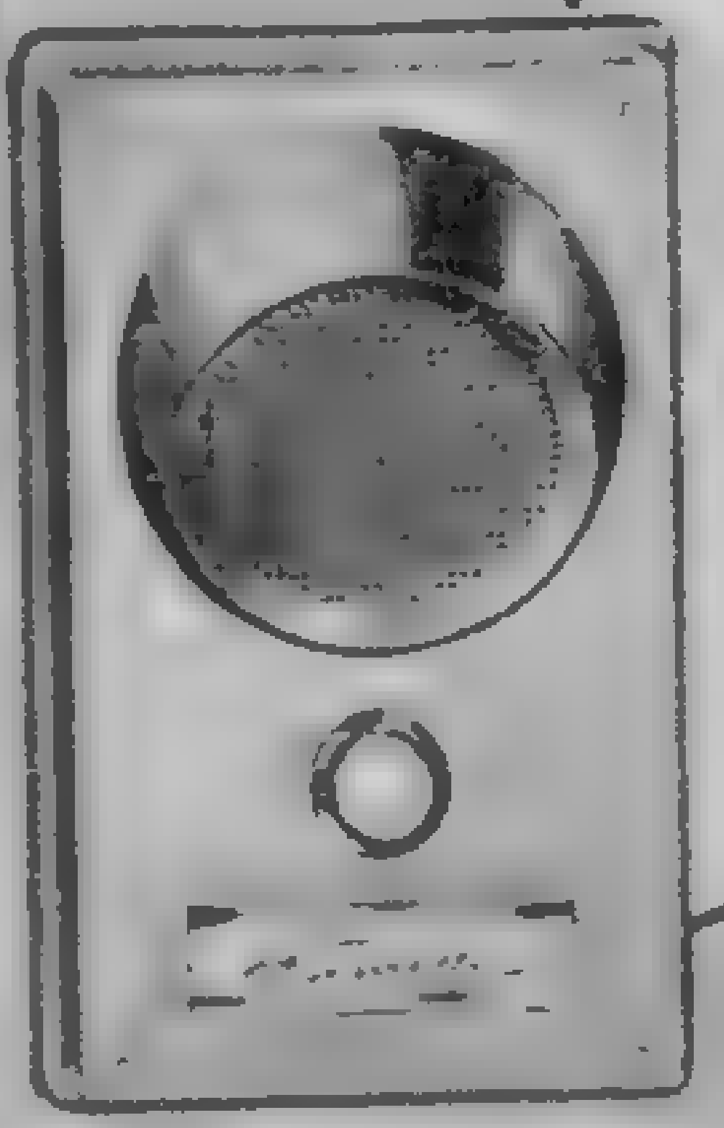


Step-Saving and Time Saving

HI-9R with HI-SM



HI-2 Indoor Sub



HI-1 Outdoor Sub

CHOSEN FOR
EXHIBITION AT THE
U. S. PAVILION,
BRUSSELS
WORLD'S FAIR

System Outline—Central Master and Staff Units

Up to 8 stations can be accommodated in the deluxe Talk-A-Phone all-transistor home radio-intercom system. Each system must include a Central Master unit and either a 4F6H battery or an HI-PS AC power supply. Besides the Central Master, the other stations in the system can be any combination of Staff units and Indoor and Outdoor Sub units.

Staffs, and Central Master(s), can originate calls to and converse with any other station. Subs can converse with any other station except another Sub, but cannot originate calls. All station units other than Outdoor Subs can be switched for either private or non-private operation. Set for private operation, a station must depress switch in order to be heard by other stations. In non-private operation, a station can be listened to without its operating any controls—a valuable feature for nursery or sick-room. Outdoor Subs, for use at doors, are always non-private. If an HI-9R Central Master is used, any station except an Outdoor Sub can listen to AM radio programs by flicking a switch.

Front panels in gold and satin-silver. Flush mounting. Central Master, Staff supplied with approx. 4⅜x14⅙x3½" plaster rings. U.L. Approved.

HI-9 CENTRAL MASTER. 3 audio stages; p-p output. 7 lbs.
93 RX 241. List, $99.50. *$5.00 Down.* **NET**..................**58.00**

HI-9R CENTRAL MASTER. As above, but with AM radio. 8 lbs.
93 RX 242. List, $154.00. *$5.00 Down.* **NET**..................**89.50**

93 RX 244. **HI-8 Staff.** 7 lbs. List, $54.00. *$2.00 Down.* **NET**......**31.50**

Sub-Stations, System Accessories and Cable

Outdoor Sub has illuminated name-plate and pushbutton for connection to doorbell system. Subs do not require plaster ring for mounting—mount in 2" square x 2" deep wall opening. Housing Assembly permits Central Master or Staff unit to be placed on table top, or mounted on wall or cabinet. AC supply, if used, is the only unit in the intercom system that requires connection to an AC outlet. Use of junction box explained at right.

No.	Type	Description	Size	Wt.	List	NET
93 R 245	HI-1	Outdoor Sub	5⅝x3⅝"	1½ lbs.	$27.50	15.95
93 R 246	HI-2	Indoor Sub	5⅝x3⅝"	1½ lbs.	27.50	15.95
93 R 247	HI-SM	Housing Assembly	6x15½x4"	2½ lbs.	19.00	11.00
93 R 248	HI-JB	Junction Box	1¾x8¾x8¾"	1 lb.	7.00	4.00
93 R 249	HI-PS	AC Power Supply	3x5x2"	5 lbs.	27.50	15.95
53 J 033	4F6H	9 v. Burgess Battery	8½x4½x5⅞"	9 lbs.	7.50	5.03

CABLE REQUIREMENTS. Central Master and Staffs: Connect with 6226 cable using one of two methods. 1) Measure from 1st unit to 2nd, 2nd to 3rd, etc. (but not from last back to first), and total. 2) Use one junction box, which may be placed anywhere, and measure from each station to the junction box. **Subs:** Connect to nearest Staff or Central Master. Use 6206 cable for Indoor Sub, 6202 cable for Outdoor Sub. **Battery or Power Supply:** Connect to Central Master only with 6202 cable.

TYPE 6226 CABLE. Shpg. wt., per 100 ft., 12 lbs.
49W 615. **NET PER FT**..........................**28c**

TYPE 6202 CABLE. Shpg. wt., per 100 ft., 4 lbs.
49W 621. **NET PER FT**..........................**3½c**

TYPE 6206 CABLE. Shpg. wt., per 100 ft., 3 lbs.
49W 622. **NET PER FT**..........................**8½c**

Model T-LC-2 Two-Station Intercom

NET
$36⁰⁰

- **Highly Attractive, Modern Styling**
- **Built to Provide Long, Dependable Service**
- **Stations Can Be Up to 2000 Feet Apart**
- **Only a Fraction of a Cent a Day to Operate**

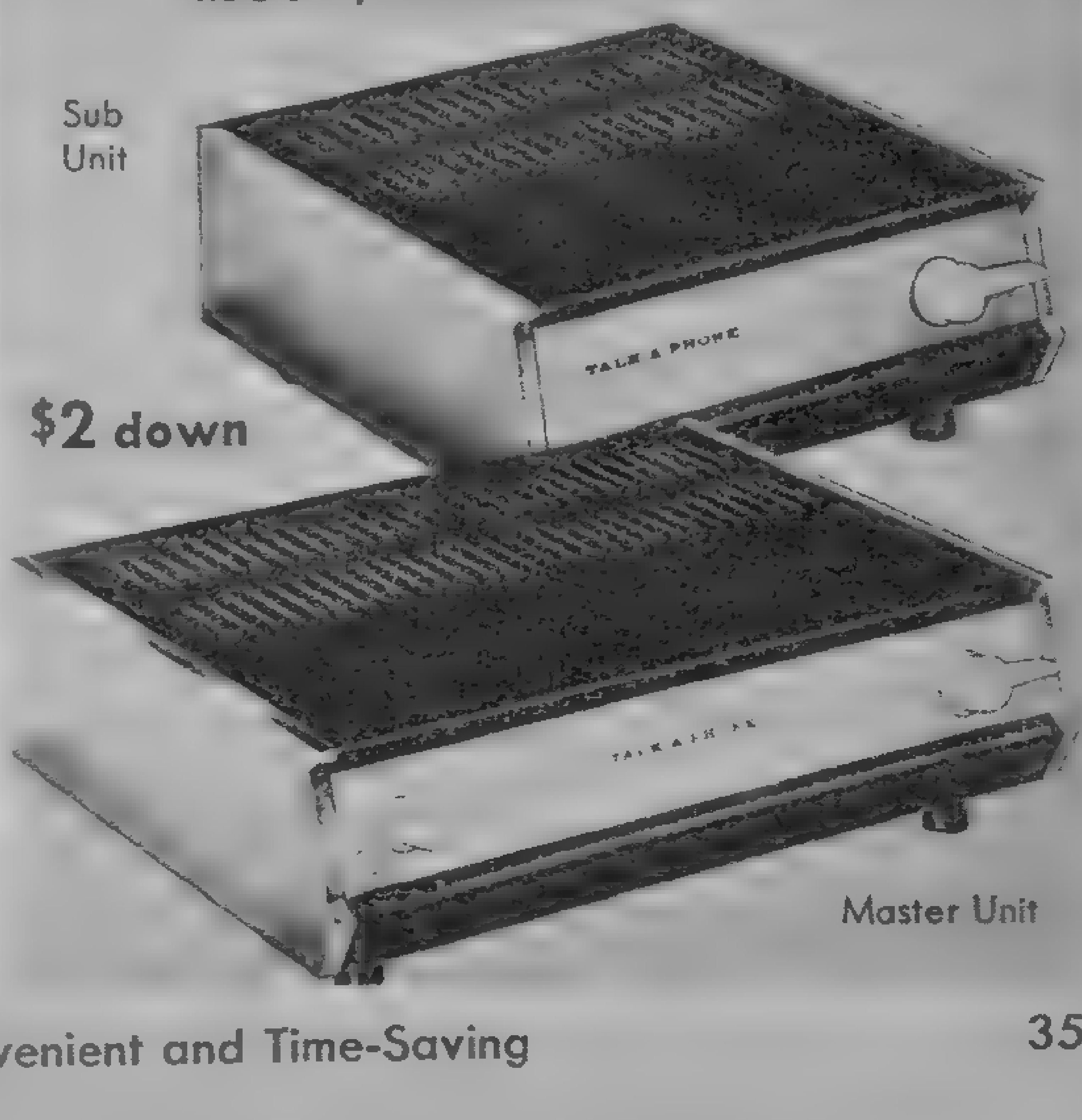
Ruggedly constructed, gracefully styled 2-station intercom system—deluxe combination provides everything necessary for 2-way communication. Gives dependable service in office, home, farm, or factory. Complete system includes one Master unit, one Sub unit, and 50 feet of interconnecting cable (more can be added, up to 2000 feet). Both Master and Sub can originate calls to each other and carry on a 2-way conversation. Sub unit can be set for either private or non-private operation. When Sub is set for private operation, Master cannot listen-in to Sub station; when non-private, persons at Sub station can answer calls at a distance without operating controls. Only Master need be connected to an AC outlet.

Master has volume control, pilot light. Rigid steel case of Master finished in charcoal gray vinyl, with side panels in brushed chrome—designed to resist corrosive industrial atmospheres. Sub is of same color, but has a highly attractive baked enamel finish. Unit sizes: Sub, 3⅛x7½x8¾"; Master, 3⅛x10½x8¾". U.L. Approved. For 110-120 volts, 50-60 cycle AC, or DC. Shpg. wt., 13 lbs.
92 RX 665. List, $62.00. *$2.00 Down.* **NET**..............**36.00**

TYPE 5303 EXTRA CABLE FOR ABOVE. Up to 2000 ft. can be added to Model T-LC-2 listed above. Shpg. wt., per 100 ft., 3 lbs.
49W 604. **NET PER FT**..................................**3c**

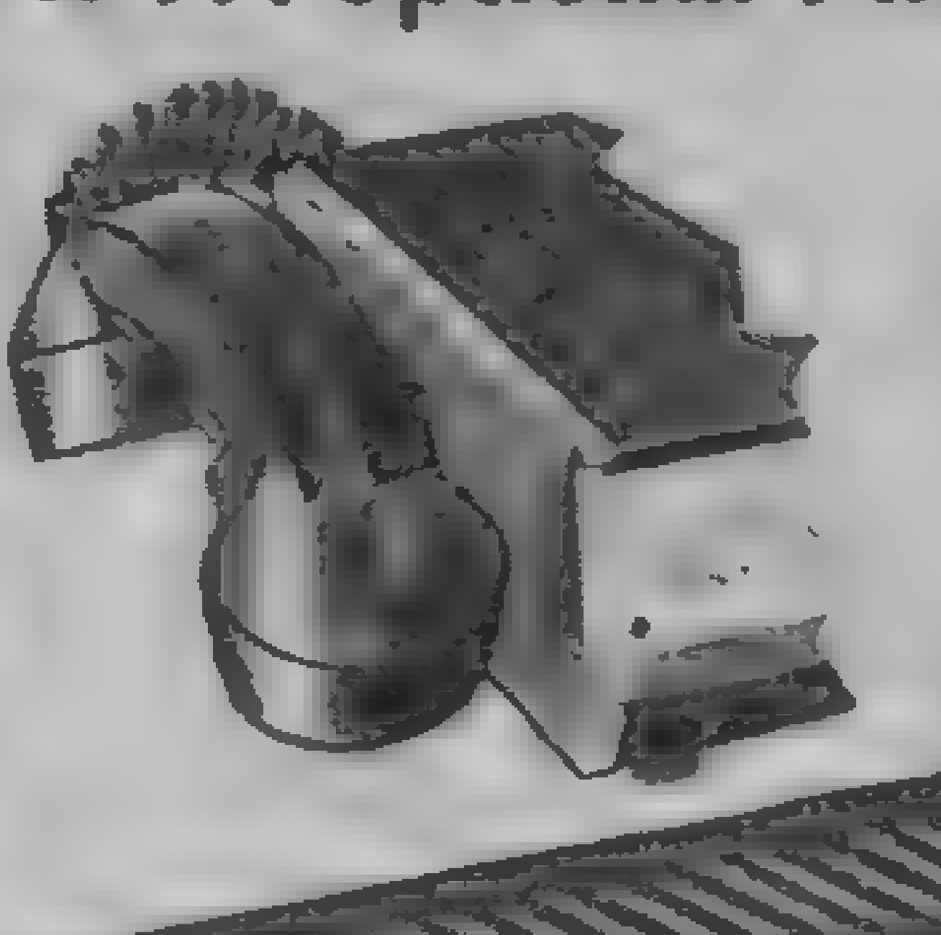
93 R 049. **T-W1 Wall Mounting Brackets.** Pair required per station. 8 oz. List, $1.25. **NET PER PAIR**..... **75c**

RUGGED, PRECISION CONSTRUCTION

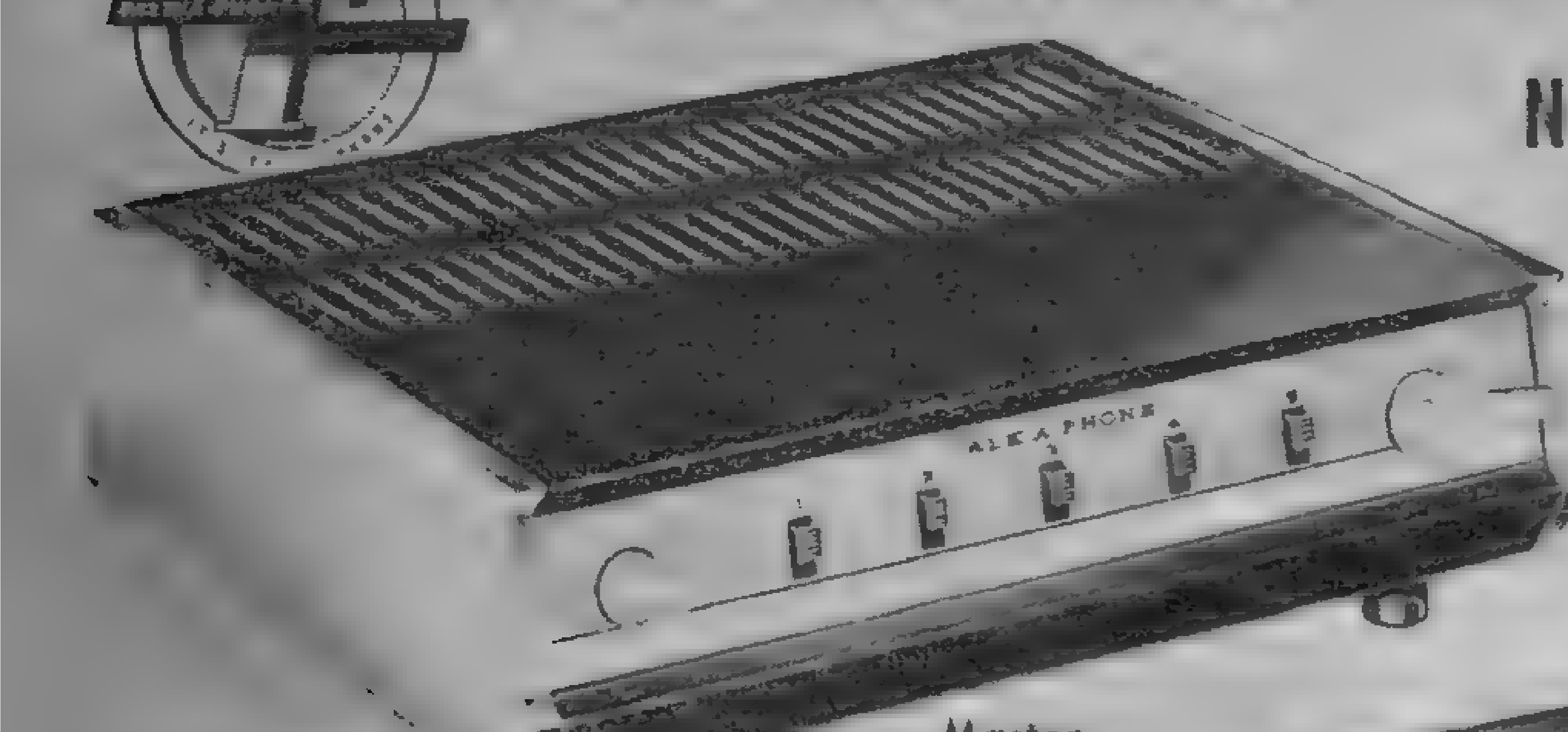


TALK-A-PHONE ...*Modern in Function and Design*

NOW ... Optional Phone for Both Systems

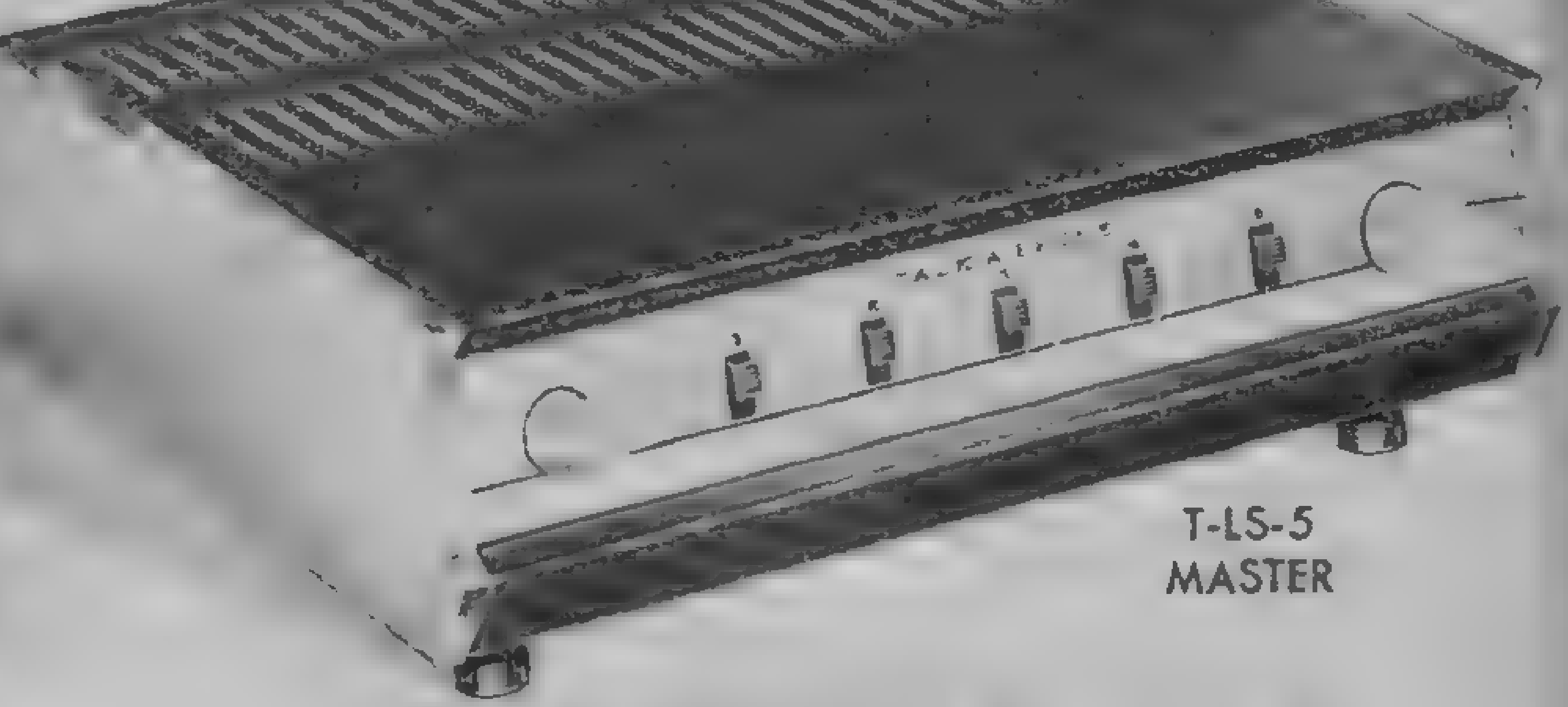


You can order a Talk-A-Phone Master station with built-in cradle phone. Choose the Master you want, in place of its stock number, insert "Special", and add "H" to Model No. *Example*: Special Talk-A-Phone Model T-LM-8H with Cradle Phone. Add $35 to net price of the Master.



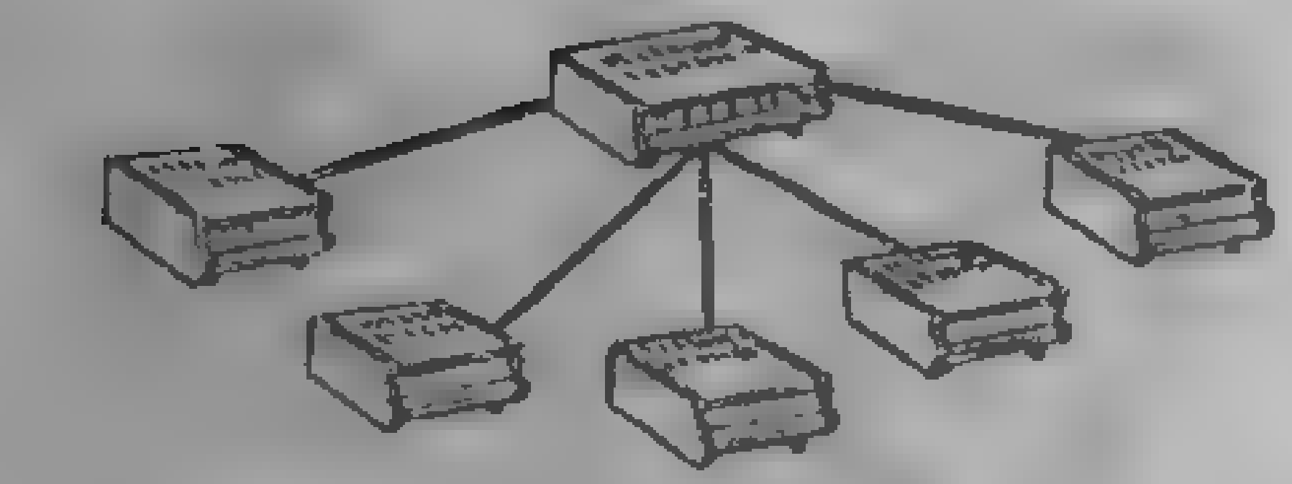
Master

T-LR-3 Sub



T-LS-5 MASTER

MASTER SELECTIVE SYSTEMS



ALL CALLS TO OR FROM CENTRAL LOCATION

STANDARD-POWER MASTERS AND SUBS. For use in a Master Selective system consisting of 1 Master (only) and from 1 to 10 Sub stations. Master can call and listen to any one Sub, several Subs or all Subs simultaneously. Any Sub can call the Master and converse but cannot communicate with other Subs. Subs can be set for private or non-private operation. When a Sub is set private, Master cannot listen-in, but can still originate calls to the Sub. In non-private operation, Master can listen-in to the Sub, allowing the Sub to reply to calls and converse at a distance without using controls. Subs can originate calls in either mode of operation. Only the Master requires outlet connection. Masters have press-to-talk switch, volume control, slide switches for station selection. *Leather-texture, gray finish and brushed chrome. †Baked, grained enamel finish. Subs are 3⅛x7½x8¾"; Masters, 3⅛x10½x8¾". For 110-120 v., 50-60 cycle AC, or DC. U.L. Approved. §Per pair.

Stock No.	Type	Description	Lbs.	List	NET
92 RX670	T-LM-5	Master for up to 5 Subs*	8	$59.95	**34.95**
92 RX671	T-LM-10	Master for up to 10 Subs*	8	$75.00	**44.00**
92 RX664	T-LR-3	Sub Station*	6	$27.50	**15.95**
92 RX674	T-LR-3M	Sub Station †	6	$21.00	**11.95**
93 R 049	T-W1§	Wall mtg. brackets for Subs (except C-20, HP-3)	½	$ 1.25	**.75**

HIGH-POWER MASTERS. For paging, or large or noisy areas—use with Standard or High-Power Subs. Same as Masters above, but with 10-fold volume output. For 110-120 v., 50-60 cycle AC.

T-AC-5406. Use with up to 5 Subs. 8 lbs.
92 RX 672. List, $75.00. *$2 Down.* NET................**44.00**

T-AC-5411. Use with up to 10 Subs. 8 lbs.
92 RX 673. List, $89.95. *$5 Down.* NET..................**52.50**

HIGH-POWER SUBS. Can answer Master and with origination switch below, can originate calls to Master. For large or noisy areas, or general paging. Can be intermixed with standard Subs.

T-C-20 TRUMPET TYPE. 9", weatherproof re-entrant horn. 15 watts. Charcoal gray. Shpg. wt., 5 lbs.
92 RX 679. List, $44.95. *$2 Down.* NET................**26.50**

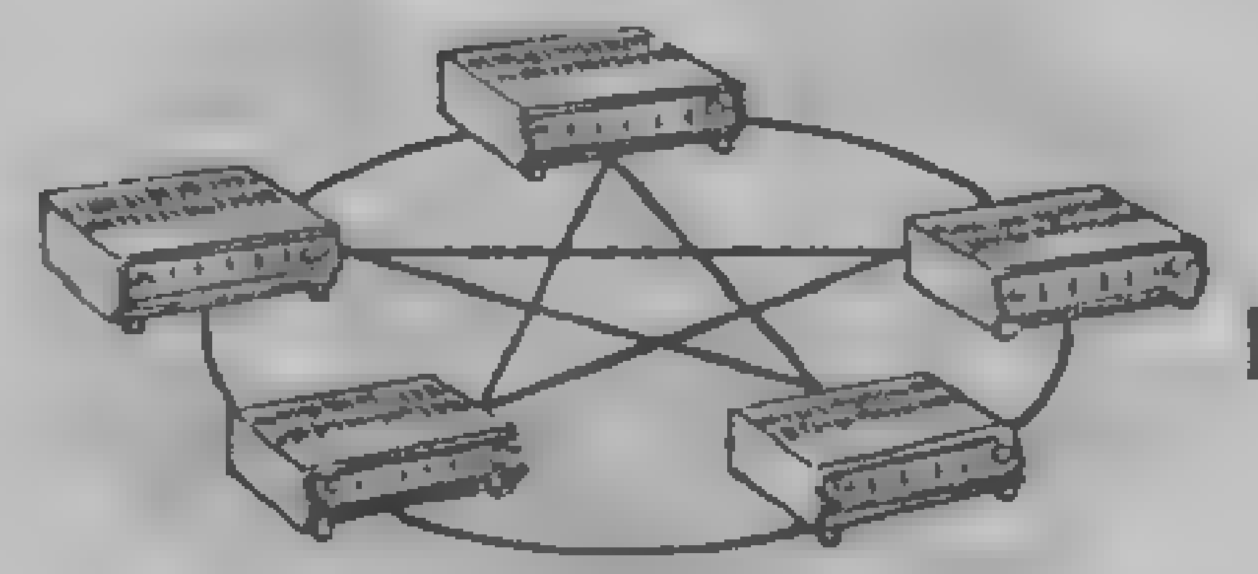
T-HP-3 INDOOR TYPE. 8" speaker in charcoal gray metal baffle. 5 watts. Baffle, 12x12x8". Shpg. wt., 9 lbs.
92 RX 678. List, $28.00. NET..... . .. **16.50**

T-S-100 ORIGINATION SWITCH. Shpg. wt., 2 lbs.
92 R 645. List, $6.00. NET...........................**3.50**

CABLE REQUIREMENTS

Measure the distance from each Substation to the Master and total.
TYPE 5303 CABLE. Shpg. wt., per 100', 3 lbs.
49 W 604. NET PER FOOT............................. .**3c**

SUPER SELECTIVE SYSTEM



EVERY STATION CAN CALL EVERY OTHER STATION

- **Up to 5 Simultaneous Private Conversations**
- **Slide Switch Station Selector for Conference Calls**
- **Designed for Dependable, Continuous Operation**

SUPER SELECTIVE STATION UNITS. The Super Selective is a highly versatile, low-cost intercom system consisting entirely of Master units. Any station in the system can originate a call to any other station or stations and converse with them—several separate conversations can be carried on simultaneously without interference to each other. Conversations can be either two-way or conference for maximum convenience. System is ideal for use on farms, in factories, homes and offices. Saves steps, saves time, and takes the load off of your switchboard. You can begin a Super Selective system with as few as two stations—wiring arrangement permits easy installation of more stations as needed.

Super Selective Masters have a translucent indicator which is lighted when the unit is in operation. Units have an individual slide switch for each station in the system, a spring return press-to-talk lever, and a volume control to permit adjustment of the incoming voice level.

Compact case with its clean, modern design blends with any surroundings—employs rigid steel construction to withstand abuse. Units can be placed anywhere—occupy about as much desk space as a telephone. Beautifully finished with bonded, leather-texture, gray vinyl and brushed chrome. Resists corrosive industrial liquids and atmospheres. Cases have four rubber feet to protect desk top.

Stations in the Super Selective system can be placed over 1000 feet apart. Units are supplied less interconnecting cable (listed below). System is designed to stand up under continuous day and night operation—power consumed costs only a fraction of a cent per day. Size of cases is 3⅛x10½x8¾". For operation from 110-120 v., 50-60 cycle AC, or DC. U.L. Approved. Shpg. wt., 7 lbs.
MODEL T-LS-5. For up to 5 stations.
92 RX 666. List, $59.95. *$2 Down.* NET.... . . ..**34.95**

MODEL T-LS-10. For up to 10 stations.
92 RX 667. List, $75.00. *$2 Down.* NET..................**44.00**

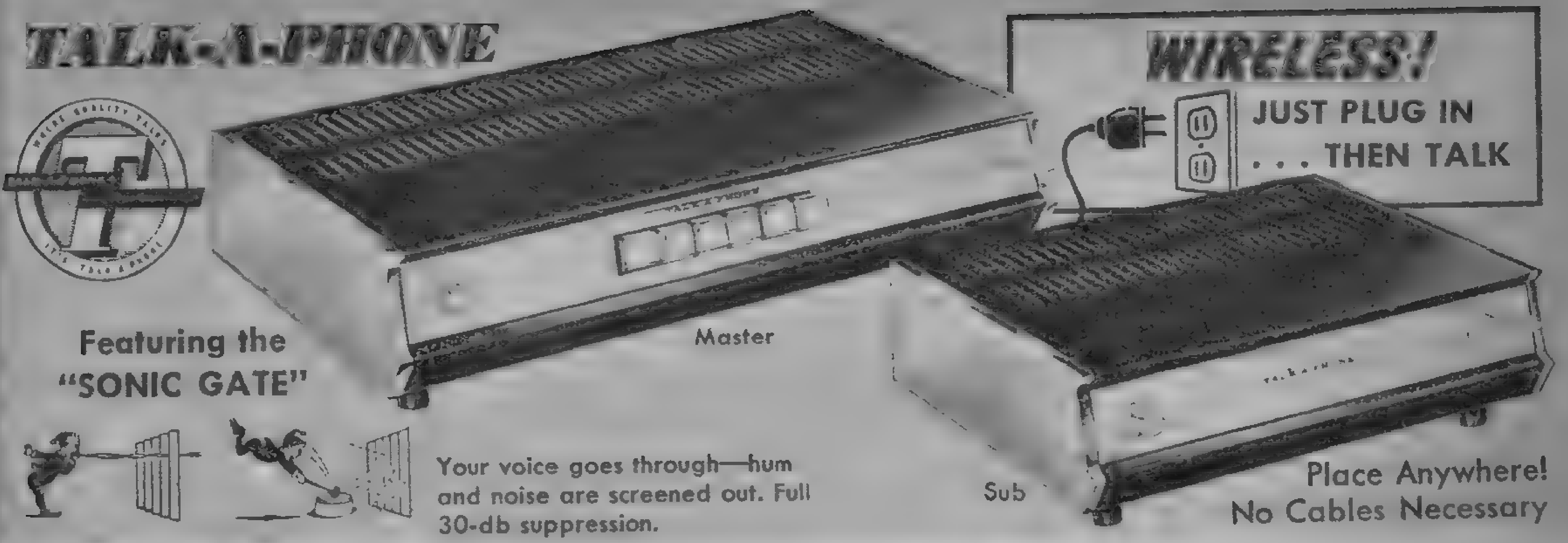
CABLE REQUIREMENTS

For systems with T-LS-5 Masters, use Type 5506 interconnecting cable. For systems with T-LS-10 Masters, use Type 9911 cable. Measure from 1st Master to 2nd only, 2nd to 3rd only, etc., and total. It is not necessary to connect last Master to the first.

TYPE 5506 CABLE. 6-cond. Shpg. wt., 100', 4 lbs.
49 W 605. NET PER FT. **7½c**

TYPE 9911 CABLE. 11-cond. Shpg. wt., 100', 12 lbs.
49 W 603. NET PER FT.................................**14c**

TALK-A-PHONE



WIRELESS!

JUST PLUG IN . . . THEN TALK

Featuring the "SONIC GATE"

Your voice goes through—hum and noise are screened out. Full 30-db suppression.

Place Anywhere! No Cables Necessary

2-STATION WIRELESS SYSTEM

NET **\$79^{90}**

$5 down

T-LC-33. Quality carrier-current type intercom system for reliable communications where permanently wired installations may not be practical. Just plug each station into any wall outlet and you have instant 2-way communication. Voice reproduction is clear and distinct—units feature "Sonic Gate" hum and noise suppression circuit. More stations can be added as needed—all stations in the system will receive any message transmitted from any point. Since the AC line is the transmitting cable, stations must receive power from the same power-company line transformer.

"Uni-Trans" switch lock, for continuous transmission, permits dictating or listening in. Units have volume controls. Cases are leather-texture gray vinyl and brushed chrome—resist corrosive atmospheres. 3⅛x10½x8¾", each unit. For 110-120 v., 50-60 cycle AC, or DC. Shpg. wt., 16 lbs.

92 RX 668. List, $138.00. NET PER PAIR.................... 79.90

T-LC-17. ADDITIONAL STATION. 8 lbs.
92 RX 669. List, $69.00. NET. . 39.95

Selective Wireless Systems

ALL-MASTER SYSTEM

All-Master system—any Master can selectively call any of 5 other Masters. If more than six Masters are used in the system, several Masters will hear the same message. As many as three separate conversations can be held simultaneously. Push-button selector permits conference calls. Merely plug into electrical outlets. All outlets must be on the same electric-company line.

Masters employ the "Sonic Gate" circuit to suppress hum and line noise. Steel cases are handsomely styled in leather-texture gray vinyl and brushed chrome. 3⅛x14x8¾". For 110-120 v., 50-60 cycle AC, or DC. Shpg. wt., 13 lbs. *Only $5 Down.*

MODEL T-LCM-8806 MASTER.
93 RX 071. List, $136.00. NET....79.50

MASTER-AUXILIARY SYSTEM

Consists of one or more T-LCM-8806 Masters (left) and as many Auxiliaries (below) as desired. Masters can call on any of 6 channels—all stations on channel selected will hear call (Auxiliaries are on fixed channel; Masters can be on any channel). Auxiliaries can reply, but not originate. Last digit in Type no. shows operating channel. 2 Aux. on same channel can be used as 2-way system, less Master. 3⅛x10½x8¾". 110-120 v., 50-60 cycle AC, DC. 7 lbs.

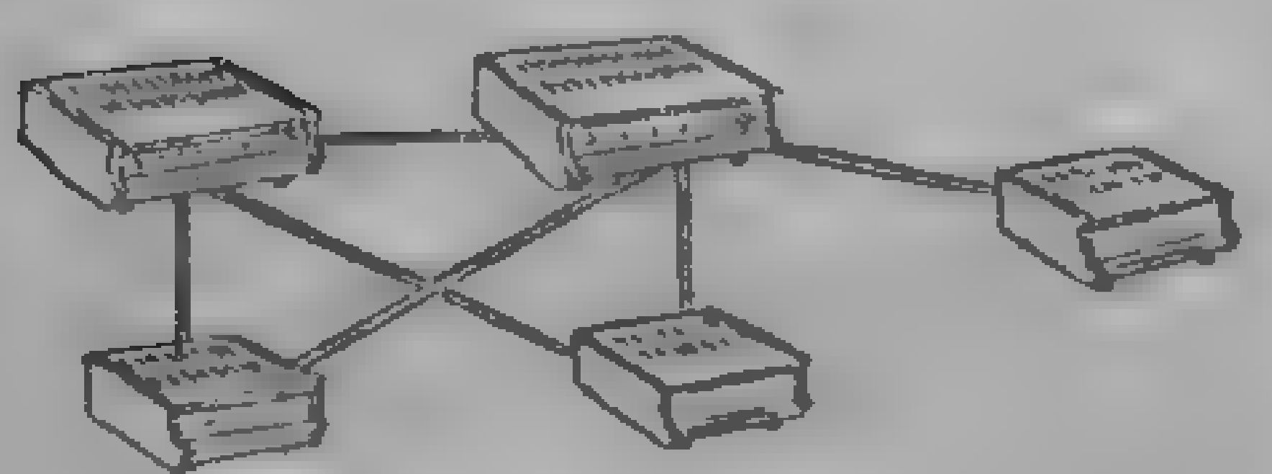
93 RX 072. T-LCS-801.
93 RX 073. T-LCS-802.
93 RX 074. T-LCS-803.
93 RX 075. T-LCS-804.
93 RX 076. T-LCS-805.
93 RX 077. T-LCS-806.

List Each, $77.00. NET EACH, 45.00

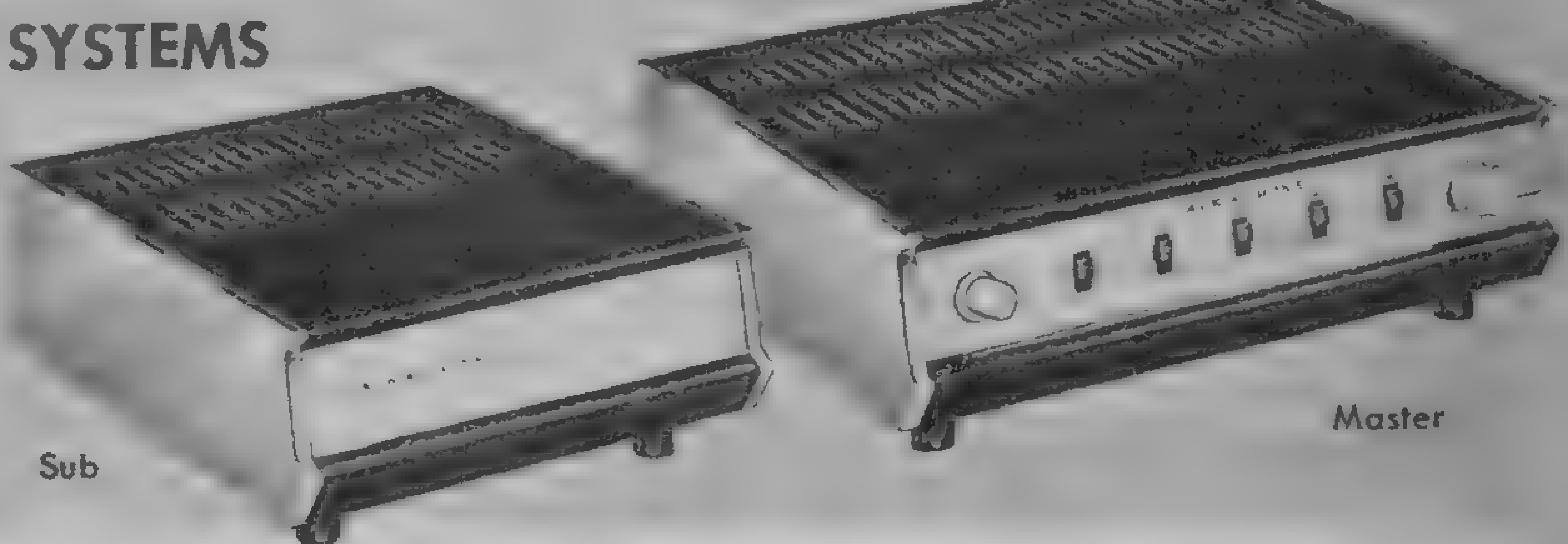
SELECTIVE AREA PAGING

A wireless Master-Auxiliary intercom system provides selective area paging for commercial and industrial operations—without installation costs that usually run well into four figures. Several Channel 1 Auxiliaries could be placed in the sales room, several Channel 2 units in the stock area, several Channel 3 Auxiliaries in the service department etc. Master station could then page any desired area.

COMBINATION SYSTEMS



Masters Can Call Any Station
Subs Reply—Do Not Originate Calls



MASTERS AND STANDARD SUBS

High-flexibility combination Systems—Masters and Subs can be intermixed as desired. Masters can originate calls to each other and to any Sub in the system selectively. One or more Subs can be exclusive to only one Master if desired. Subs cannot originate calls.

Switch for private or non-private operation of Masters—other stations cannot listen to a private Master, but Master can receive calls, and originate them by using the press-to-talk switch. In the non-private mode, Masters and Subs can reply to calls at a distance, without controls; calls can be answered up to 40 feet from unit. Subs require no connection to a wall outlet.

Master units have sturdy steel cases, finished in leather-texture gray vinyl and brushed chrome. Model T-LR-2 Sub case has same finish as Masters, Model T-LR-2M is of same color, but finish is grained, baked enamel. Sizes: Masters, 3⅛x10½x8¾"; Subs, 2⅞x7½x8¾". For 110-120 v., 50-60 cycle AC, or DC. U.L. Approved.

T-CL-5 MASTER. For up to 5-station systems. 7 lbs.
92 RX 675. List, $72.00. *$2 Down.* NET 42.00
T-CL-10 MASTER. For up to 10-station systems. 8½ lbs.
92 RX 676. List, $87.00. *$5 Down.* NET....................51.00

92 RX 663. T-LR-2 Sub. 5 lbs. List, $27.50. NET............15.95
92 RX 677. T-LR-2M Sub. 5 lbs. List, $21.00. NET..........11.95

93 R 049. T-W1 Wall Mounting Brackets. For T-LR-2 or T-LR-2M Subs. 8 oz. List, $1.25. NET PER PAIR........................75c

HIGH-POWER SUBS

Designed for paging, or communication in noisy areas. Use in a Combination System with Masters at left (can be intermixed with standard Subs if desired). Illustrated on preceding pages.

MODEL T-C-20. Nine-inch weather-proof re-entrant horn. Power capacity, 15 watts. Charcoal gray. 5 lbs.
92 RX 679. List, $44.95. *$2 Down.* NET..................26.50

MODEL T-HP-3. Eight-inch speaker in charcoal gray baffle. For indoor use. 5 watts. 12x12x8". 9 lbs.
92 RX 678. List, $28.00. NET........ . .. . 16.50

CABLE FOR COMBINATION SYSTEMS

Use 6210 5-pair cable for interconnecting T-CL-5 Masters, 6226 13-pair cable for T-CL-10 Masters. Measure from 1st Master to 2nd, 2nd to 3rd, etc. (but not from last back to first). Add measurements and order this total length. Connect Sub to the nearest Master only with 6902 2-cond. cable, whether Sub is to be exclusive to one Master or common to the whole system.

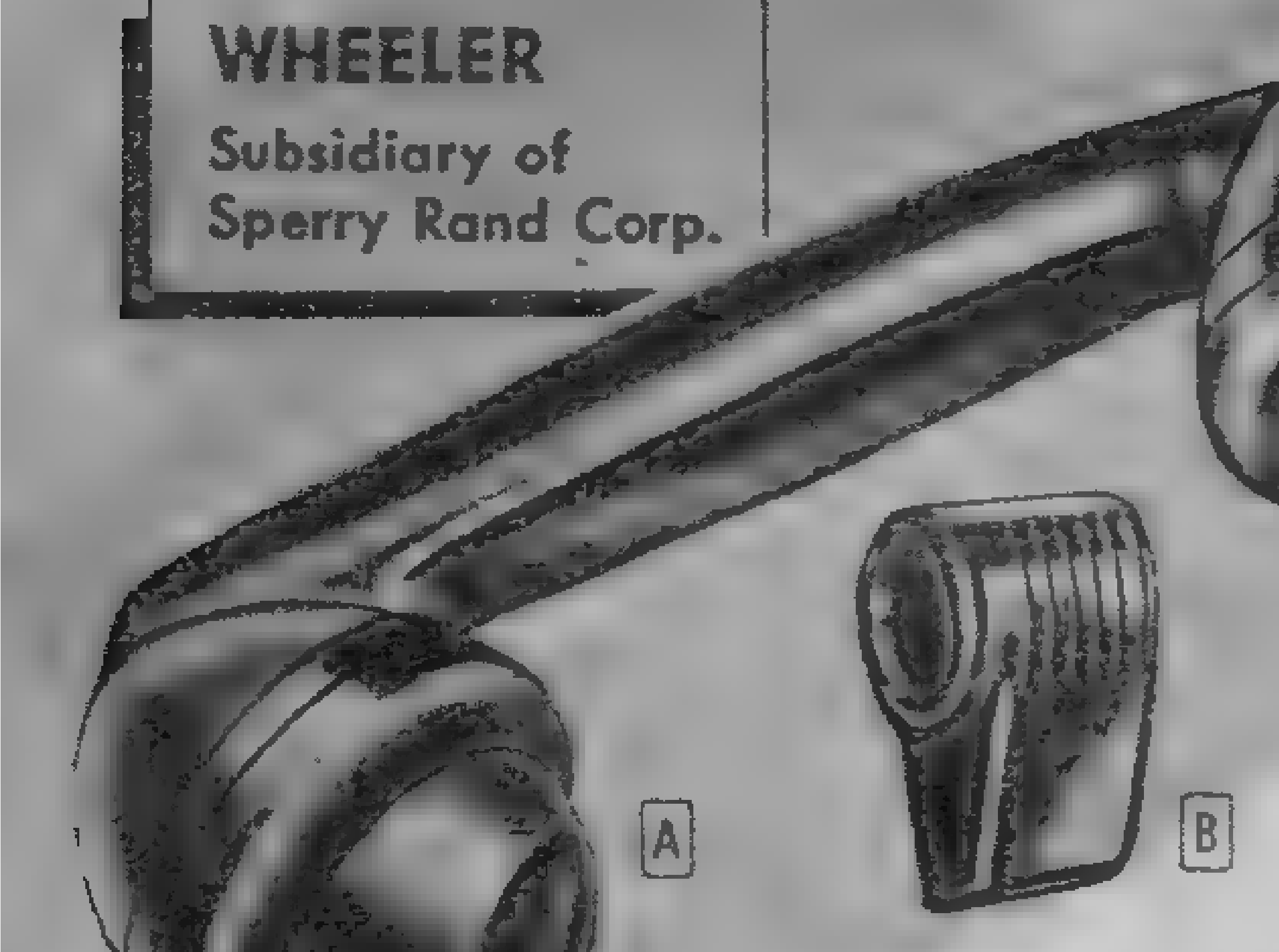
49 W 617. 6210 Cable. 6 lbs. per 100'. NET PER FT.... . 14c

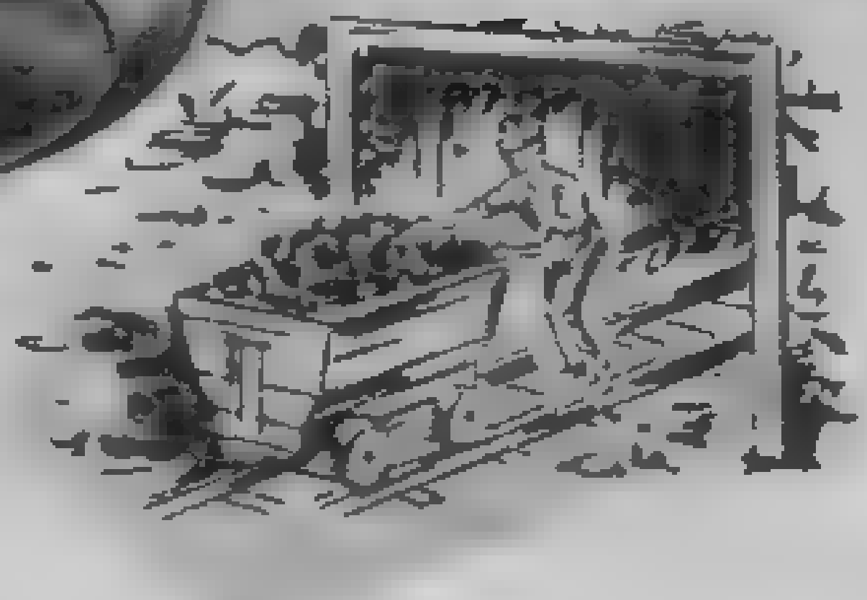
49 W 615. 6226 Cable. 12 lbs. per 100'. NET PER FT..........28c

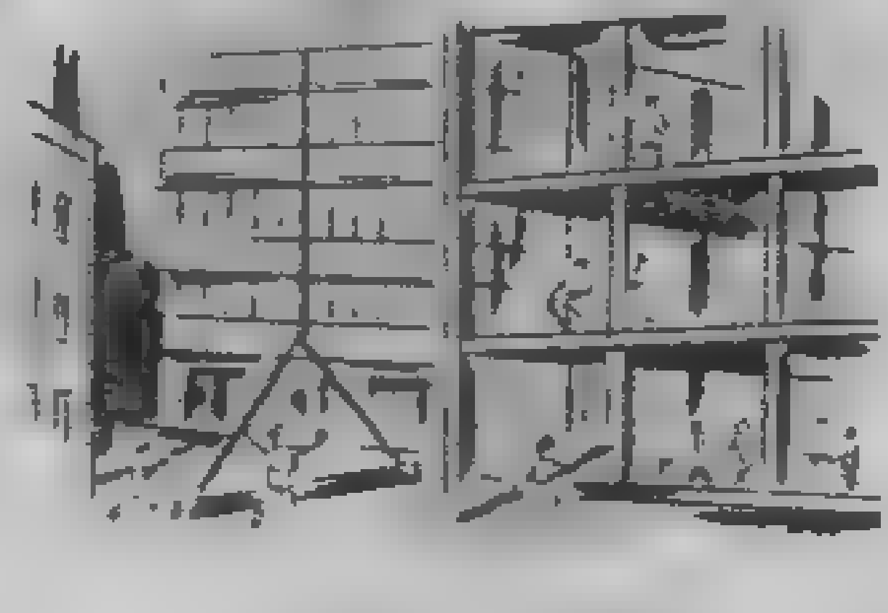
49 W 613. 6902 Cable. 2 lbs. per 100'. NET PER FT............2c

WHEELER
Subsidiary of
Sperry Rand Corp.

The ULTIMATE In Reliability
No Batteries . . . No AC!



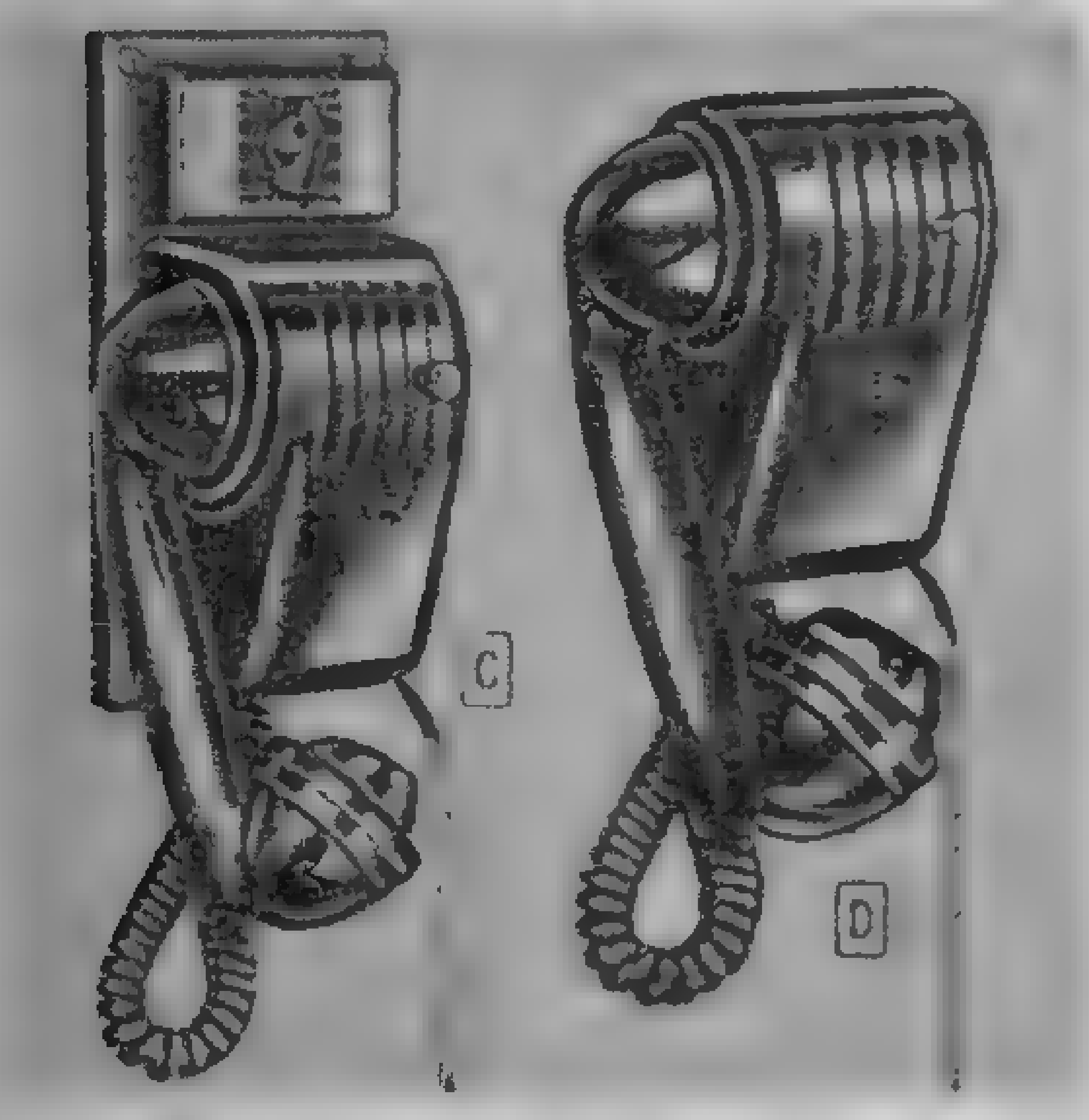

Mining


Construction

Disaster Areas

RELY ON WHEELER "SOUND-POWERED" TELEPHONE SYSTEMS

For maintenance-free use in the home, plant or outdoors. Ideal where AC power is not available. Voice generates current—no batteries required. Provide undistorted communication to 20 miles.



INDIVIDUAL HANDSETS AND HOLDERS. Handsets are self-contained. SPT-102 comes with 3-ft. neoprene cord, insulated clips, less interconnecting cable (below)—uses 2-cond. twisted pair. *4-ft. retracting cord. †Up to 3 usable in a common ringing system.

Stock No.	Type	Fig.	Description	Lbs.	List	NET
59 R 350	SPT-102	A	Handset. Up to 12 can be paralleled.	1½	$15.15	12.88
59 R 360	SPT-123*	A	Hi-level handset for noisy areas (less clips)	1½	16.95	14.41
59 R 361	SPT-150	A	Same as SPT-123 but with insulated clips.	1½	17.60	14.96
59 R 355	F-5308	B	Wall mount handset holder. For installations with separate ringing systems. 2⅞x5⅝x3".	1½	15.50	13.17
59 R 356	F-4182†	....	Same as F-5308 but with bell.	1½	21.43	18.21
59 R 420	B-5446	....	Handset hook. For wall or desk-side mtg.	¼	1.75	1.49

MULTIPLE INSTALLATION UNITS. Masters (Fig. C) can ring and converse with any stati Subs can ring and converse with Master direct—or reach Subs through Master. Up to 12 units can be used in either all-Master, or Master-Sub systems. For cable: measure from 1st station to 2nd, 2nd to 3rd, etc. *Conductors equal no. of stations plus 2; †no. of Subs plus 3

59 R 353. Type SPS-205-MI. *Master station. 5 lbs. List, $67.70. NET............**50.75**

59 R 354. Type SPS-205-SI. †Sub station. Not illus. 5 lbs. List, $57.45. NET........**43.09**

D **2 & 3-PHONE SYSTEMS.** Basic intercom systems consisting of either 2 or 3 phones on common ringing, common-talking circuit. 3-phone system limited to 500-ft. distance Use 2-cond. cable, below. Measure from phone 1 to 2, and from 2 to 3.

Stock No.	Mfr's Type	Description	Lbs.	List	NET
59 R 351	SPS-205	2-phone system	7	$80.47	68.40
59 RX 352	SPS-205-3	3-phone system	10	120.75	102.64
59 R 362	SPS-205-II	As SPS-205, but for hi-noise areas.	7	92.00	78.20

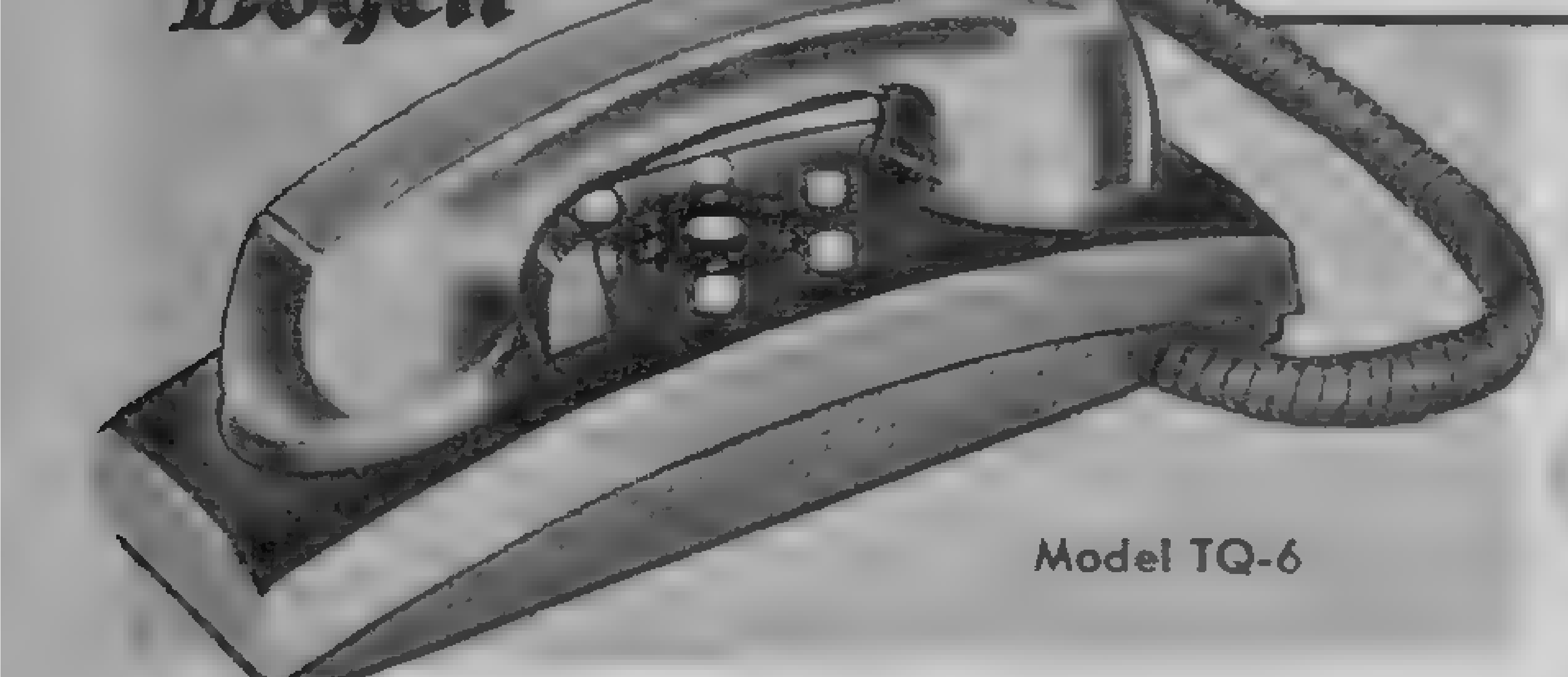
RECOMMENDED PHONE CABLES

Ideal cable for both indoor and outdoor use with Wheeler telephones.

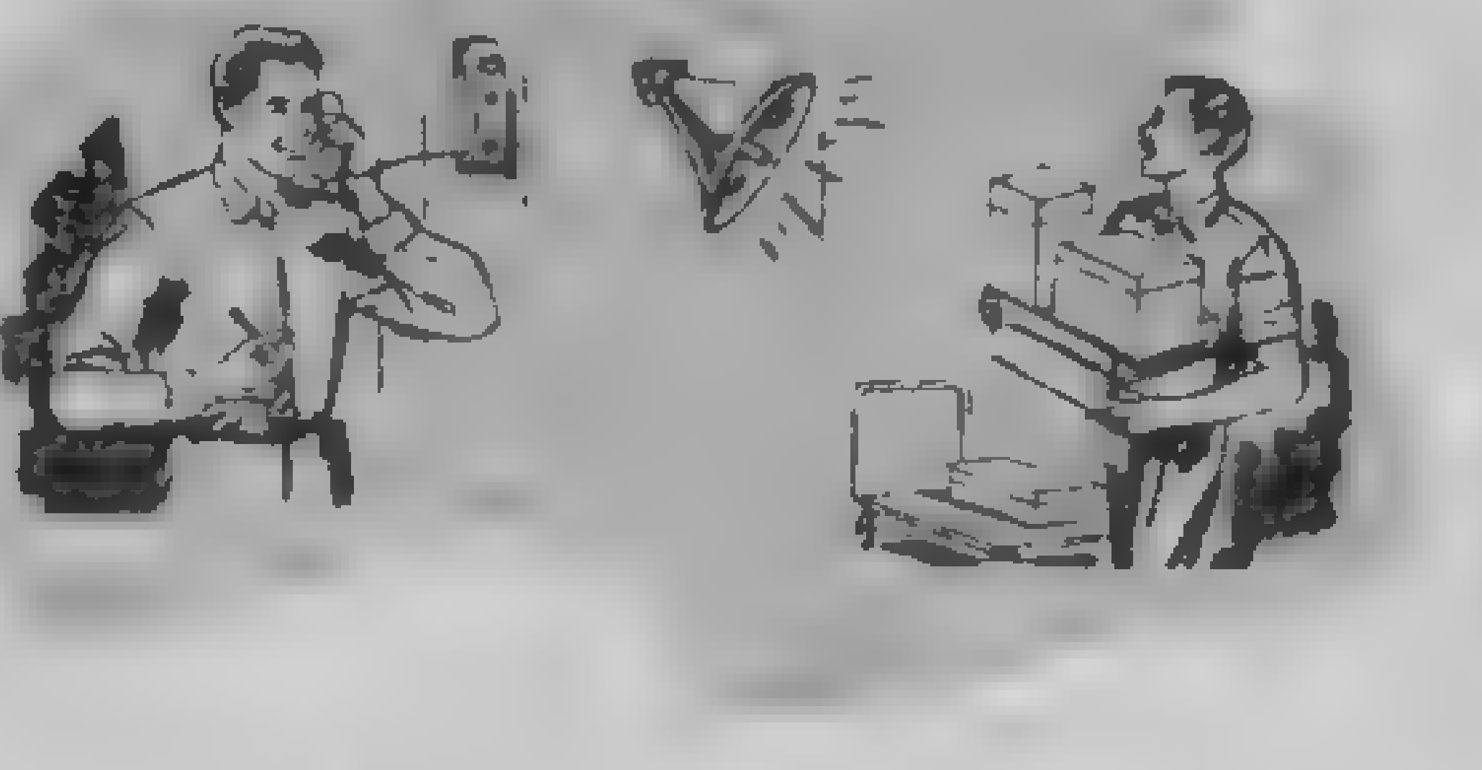
Stock No.	Cond.	Lbs., 100'	PER FT.	PER 100'
48 W 826	2	3	4c	3.38
48 W 825	3	4	5½c	5.08
48 W 892	6	3½	5c	3.82
48 W 893	12	6	7c	5.88

TELEPHONE SYSTEMS AND P.A. ADAPTER

Bogen


Model TQ-6

Model "TRA" Phone Page Adapter



Page Through
Your **PRESENT**
P.A. System

Use Any Phone . .
Music Automatically
Stops

Series "TQ" Telephones

Deluxe Bogen telephone units for versatile, efficient systems in the plant, home or office. Keeps your outside telephone free for calls, provides time-saving, private replies. Phones have selective ringing with a common talk-line—permits conference calls, but only one conversation at a time. To make a call, simply lift receiver and press buttons to ring stations to which you wish to speak. Phone system powered by a single PRS-1 supply (below). TRA Phone-Page adapter at right, permits paging through your present P.A. system from any phone.

Phones may be used on desk, or can be wall mounted. Handsets have 4-ft. retractile cord. Supplied less cable and power supply (see listings below). Number of conductors in cable between phones is three more than number of phones in system—measure from station 1 to 2, 2 to 3, etc. Size, 9½x3¼x3¼".

TQ-6 PHONE. For systems of up to 7 stations. 5 lbs.
92 R 643. List, $27.95. NET EACH.................**20.95**

TQ-12 PHONE. For systems of up to 13 stations. 5 lbs.
92 R 644. List, $29.95. NET EACH.................**22.45**

TQ-1 PHONES. Pair of phones for 2-station set-up. 9 lbs.
92 R 642. List, $49.95. NET PER PAIR.................**37.45**

93 R 259. PRS-1 SUPPLY. For above; use one to a system. 4x6x1-⅝". For 110-120 v., 50-60 cycle AC. 4 lbs. List, $30.00. NET.**22.50**

TRA Pushbutton Phone-Page Adapter

Adapts Bogen phone systems for convenient, push-button paging through your existing public address system. Easily connected between phone system and P.A. system (use 3-cond. cable listed below between adapter and phone system). To page, merely press the station button reserved for page. Music program equipment can be connected to TRA adapter to feed into P.A. system—music automatically stops during paging. Volume control permits different levels for paging and for music. Powered by PRS-1 power supply (listed at left) in phone system. Size (HWD), 4x4x2". Shpg. wt 3 lbs.

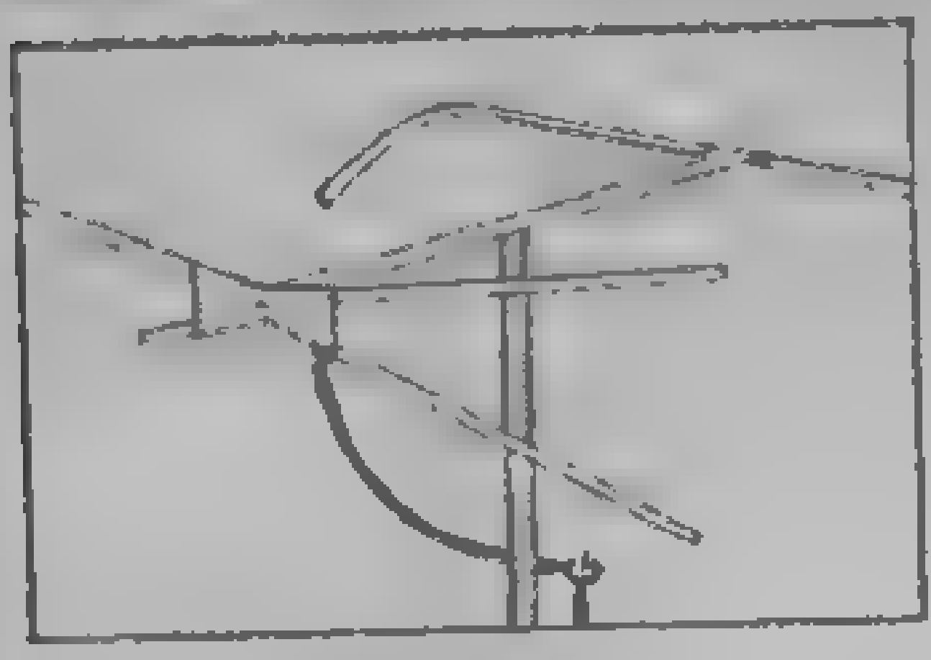
93 R 221. List, $40.00. NET.............................**24.00**

RECOMMENDED POWER AND PHONE CABLE

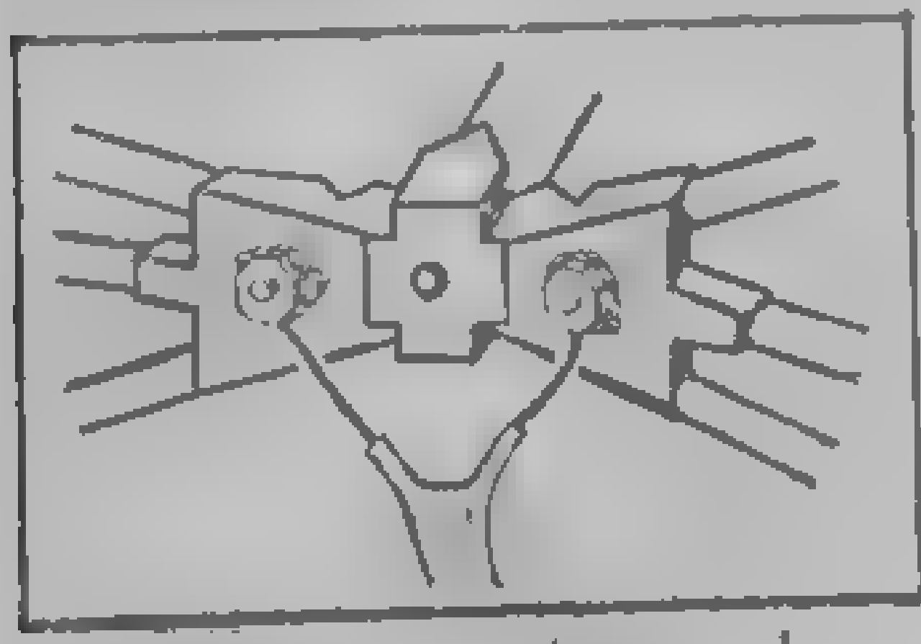
Cable for use in Bogen phone systems described above. 3-conductor cable is for connecting power supply to system (connected at any junction box in the system). Cable listed for between-phones (vinyl-covered) gives optimum operation over distances to 500 feet between power supply and the farthest phone.

Stock No.	Use With	Cond.	Lbs. per 100'	PER FT.	Per 100'
48 W 825	PRS-1 supply	3	4	5½c	5.08
48 W 892	TQ-1 system	6	3½	5c	3.82
48 W 893	TQ-6 system	12	6	7c	5.88
48 W 894	TQ-12 system	18	6¾	9½c	7.94

A WEATHER-WORN ANTENNA CAN SPOIL YOUR TV ENJOYMENT



Bent, Broken, Weather-Worn Elements



Corrosion Around Connectors

ENJOY THE BEST PICTURE QUALITY your set can deliver. Weathering of the antenna can cause gradual decrease of picture quality. So before blaming your TV set, check your antenna. A new antenna can restore picture brightness and detail.

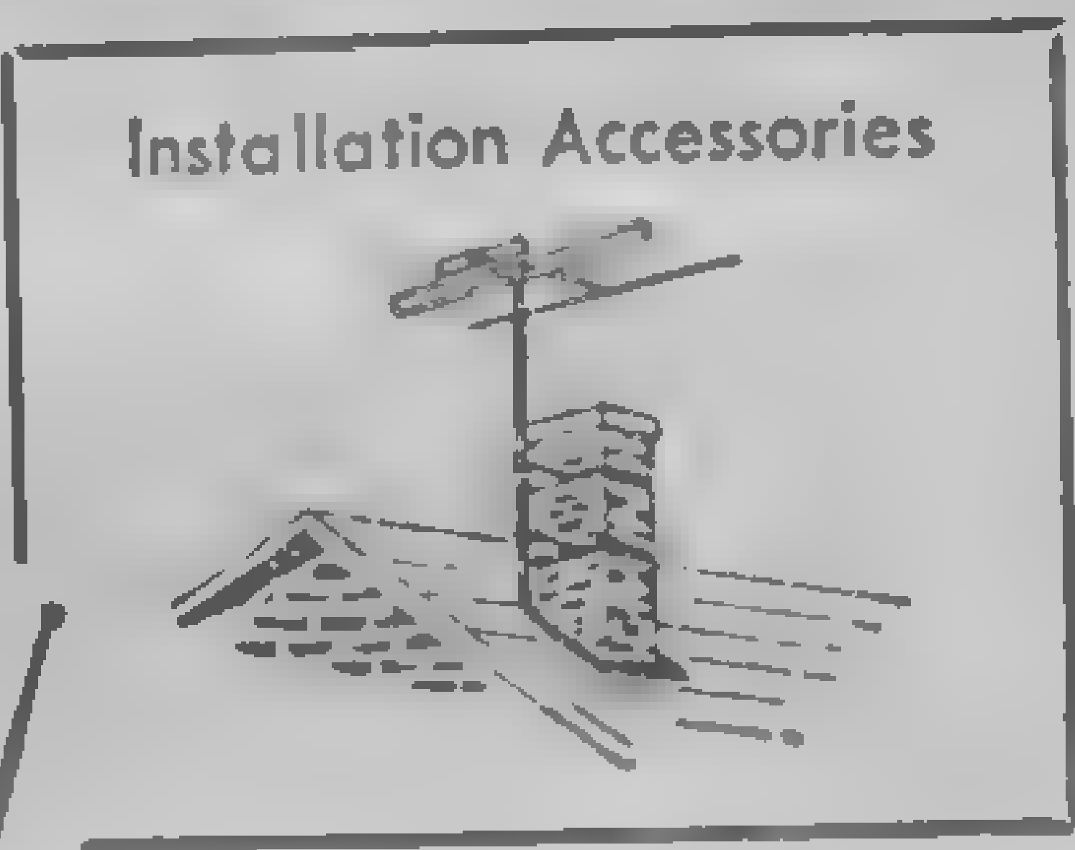
DEPEND ON ALLIED for your antenna needs. Whether your location requires a simple indoor type or fringe-area array, Allied has the antenna you need. Our stocks include a full selection of antennas and installation accessories. See the following pages for listings.

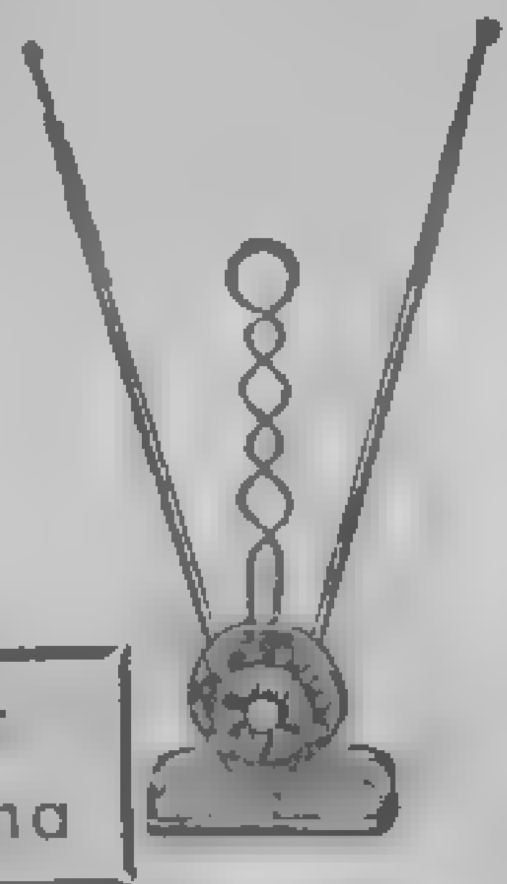
ALLIED'S Catalog is Your Complete TV Antenna Guide

Use Allied's Easy Pay Plan on Antennas and Accessories Totaling $20 or more

- **Enjoy Sharper, Clearer TV Pictures**
- **World's Largest Stock of Antennas and Installation Accessories**
- **For Metropolitan, Suburban or Fringe Areas**

How to Select Your TV Antenna





You can depend on Allied for a complete selection of quality TV antennas and a full line of antenna installation accessories.

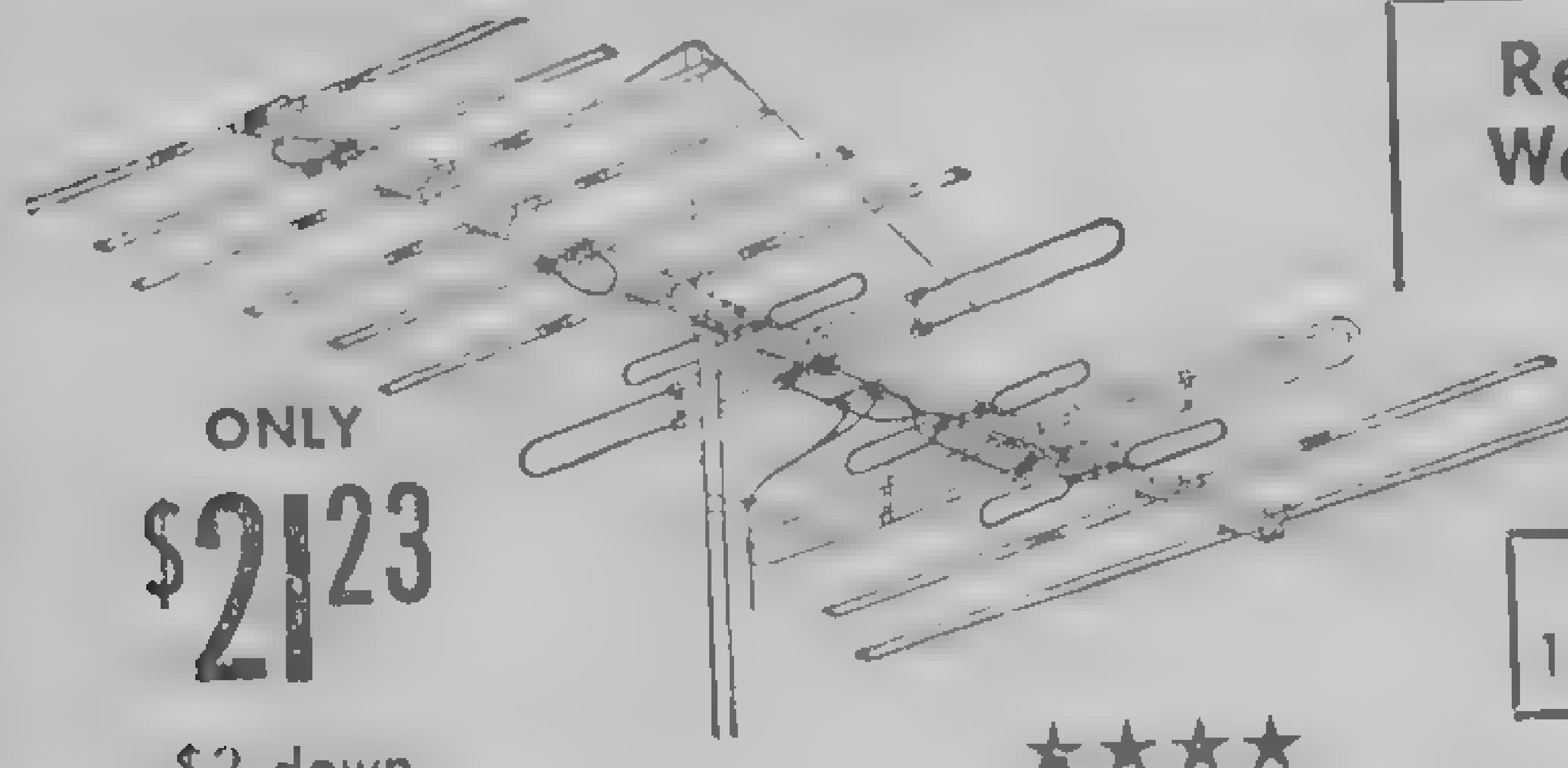
To assist you in selecting an antenna for your particular location, the antennas on this page and the following pages have been identified with 1, 2, 3 or 4 stars to indicate range as given below. When in doubt, select an antenna in the next higher group.

★ **Metropolitan-Suburban** (up to 40 miles).
★ ★ **Semi-Fringe** (up to 60 miles).
★ ★ ★ **Fringe** (up to 85 miles).
★ ★ ★ ★ **Deep-Fringe** (up to 125 miles).

Stacking two of the same type TV antennas gives up to 50% more signal to your set. Stacking is highly recommended in installations located over 125 miles from the TV station or where obstructions such as hills or tall buildings weaken TV signals.

ALLIED'S OWN KNIGHT FRINGE-AREA ANTENNAS

Replace Your Weather-Worn Antenna Now



ONLY
$21^23
$2 down

Up to 150 Miles

★★★★

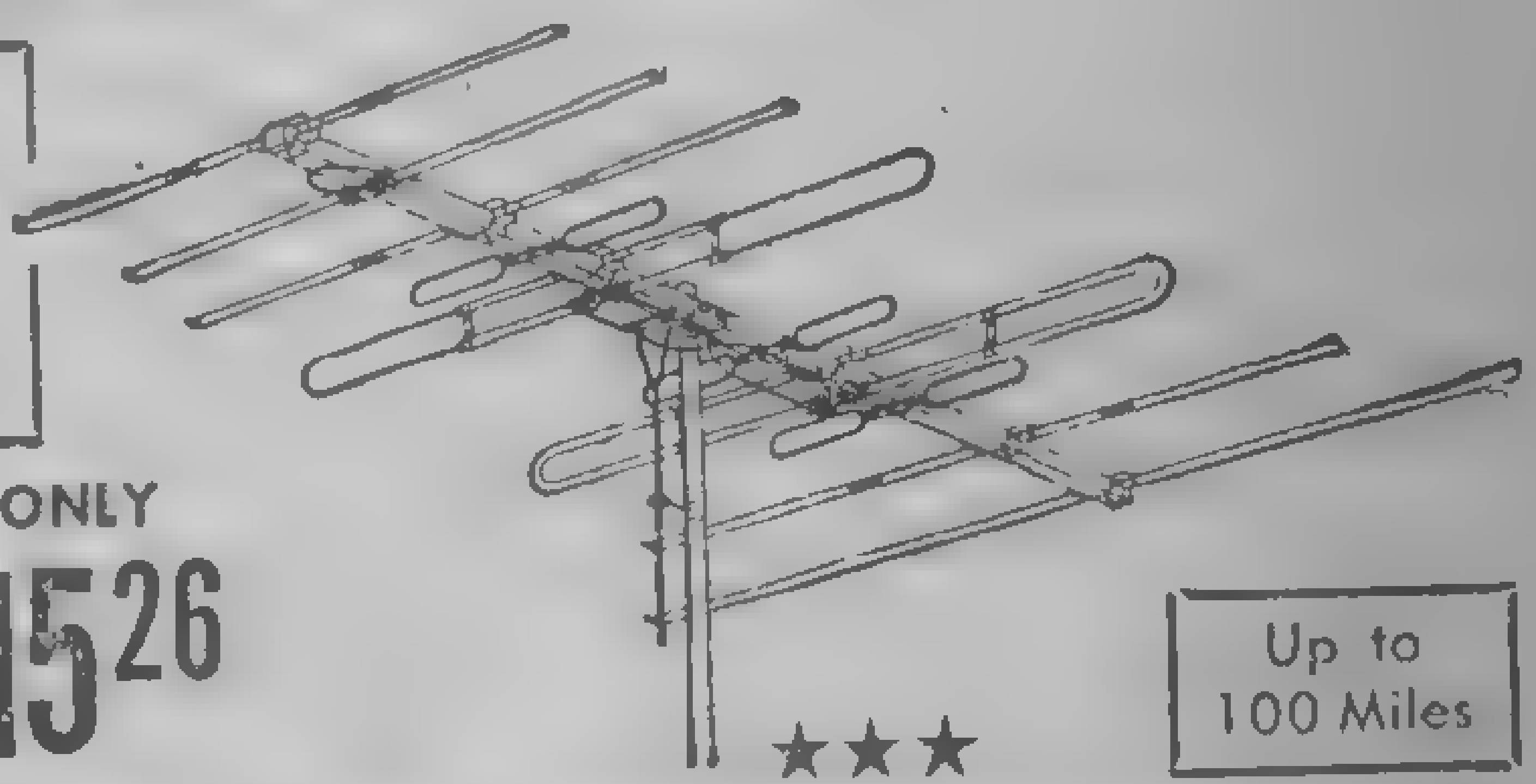
DEEP-FRINGE CORODIZED ANTENNA

- 24 Elements Provide High Sensitivity
- For Color As Well As Black and White

High-gain, twin-driven VHF antenna; equals or surpasses performance of many higher-priced arrays. Offers extremely high sensitivity on channels 2 to 13. All-aluminum construction with gold corodized finish resists corrosion. Sag-proof construction features a heavy-duty square boom suspended from sturdy braces. "Snap out" assembly for easy installation. Less mast and 300-ohm lead. 8½ lbs. *By express or truck.*
91 CZ 331. NET 21.23

★★★★ DEEP-FRINGE NON-CORODIZED ANTENNA

As above, but not corodized. Shpg. wt., 8½ lbs.
91 CZ 332. NET 18.70



ONLY
$15^26

★★★

Up to 100 Miles

FRINGE-AREA CORODIZED ANTENNA

- 17 Elements Provide High Signal Gain
- Designed for Color and Black and White

Superior fringe-area reception is obtained from this twin-driven, high-gain VHF antenna. Equals or surpasses many higher-priced antennas in performance. Multiple directors and dual reflectors for high front-to-back ratio. Gold corodized finish prevents corrosion and maintains top antenna efficiency. Simple, "snap-out" assembly. Less mast and 300-ohm twin line. Shpg. wt., 7 lbs. *By express or truck.*
91 CU 333. NET.. ....15.26

★★★ FRINGE-AREA NON-CORODIZED ANTENNA

Same as above, but not corodized. Wt., 7 lbs.
91 CU 334. NET..............................14.02

STACKING KITS FOR ANTENNAS LISTED ABOVE

GOLD-CORODIZED TYPE. For stacking two corodized antennas for greater gain. Shpg. wt., ½ lb.
91 CX 335. NET 1.47

NON-CORODIZED TYPE. For stacking two non-corodized antennas for greater gain. Shpg. wt., ½ lb.
91 CX 336. NET.....:............................1.18

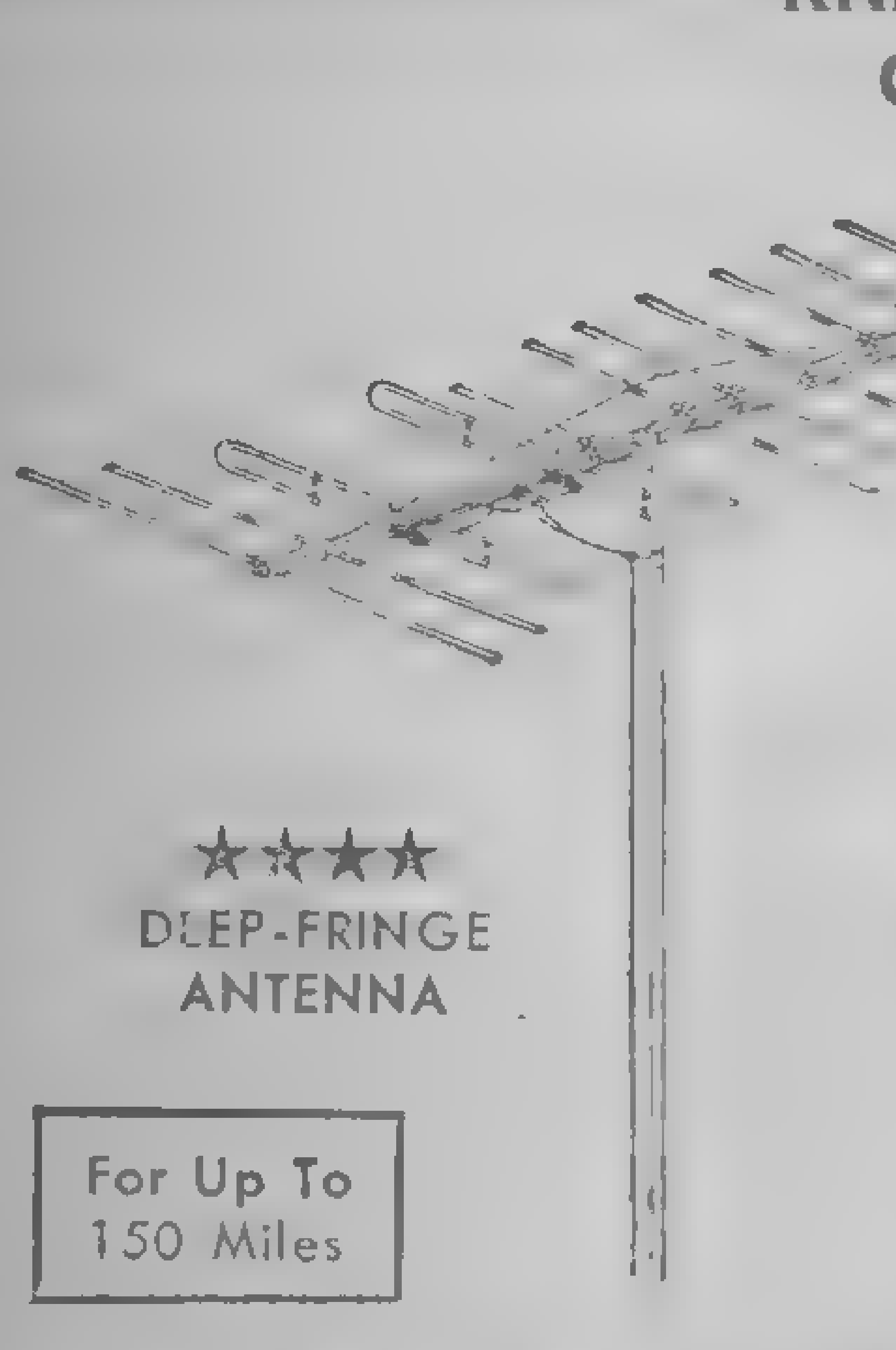
USE ALLIED'S
EASY PAY PLAN
SEE PAGE 436

DELUXE FRINGE ANTENNAS (TO 150 MILES)

- Quick and Easy Installation
- For Color or Black and White
- Choice of 20, 30 or 40-ft. Mast
- Complete with All Hardware
- With Detailed Instructions
- Top Quality Throughout

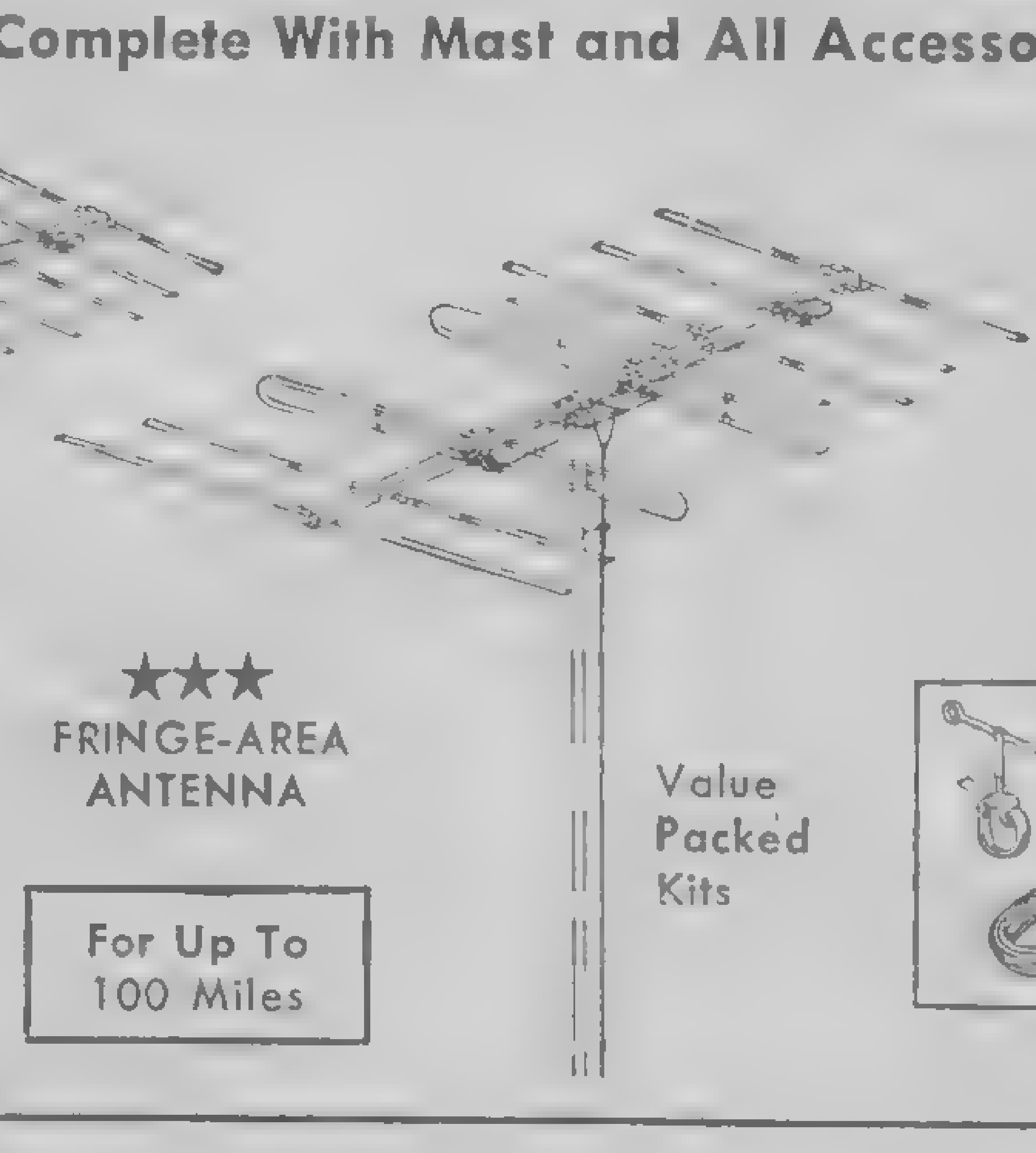
KNIGHT 4-STAR AND 3-STAR ANTENNA KITS

Complete With Mast and All Accessories



★★★★
DEEP-FRINGE
ANTENNA

For Up To
150 Miles



★★★
FRINGE-AREA
ANTENNA

For Up To
100 Miles

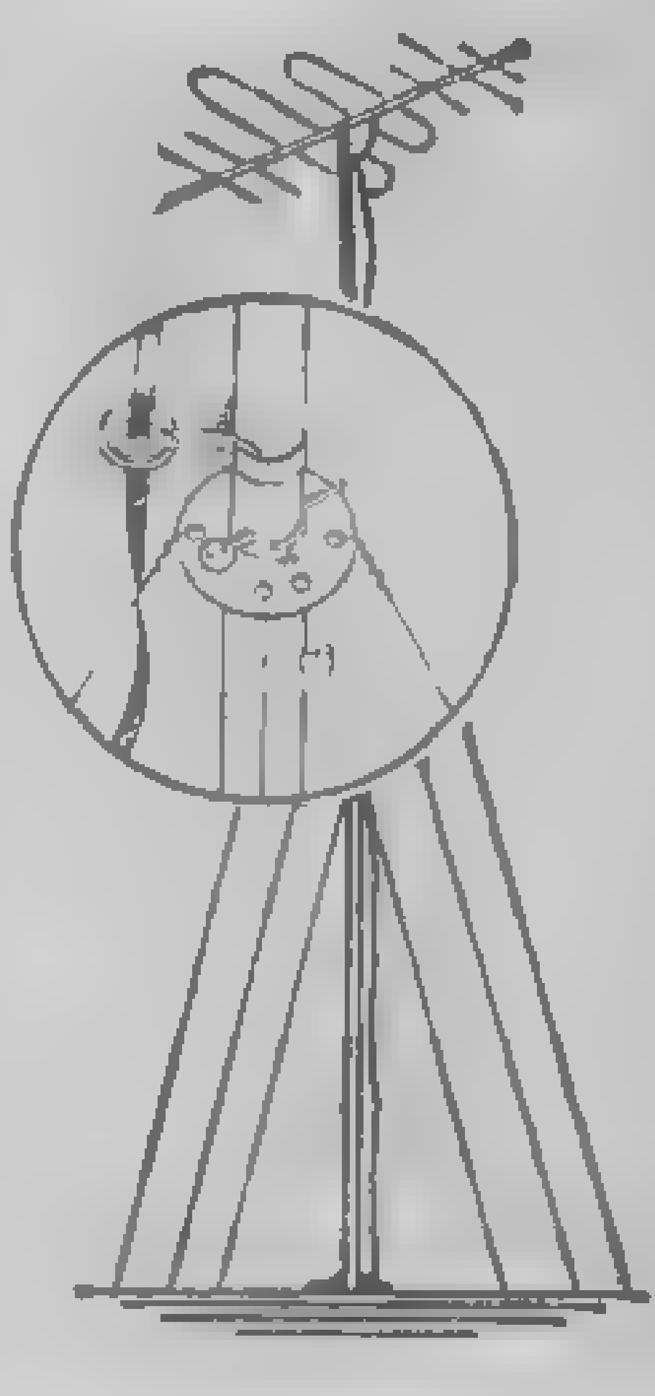
Value
Packed
Kits

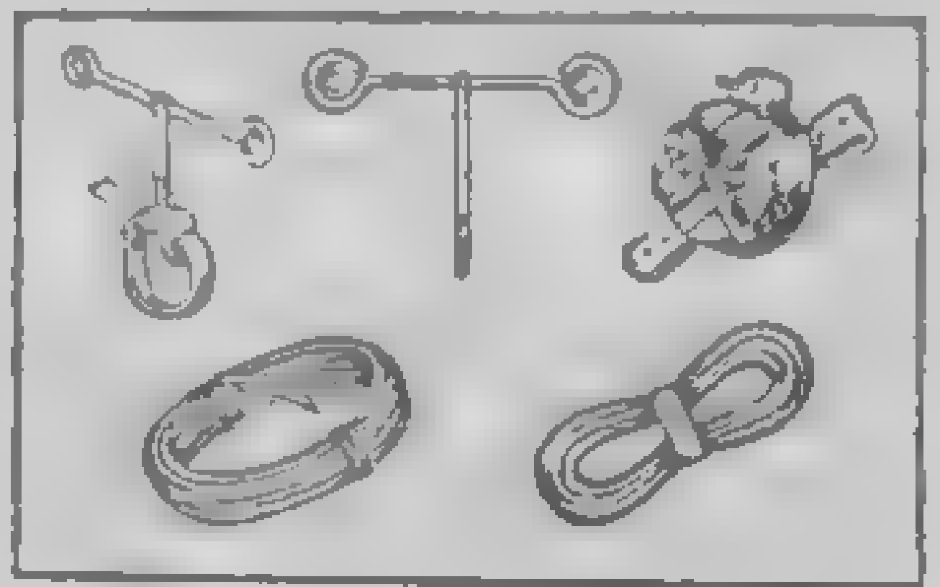
Each kit includes:

All Wire and
Hardware

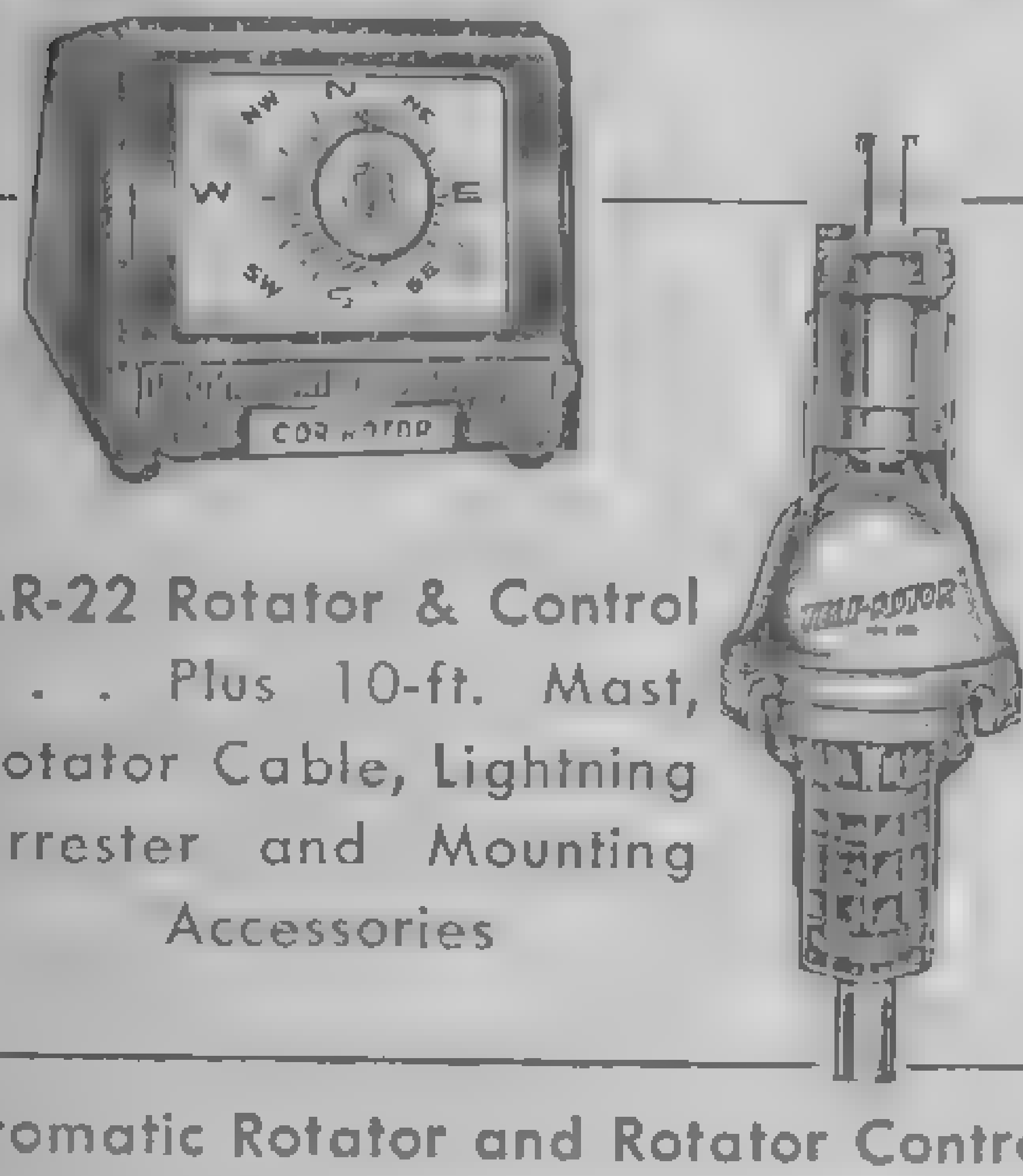
Easy-Locking
"Slip Up"
Mast

All Installation
Accessories





OPTIONAL ROTATOR PACKAGE



AR-22 Rotator & Control
. . . Plus 10-ft. Mast,
Rotator Cable, Lightning
Arrester and Mounting
Accessories

Automatic Rotator and Rotator Control

Get the finest TV reception—at big savings, too. Package prices are actually less than the total cost of components purchased separately. These value-packed kits meet practically any TV antenna requirement.

CHOICE OF PACKAGES. Kits for "Semi-Fringe," "Fringe," and "Deep-Fringe" areas are listed with a choice of 20, 30 or 40-foot masts. The distance to TV stations determines which antenna to use, and local terrain (hills, trees, tall buildings, etc.) determines mast height. Rotator permits pointing antenna in any direction for excellent reception of any station.

All kits are complete with rugged, weather-resistant antenna; telescoping mast of heavy, galvanized steel; all-angle mast mount; guy wire; 100 ft. of twin line; 50 ft. of ground wire; ground rod; twin-line lightning arrester; guy wire hook-eyes; mast standoff insulators; woodscrew standoff insulators (plus 6 turnbuckles in 40-ft. antenna kits). **Kits with rotator also include 10-ft. antenna mast; 100 ft. of rotator cable; and rotator cable lightning arrester.** Complete instructions with each kit. Rotators are for 110-120 v., 60 cycle AC. Shipped by truck or express only.

★★★★DEEP-FRINGE ANTENNA KITS

KIT C-20. Complete deep-fringe antenna kit with all installation accessories. Kit includes: Knight 4-Star gold-corodized antenna for clear, snow-free pictures on channels 2 to 13, even in the most difficult deep-fringe areas; two-section, 20-ft. heavy-gauge steel, telescoping mast; heavy-duty, fully-automatic CDR Model AR-22 rotator (for mast, tower or platform mounting); and all installation accessories. Shpg. wt., 55 lbs.
91 CZ 383. *Only $5 Down.* **NET**..................**71.60**

KIT C-20-L. As above, less rotator package. 31 lbs.
91 CZ 384. *Only $2 Down.* **NET**..................**32.60**

KIT C-30. Same as Kit C-20, but with 30-foot mast. Shpg. wt., 71 lbs.
91 CZ 385. *Only $5 Down.* **NET**..................**75.67**

KIT C-30-L. As above, less rotator package. 47 lbs.
91 CZ 386. *Only $2 Down.* **NET**..................**36.16**

KIT C-40. Same as Kit C-20, but with 40-foot mast. Shpg. wt., 82 lbs.
91 CZ 387. *Only $5 Down.* **NET**..................**81.09**

KIT C-40-L. As above, less rotator package. 58 lbs.
91 CZ 388. *Only $2 Down.* **NET**..................**41.61**

★★★FRINGE ANTENNA KITS

KIT B-20. Complete fringe area antenna kit with all installation accessories. Kit includes: Knight 3-Star gold-corodized antenna for outstanding performance and peak reception of pictures and sound on channels 2 to 13, even in difficult fringe areas; two-section, 20-foot telescoping mast of rugged steel; heavy-duty, fully-automatic CDR Model AR-22 rotator; and all installation accessories. Shpg. wt., 50 lbs.
91 CZ 389. *Only $5 Down.* **NET**..................**65.63**

KIT B-20-L. As above, less rotator package. 26 lbs.
91 CZ 390. *Only $2 Down.* **NET**..................**26.63**

KIT B-30. Same as Kit B-20, but with 30-foot mast. Shpg. wt., 66 lbs.
91 CZ 391. *Only $5 Down.* **NET**..................**69.60**

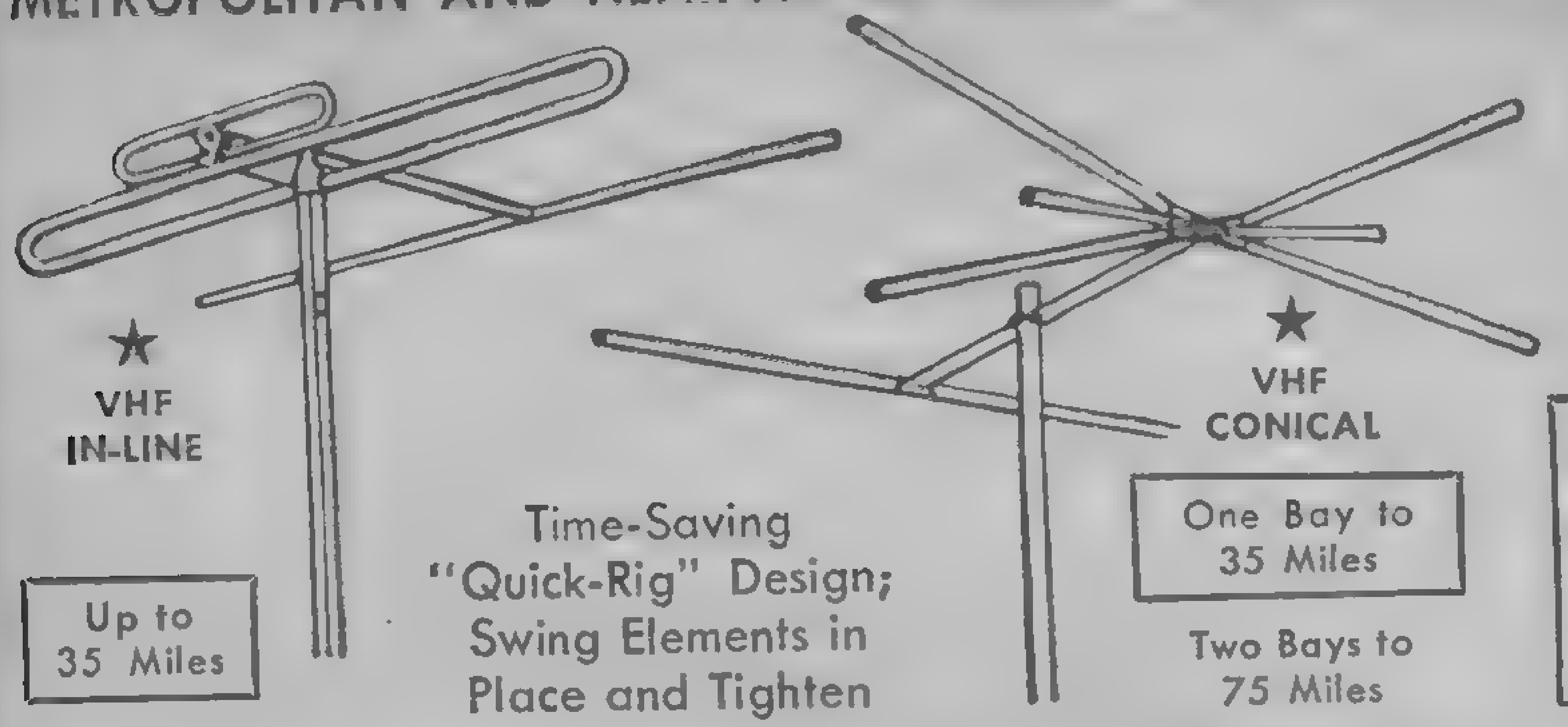
KIT B-30-L. As above, less rotator package. 42 lbs.
91 CZ 392. *Only $2 Down.* **NET**..................**30.19**

KIT B-40. Same as Kit B-20, but with 40-foot mast. Shpg. wt., 77 lbs.
91 CZ 393. *Only $5 Down.* **NET**..................**74.52**

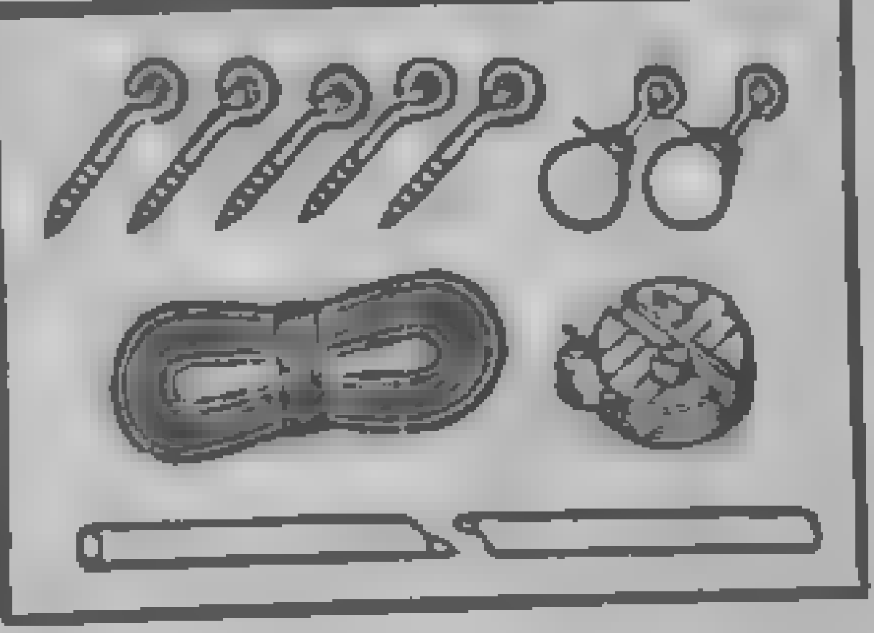
KIT B-40-L. As above, less rotator package. 53 lbs.
91 CZ 394. *Only $2 Down.* **NET**..................**35.04**

TV Antenna Kits

METROPOLITAN AND NEAR-FRINGE ANTENNAS (TO 75 MILES)



FOR CHIMNEY, ATTIC OR ROOF MOUNTING



GOLD ANODIZED IN-LINE ANTENNA KITS

- Resist Corrosion and Rust
- Rugged ½" Aluminum Tubing
- Quickly, Easily Installed

★ IN-LINE KIT WITH CHIMNEY MOUNT

NET $9.37 Complete VHF antenna kit at a low, money-saving price. Time-proven in-line design provides sharp, clear pictures on channels 2 through 13. Elements are constructed of rugged, anodized ½" aluminum tubing. Gold anodizing resists highly corrosive chimney smoke, soot and ravages of weather. Kit includes: antenna assembly; 5' steel mast; 50' of 300-ohm twin line; 5 screw-in standoffs; lightning arrester; 2 mast standoffs; straps and clamps for chimney mounting. Shpg. wt., 10 lbs.
91 CX 326. NET.............. 9.37

★ IN-LINE KIT WITH ROOF MOUNT

Same as above, but with universal-angle roof mount. Wt., 10 lbs.
91 CX 327. NET..............8.98

★ IN-LINE ANTENNA ONLY

Same gold anodized antenna as 91 CX 327 above, less accessories. Shpg. wt., 5 lbs.
91 CX 328. NET..............5.84

STANDARD IN-LINE ANTENNA KITS

★ IN-LINE KIT WITH CHIMNEY MOUNT

Complete VHF antenna kit with chimney mount and accessories listed with 91 CX 326 above, but without gold anodizing. Wt., 10 lbs.
92 CX 045. NET..............7.99

★ IN-LINE KIT WITH ROOF MOUNT

As above, but with universal-angle roof mount. Other accessories included. Shpg. wt., 9 lbs.
92 CX 041. NET... ....7.21

★ IN-LINE ANTENNA ONLY

Above antenna; less accessories. Shpg. wt., 5 lbs.
92 CX 042. NET..............4.19

CONICAL ANTENNA KITS

- "Quick-Rig" Installation
- Highly Efficient Reception On All VHF TV Channels
- Rugged, Trouble-Free Design

★ SINGLE-BAY CONICAL KIT WITH CHIMNEY MOUNT

NET $6.96 Value-packed antenna kit for excellent reception on all VHF TV channels. Ruggedly designed elements of ⅜" aluminum tubing. Kit includes: conical antenna; sturdy 5' steel mast; 50' of 300-ohm twin line; 2 mast standoff insulators; 4 screw-in standoff insulators; lightning arrester; straps and clamps for chimney mounting. Everything necessary for a complete, first-class TV antenna installation is included at one low price. Wt., 7 lbs.
92 CX 174. NET..............6.96

★ SINGLE-BAY CONICAL KIT WITH ROOF MOUNT

As above, but with universal-angle roof mount. Shpg. wt., 6 lbs.
92 CX 135. NET..............6.27

★★ TWO-BAY CONICAL KIT WITH CHIMNEY MOUNT

Same as 92 CX 174, but 2-bay array, for excellent near-fringe VHF TV reception. With 10' mast. 10 lbs.
92 CX 173. NET..............9.54

★★ TWO-BAY CONICAL KIT WITH ROOF MOUNT

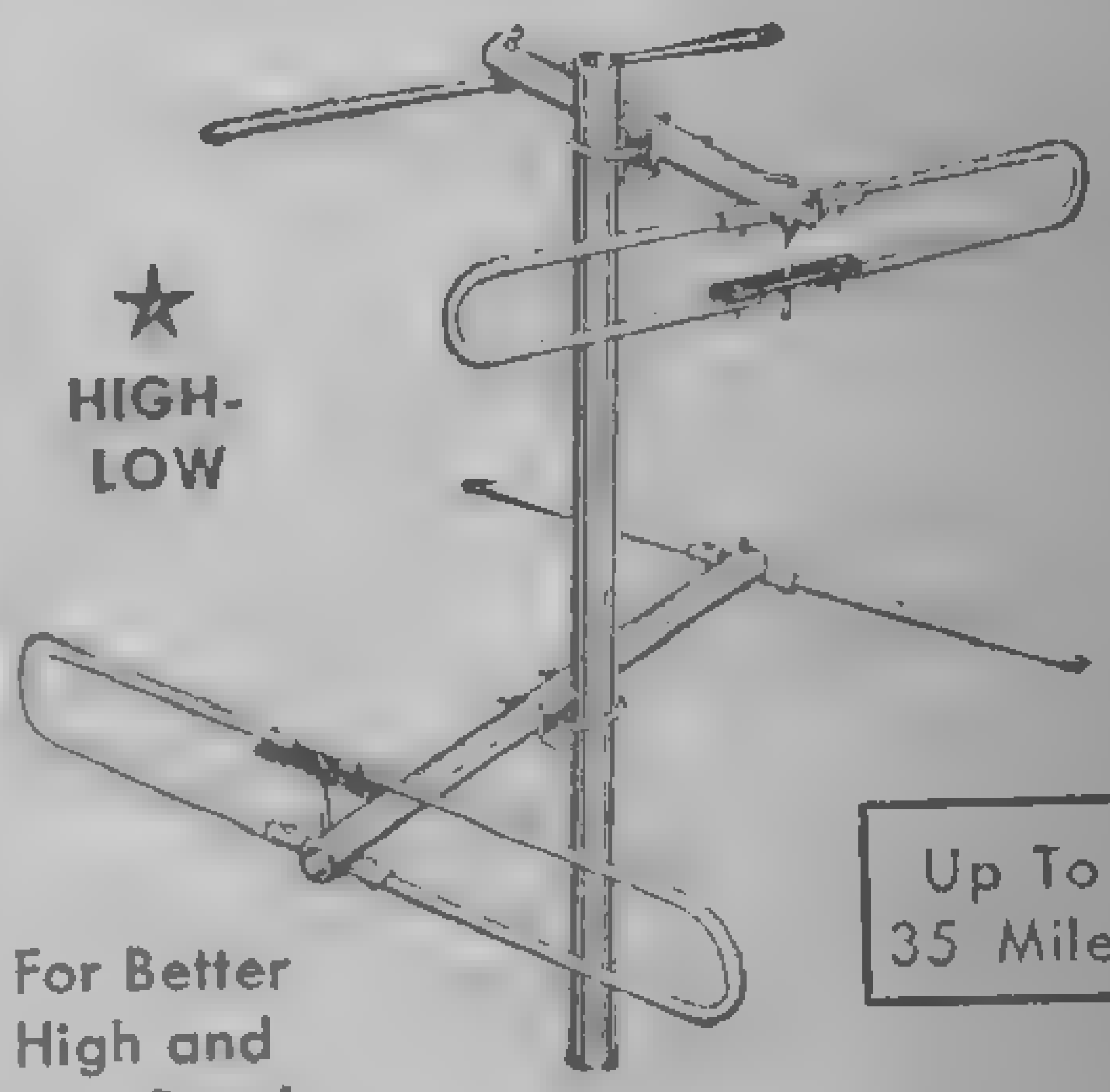
As above, but with universal-angle roof mount. Shpg. wt., 9 lbs.
92 CX 133. NET..............8.58

★ SINGLE-BAY ANTENNA ONLY

Above antenna; less accessories. Shpg. wt., 3 lbs.
92 CX 136. NET..............2.66

STACKING KIT. To stack 2 single-bay conicals into 2-bay array. 8 oz.
97 CX 389. NET..............64c

STACKING KIT. To stack two 2-bay conicals into 4-bay array. Shpg. wt., 1¼ lbs.
97 CX 387. NET..............1.55



For Better High and Low-Band Reception

HIGH-LOW ANTENNA KITS

- Highly-Efficient 2-Band Design
- Receptors "Aim" Separately—Give Best Signal on Each Band
- Mounting Hardware Included

★ HIGH-LOW ANTENNA KIT WITH CHIMNEY MOUNT

NET $7.95 A highly efficient two-band VHF antenna kit, at a remarkably low price. Separate directional adjustments permit "aiming" high and low-band elements individually. Gives peak performance and minimum "ghosts" in areas where high and low-band signals come from different directions. Elements are ½" aluminum tubing. Kit includes: antenna; 5' steel mast; 5 screw-in standoffs; 2 mast standoffs; 50' of 300-ohm twin line; lightning arrester; all chimney mounting hardware. Shpg. wt., 10 lbs.
92 CX 048. NET..............7.95

★ HIGH-LOW ANTENNA KIT WITH ROOF MOUNT

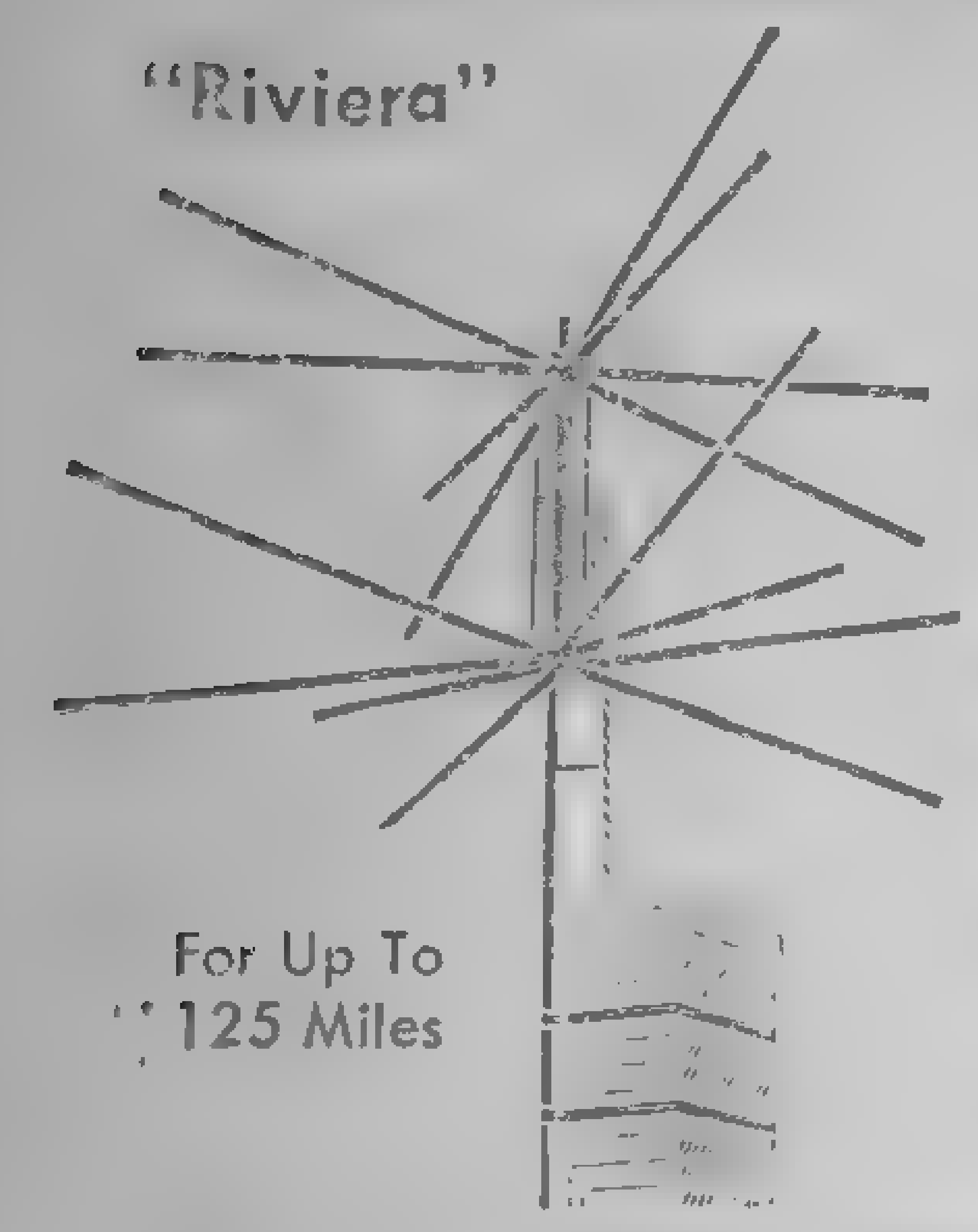
Same as above, but with universal-angle roof mount. Wt., 9 lbs.
92 CX 047. NET..............6.92

★ HIGH-LOW ANTENNA ONLY

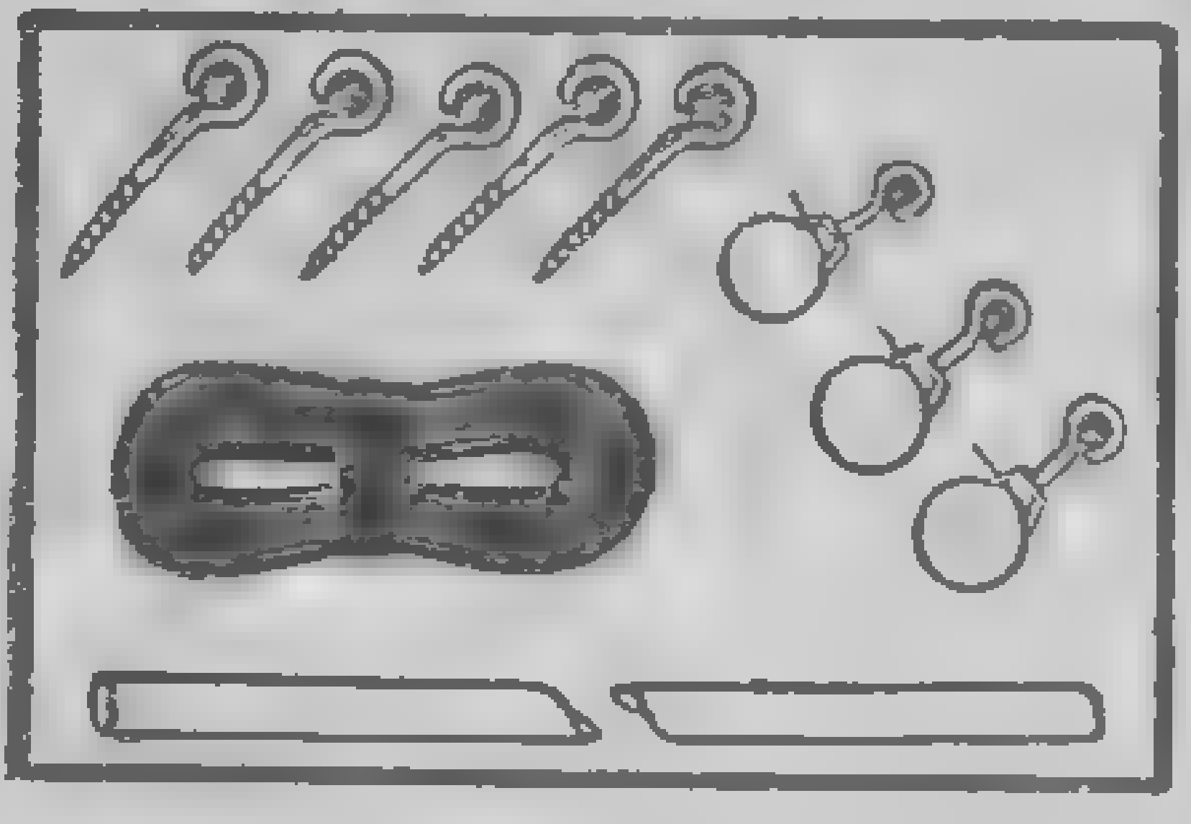
Above antenna; less accessories. Shpg. wt., 5 lbs.
92 CX 016. NET..............4.19

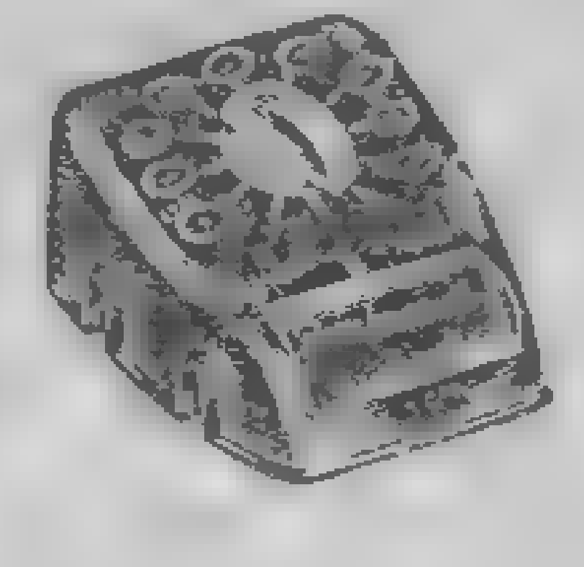
Famous-Name TV Antennas

ALL-CHANNEL "REMBRANDT" ANTENNA KITS



Accessories Supplied with "Riviera" Antenna Kit





12-Position Switch selects proper antenna elements to get clearest picture from any direction—without rotator.

- Feature All-Direction Electronic Rotation
- Powerful Reception From Any Direction

★★★★ "RIVIERA" VHF KIT

NET

$32⁹²

$2 down

All-directional, 2-bay antenna with accessories. 16—60" elements for excellent deep fringe reception. 12-position switch mounts at TV set—selects proper elements for best reception from any direction, without rotator. Durable aluminum construction with 4—45" stacking bars. Elements are preassembled—simply fold out for quick installation. Accessories include 2—5-foot masts; 100 feet of 4-conductor lead-in; 3 mast insulators; 5 wall insulators; chimney mount. ½"-dia. diamond-embossedelements. Shpg. wt., 15lbs.

92 CU 137. *$2 Down.* NET.......**32.92**

"RIVIERA" ANTENNA AND SWITCH. As above, but less installation accessories. 10 lbs.

98 CU 495. *$2 Down.* NET........**19.85**

WIRE FOR "RIVIERA." 4-conductor lead-in wire. Shpg. wt. 100 ft., 2 lbs.

47 TX 589. 100-ft. Coil. NET.........**8.90**
47 W 599. Over 100 ft., PER 100 FT..**8.90**

★★★ DOUBLE-BAY "ATLAS" KIT

NET

$22⁴⁵

$2 down

UP TO 85 MILES. "Atlas" near-fringe antenna with 8—45" flip-out elements (preassembled) in each of 2 bays, 4—45" stacking bars. With same 12-position selector switch as "Riviera" described at left. Has ½"-dia. elements; diamond-embossed for extremely efficient signal pickup. Includes 70 feet of flat transmission line lugged and wired to antenna, 2—5-foot mast sections, 4 standoff insulators, 4" wall-mount brackets. Shpg. wt., 14 lbs.

91 CU 337. *$2 Down.* NET.......**22.45**

★★ SINGLE-BAY "ATLAS" KIT

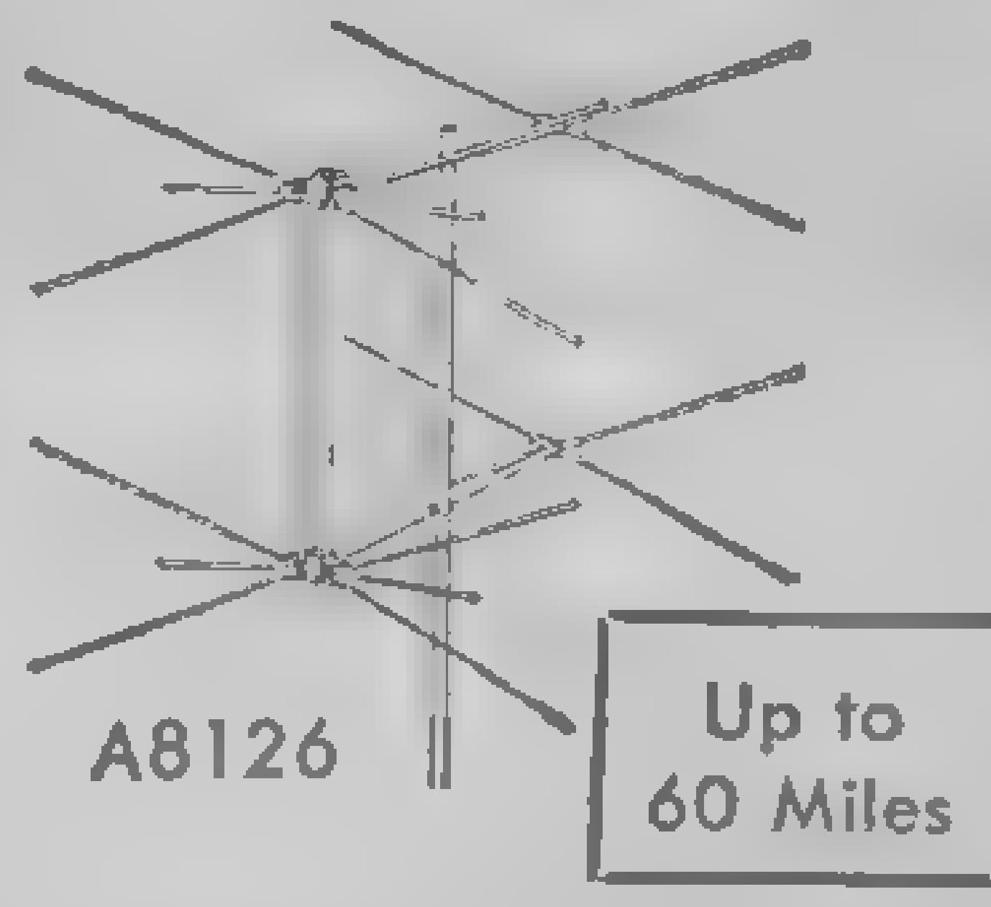
NET

$14⁹⁵

UP TO 60 MILES. For metropolitan and suburban areas. As above, but single 8-element array. With 12-position switch, 70-foot lead-in, 4 standoffs, mast, 4" wall-mount brackets. Shpg. wt., 8½ lbs.

71 CU 672. NET.................**14.95**

TELCO "IMPERIAL" VHF TV ANTENNAS



Barrier Disc Insulator

★★ MODEL A8126. Extremely popular "Imperial" 2-bay VHF conical antenna for all TV channels. Advanced design provides very high gain on all channels in fringe and high signal strength areas under all kinds of weather conditions. Has excellent directivity and sensitivity—provides unusually clear picture reception. Employs weather-proofed terminal structure.

The "Imperial" can be used in sea coast or heavy industrial areas. Features a barrier disc type insulator with 2" of air space between the terminals. Salt, moisture, soot, corrosion, etc., will not affect the gain or picture quality. Contact surfaces and terminals will never rust or oxidize. Stainless steel, front-end hardware prevents signal losses through corrosion.

Front-end elements are pre-assembled to holding plates which fasten to insulator with one wing nut. Just fold elements in place and fasten wing nut. Less twin line and mast. Shpg. wt., 8 lbs.

98 CU 404. NET..................**10.73**

★ MODEL A8124—40 MILES. Same as above, but single-bay. Shpg. wt., 4 lbs.

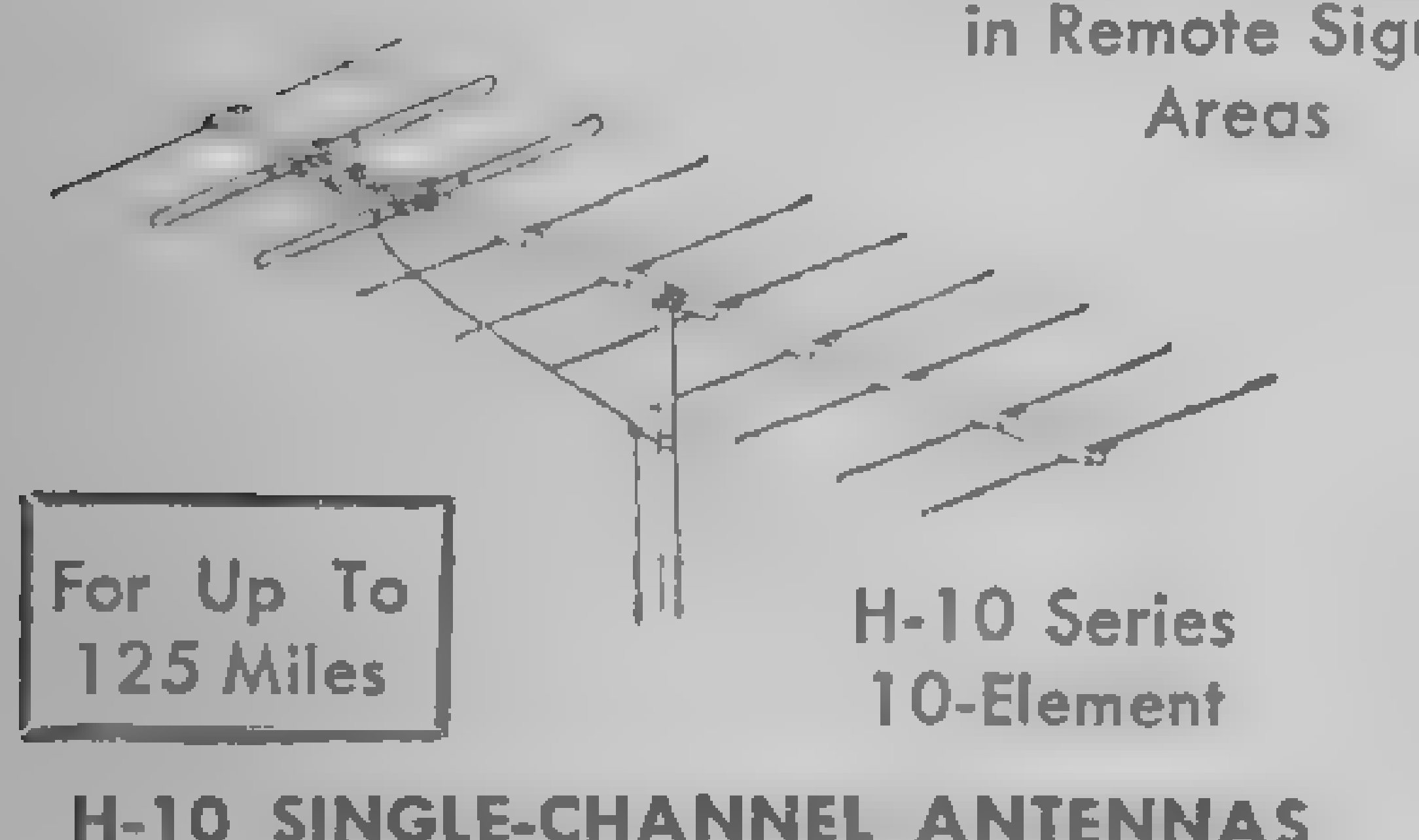
98 CU 405. NET..................**5.06**

STACKING KITS. For stacking 4060-F single-bay antennas. Av. shpg. wt., 1 lb.

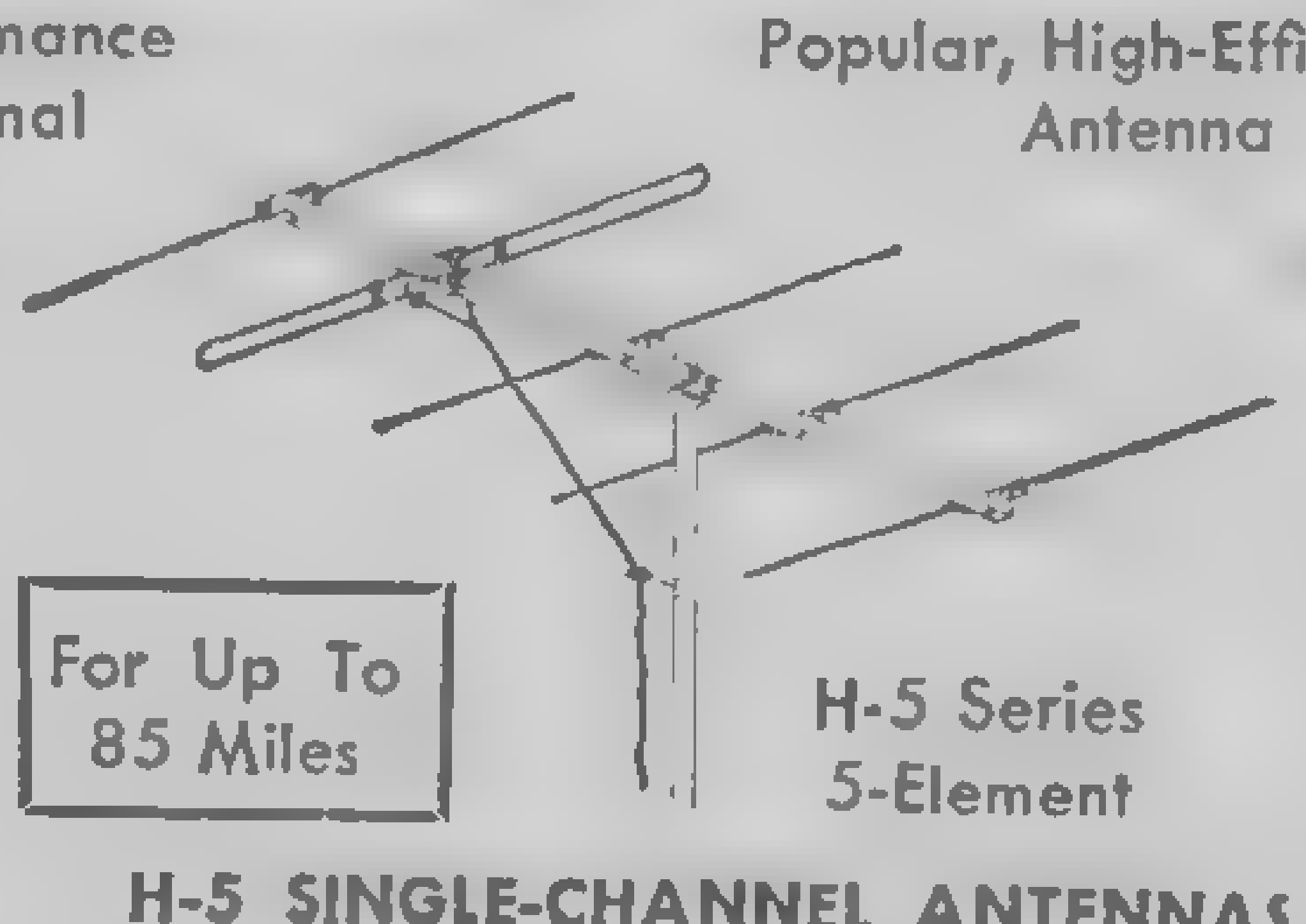
Stock No.	Model No.	Description	NET EACH
98 CX 406	A8126-1	For 2-bay	.88
98 CX 407	A8127-1	For 4-bay	3.29

FINNEY "GEOMATIC" FRINGE AREA TV ANTENNAS

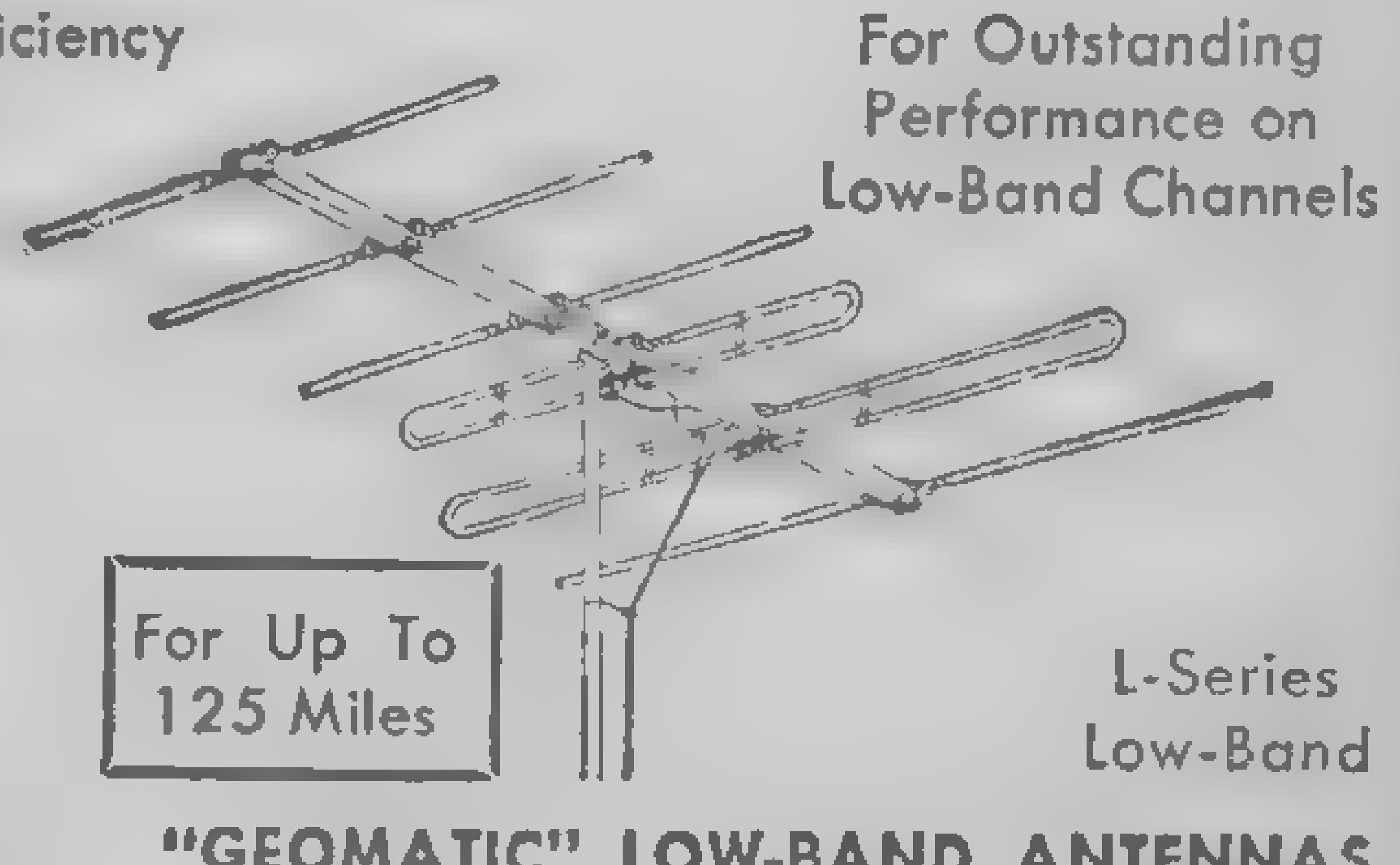
For Peak Performance in Remote Signal Areas



Popular, High-Efficiency Antenna



For Outstanding Performance on Low-Band Channels



H-10 SINGLE-CHANNEL ANTENNAS

★★★★Customized 10-element yagi "Geomatic" VHF TV antennas. Provide maximum gain, sharp directivity, and high front-to-back ratio in deep fringe areas. Have solid-rod construction for up to 300% greater wind and ice-load resistance. Preassembled; "box girder" brackets; heavy, square aluminum boom; solid aluminum elements, and saddle brackets. Less mast and 300-ohm line. Av. shpg. wt., 4¼ lbs.

Stock No.	Model	For
92 CU 552	H-10-7	Channel 7
92 CU 553	H-10-8	Channel 8
92 CU 554	H-10-9	Channel 9
92 CU 555	H-10-10	Channel 10
92 CU 556	H-10-11	Channel 11
92 CU 557	H-10-12	Channel 12
92 CU 558	H-10-13	Channel 13

List, $9.95. NET EACH.............**5.85**

★★★★ MODEL H-10-713. Similar to above, but covers channels 7-13. 4⅜ lbs.

92 CU 559. List, $12.95. NET.......**7.61**

H-5 SINGLE-CHANNEL ANTENNAS

★★★Popular, 5-element, high-band VHF antennas. Have famous "Geomatic" design for high gain and clean directivity. Same superior construction as Series H-10; feature solid-rod aluminum construction. Less mast and twin line. Av. shpg. wt., 2½ lbs.

Stock No.	Model	For
92 CX 560	H-5-7	Channel 7
92 CX 561	H-5-8	Channel 8
92 CX 562	H-5-9	Channel 9
92 CX 563	H-5-10	Channel 10
92 CX 564	H-5-11	Channel 11
92 CX 565	H-5-12	Channel 12
92 CX 566	H-5-13	Channel 13

List, $6.65. NET EACH..............**3.91**

★★★ MODEL H-6-713. Twin-driven 6-element yagi. Similar to above, but covers channels 7-13. 2¾ lbs.

92 CX 567. List, $8.75. NET........**5.14**

MODEL A STACKING KIT. For all Finney Series H-5 and H-10 antennas. 8 oz.

92 C 086. List, $2.10. NET.........**1.23**

"GEOMATIC" LOW-BAND ANTENNAS

★★★★ "Customized" Series L "Geomatic" television antennas for outstanding "deep fringe" reception on the low-band channels. Model L-26 covers the entire low band; all others cover specific portions.

Have high gain, sharp directivity plus high front-to-back ratio. Pre-assembled.

May be stacked to achieve higher gain—see Model C Stacking Kit. Less mast and 300-ohm twin line. Av. shpg. wt., 8⅛ lbs.

Stock No.	Model	Channels
92 CZ 283	L-26	2-6
92 CZ 284	L-25	2-5
92 CZ 285	L-24	2-4
92 CZ 286	L-36	3-6
92 CZ 287	L-35	3-5
92 CZ 288	L-46	4-6
92 CZ 289	L-45	4 and 5

List, $24.90. NET EACH............**14.64**

MODEL C STACKING KIT. For Finney Series L antennas above. Shpg. wt., 1 lb.

92 CX 087. List, $3.10. NET........**1.82**

Finney Fringe-Area TV Antennas

NEW VHF BROAD-BAND TV ANTENNA KIT

Mounts on:

End of Roof

Side of Roof

Peak Roof

Flat Roof

For Up To 60 Miles

NET

$10¹¹

★★ **MODEL B-213KT—60 Miles.** A brand new, compact, twin-driven antenna with excellent gain on both low and high bands. Modern design provides performance rivalling that of more costly stacked conicals and many yagi-type antennas. "Fidelity-Phasing" assures remarkable reception on both color and black and white. Has extremely narrow pick-up pattern and very high front-to-back ratio. Features unique "Quad-Pod" universal mount for easy installation on any type of roof. All-aluminum pre-assembled construction. Reinforced sleeve elements on both directors and reflectors—withstands heavy icing. With mast and mount; less 300-ohm line. Shpg. wt., 5½ lbs.
91 CZ 395. List, $17.20. NET........**10.11**

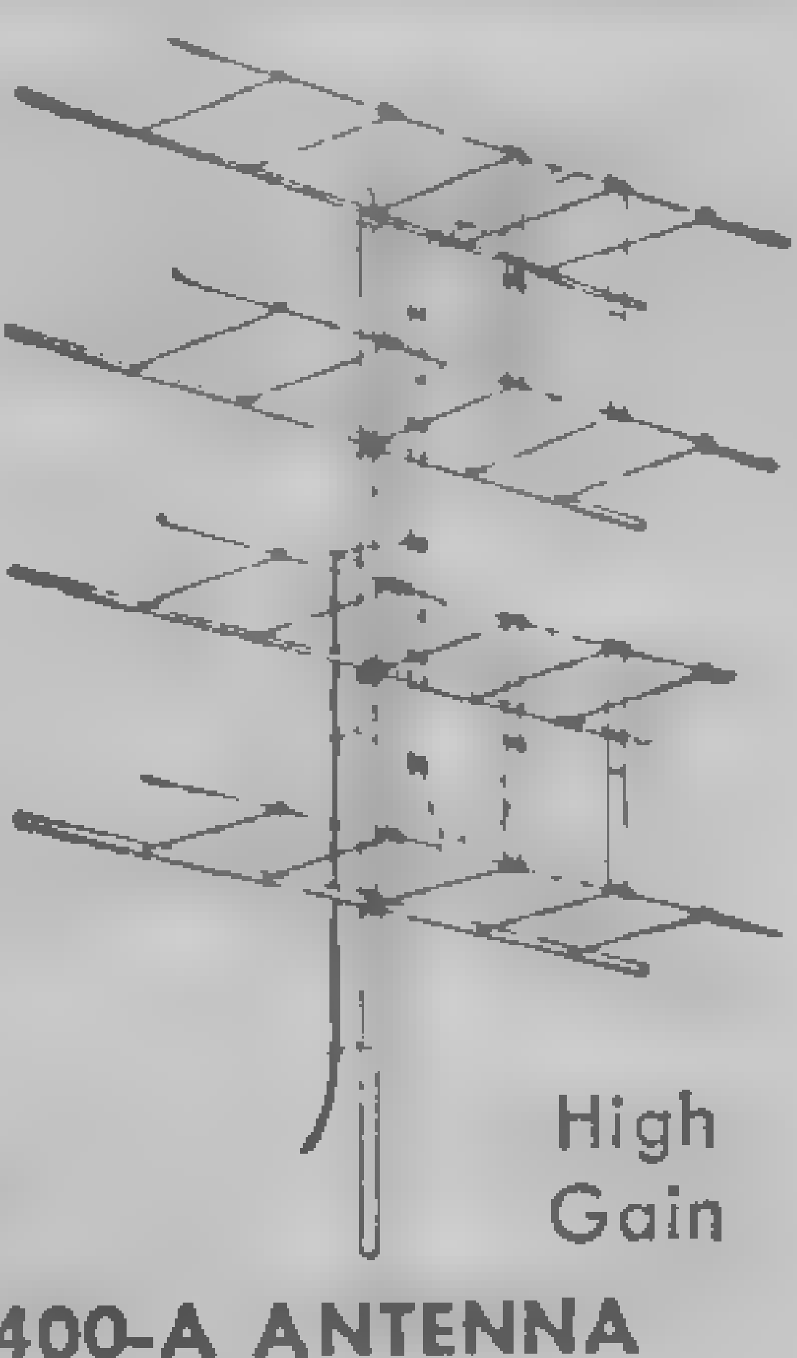
★★ **MODEL B-213—60 Miles.** As above, but less mast and universal mount. 4 lbs.
91 CZ 396. List, $11.85. NET........**6.97**

★★★ **MODEL B-213S—85 Miles.** Same as B-213KT but stacked for extra gain. 6 lbs.
91 CZ 397. List, $24.00. NET......**14.11**

Antennas and Accessories are Available on Allied's Easy Pay Plan.

CO-LATERAL UHF-VHF ANTENNA

Pre-Assembled Antenna For All Channels



For Up To 125 Miles

NET

$25⁶⁷

$2 down

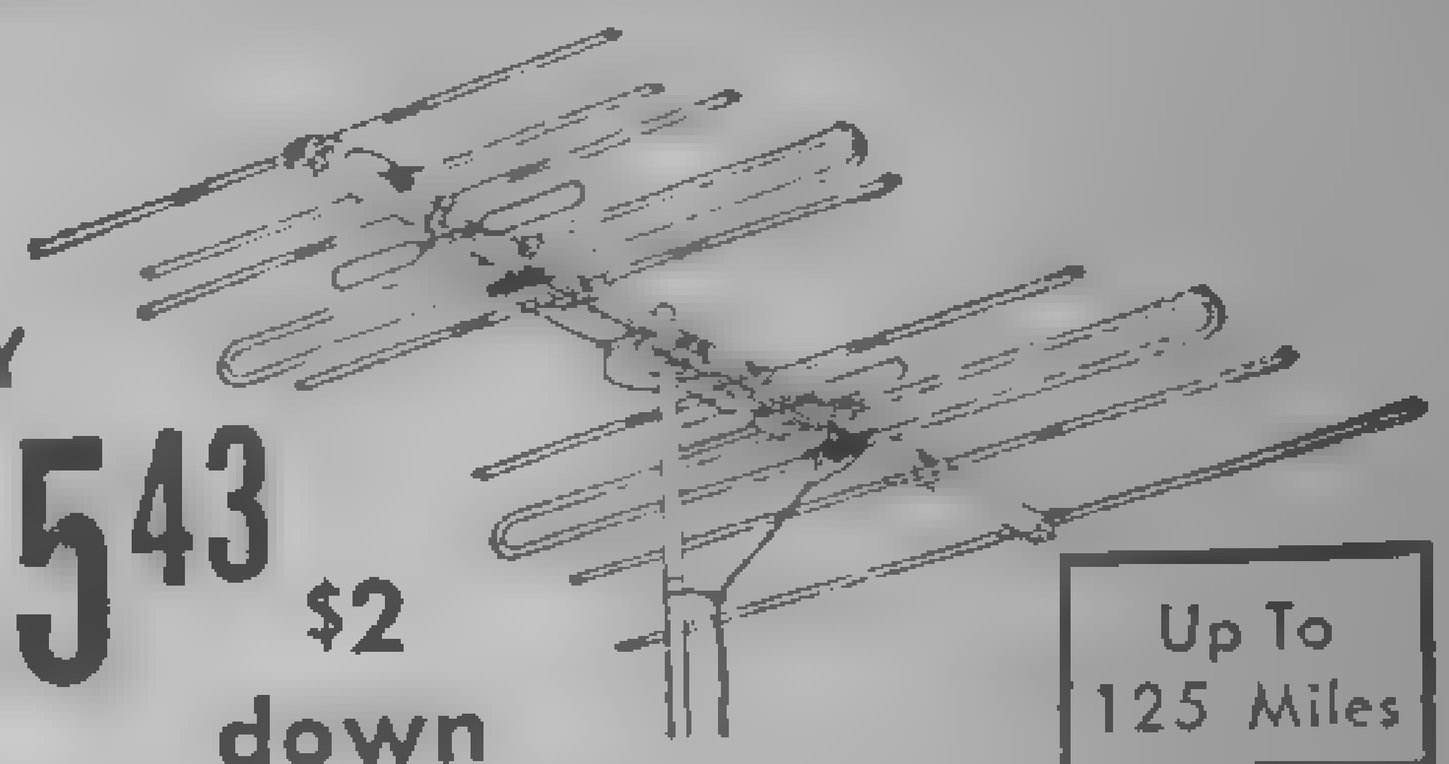
High Gain

MODEL 400-A ANTENNA

★★★★**—125 Miles.** A deep-fringe double co-lateral antenna for outstanding reception on all UHF and VHF TV channels. 32 driven elements achieve extremely high gain, directivity and signal-to-noise ratio. Permits excellent reception on VHF channels at distances of 125 miles and more. Lightweight construction—weighs only 8 lbs. Element brackets self-locking and self-aligning. Rugged all-aluminum construction and stainless steel hardware to withstand high winds and heavy icing. Ideal for use with rotators. Only one lead-in required for both UHF and VHF (tubular type recommended). Requires 10 ft. (minimum) mast. Less mast and 300-ohm line. Shpg. wt., 12 lbs. *Shipped by express or truck only.* **$2 Down.**
97 CZ 104. List, $43.65. NET.....**25.67**

TWIN-DRIVEN "GEOMATIC" VHF ANTENNAS

- **High Front-to-Back Ratio From 2-13**
- **Pre-Assembled for Easy Installation**
- **High Gain—Sharp Directivity**



ONLY

$25⁴³

$2 down

Up To 125 Miles

★★★★ **MODEL GB-8—125 Miles.** Gold-corodized, deluxe twin-driven "Geomatic" antenna—provides topnotch performance in deep-fringe areas. Gold-corodizing process lengthens life of antenna. Has 3 directors and 2 reflectors for maximum front-to-back ratio and extremely high directivity. Very effective in eliminating co-channel interference and ghosts. Ideally suited for color TV reception—has extremely flat response; less than 1 db variation across any channel. All "Geomatic" antennas have twin-driven elements and exclusive "Fidelity Phasing"; self-locking and self-aligning construction. Oversize, extra-heavy-gauge aluminum boom plus "lock-tite, no-tilt" saddle bracket assure fast installation and high strength. "Box girder" element brackets prevent bent, twisted elements. Less mast and twin line. Shpg. wt., 10 lbs. *Shipped by express or truck only.*
92 CZ 594. List, $43.25. NET..**25.43**

★★★★ **MODEL B-8—125 Miles.** Same as above, without gold corodizing. Shpg. wt., 10 lbs. *Express or truck.* **$2 Down.**
92 CZ 085. List, $39.00. NET..**22.93**

★★★★ **MODEL B-7—125 Miles.** Has same features as Model B-8 above, but with 1 reflector. Shpg. wt., 6½ lbs. *Shipped by express or truck only.*
92 CZ 093. List, $25.90. NET..**15.23**

★★★ **MODEL B-6—85 Miles.** Has same features as Model B-8 above, but has 1 reflector and 1 director. Shpg. wt., 5½ lbs. *Shipped by express or truck only.*
92 CU 094. List, $19.65. NET..**11.55**

SINGLE-DRIVEN "GEOMATICS"

All of the antennas listed below incorporate "fidelity-phasing" for extreme efficiency on both high and low VHF bands. Ruggedly constructed and completely pre-assembled. *Not mailable; shipped by express or truck only.*

★★★★ **MODEL B-5—125 Miles.** Super fringe antenna. Shpg. wt., 9½ lbs.
92 CZ 074. List, $33.25. NET......**19.55**

★★★ **MODEL B-4—85 Miles.** For fringe areas. Sharp directivity. 6 lbs.
92 CU 076. List, $18.20. NET......**10.70**

★★★ **MODEL B-3—85 Miles.** For suburban-fringe areas. Wt., 5 lbs.
92 CU 078. List, $14.00. NET......**8.23**

★★ **MODEL B-2—60 Miles.** Metropolitan, suburban semi-fringe. 3½ lbs.
92 CU 082. List, $7.65. NET.......**4.50**

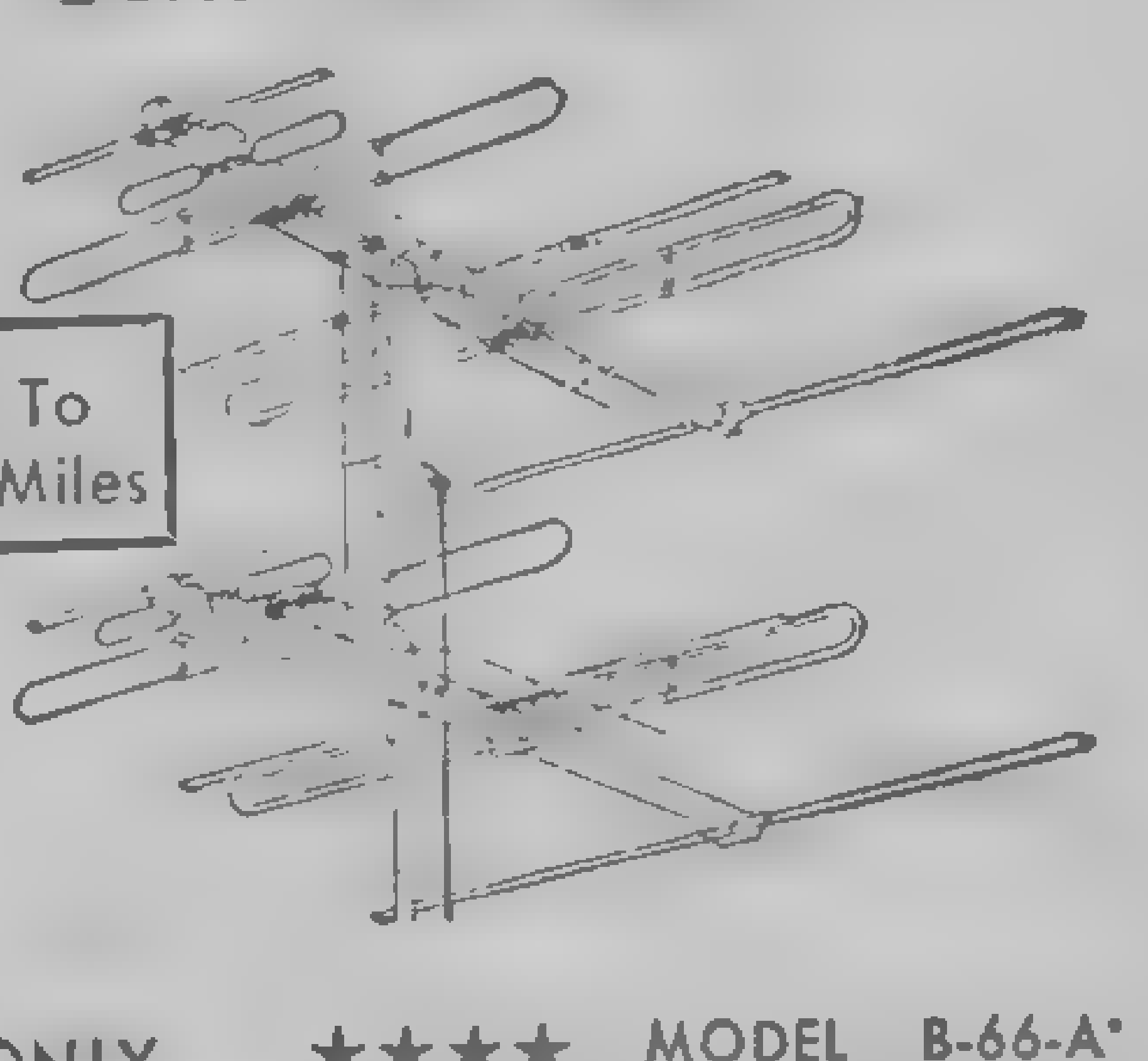
STACKING KITS

MODEL A. For stacking all Series B antennas above and at left. Gives increased gain on Chs. 4, 6-12 with Model B-4; Chs. 4-6, 8-13 with Model B-5; Chs. 3, 7-13 with Models B-6, B-7; Channels 7 through 13 on all other models. Shpg. wt., 8 oz.
92 C 086. List, $2.10. NET.........**1.23**

MODEL B. Stacks Models B-2, B-3, B-4, B-5. Boosts Chs. 2-6 with Model B-2; Chs. 2-6, 13 with Model B-3; Chs. 2-6, 12, 13 with Model B-4; Chs. 3-8, 13 with Model B-5. Shpg. wt., 12 oz.
92 CX 075. List, $2.60. NET........**1.53**

MODEL C. For stacking GB-8, B-8, B-7, or B-6 antennas. Gives increased gain on Chs. 2-6 with Model B-6; Chs. 2-6, 11-13 with Model B-7; Chs. 2-6, 10-13 with Models B-8 and GB-8. Shpg. wt., 1 lb.
92 CX 087. List, $3.10. NET........**1.82**

"GEOMATIC" TWIN-DRIVEN 2-BAY VHF ANTENNAS



Up To 125 Miles

ONLY

$24³⁴

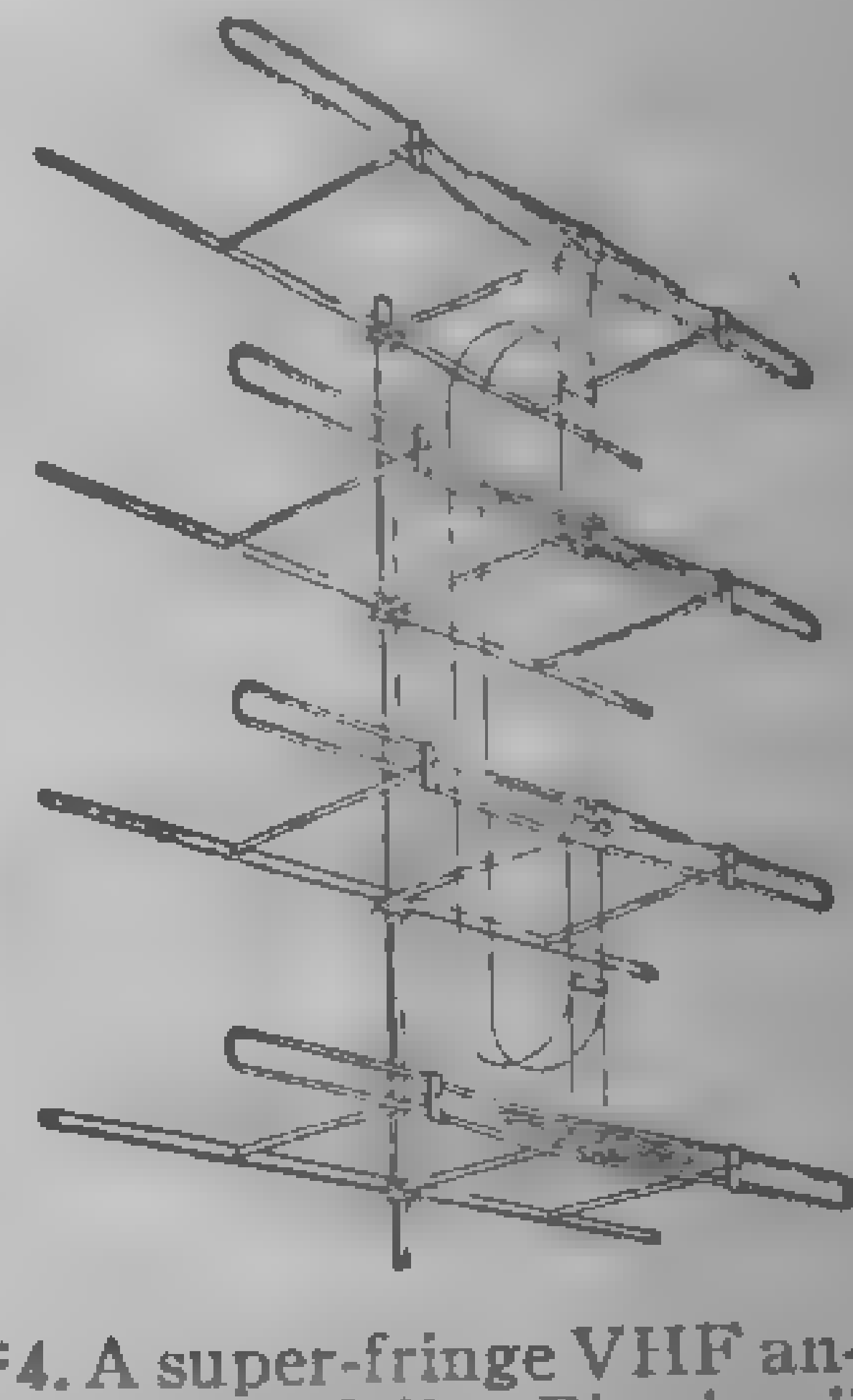
$2 down

★★★★ **MODEL B-66-A.** Deep fringe antenna featuring very great front-to-back ratio and high gain on all channels. "Fidelity Phasing" efficiently combines the low-band folded dipole operation and high-band 3-element colinear operation without complicated phasing harnesses. Low-band reflector, high-band colinear reflector and combination director further increase gain and sharpness of directivity. Completely preassembled. Less mast and twin line. Wt., 10 lbs. *Express or truck.*
92 CU 568. List, $41.40. NET....**24.34**

MODEL B-66-C. For maximum F/B ratio on channels 2 and 3, and maximum gain on 2-6. Wt., 10 lbs. *Express or truck.*
92 CU 569. List, $42.40. NET.... **24.93**

SUPER-FRINGE ANTENNA

"Fidelity Phasing" Design



Up To 125 Miles

NET

$28¹⁴

$2 down

★★★★ **MODEL F4.** A super-fringe VHF antenna with exclusive "Fidelity-Phasing." This antenna engineering discovery produces superior combined performance on all VHF channels from 2 through 13. Excellent reception even at locations extremely distant from TV stations. Highly suitable for color-TV reception—has very flat frequency response; less than 1 db variation in frequency response on any channel. 4 driven low-band, in-phase folded dipoles, plus 12 driven high-band, in-phase, folded dipoles form a highly effective colinear array.

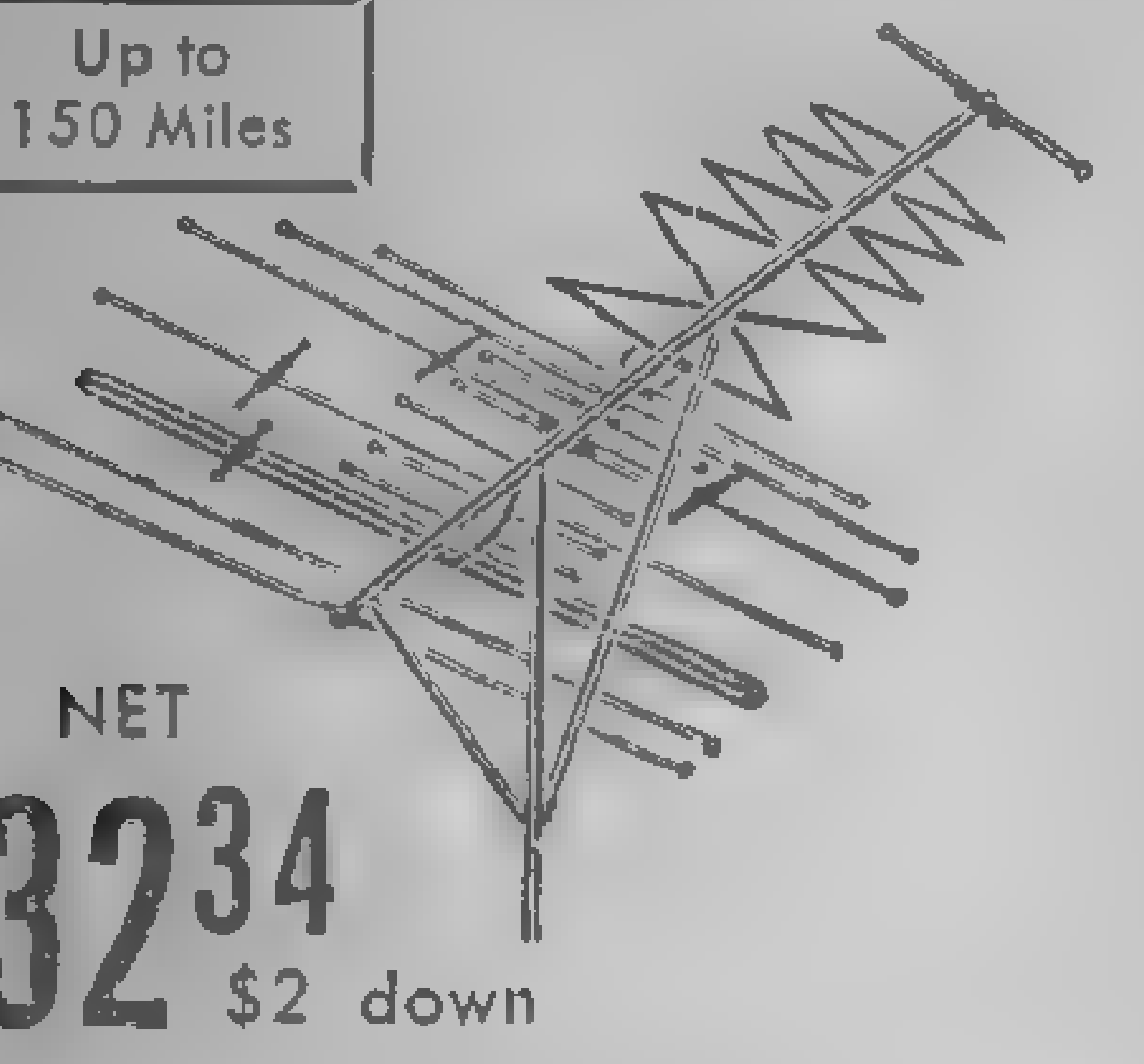
Extremely high sensitivity and directivity. Rugged, lightweight, aluminum construction. Pre-assembled for quick, simplified installation. Less mast, 300-ohm twin line. Wt., 13 lbs. *Express or truck.*
92 CZ 072. List, $47.85. NET......**28.14**

JFD Fringe-Area TV Antennas

SHRINKS THE MILES—FLATTENS THE MOUNTAINS

★★★★ MODEL AX1111 "SATELLITE HELIX"

Up to
150 Miles



NET
$\$32^{34}$ $2 down

- 31-Element Design
- Gold-Anodized Aluminum
- High Gain on All Channels

A deluxe antenna for superior TV reception in difficult, deep-fringe areas. Shrinks the miles—for use in locations as far as 150 miles from TV stations! Brings out the best picture in any TV set, whether black and white or color. Features sharp directivity, very high gain and extremely wide vertical beam width. Exceptionally rugged construction minimizes the effects of high winds, storms and heavy icing. Gleaming gold-anodized finish is attractive—provides high resistance to tarnish and corrosion, too. Super-sensitive array employs 25 multi-function physical elements operating as 31 working elements with a special helical highband section. Gain averages 10 db on high bands and 7 db on low bands. Sharp directivity contributes to better ghost interference rejection.

Multiple directors and reflectors provide an outstanding front-to-back ratio—up to 25:1 on low and high bands. Wide vertical band width assures high gain, even in mountainous terrain.

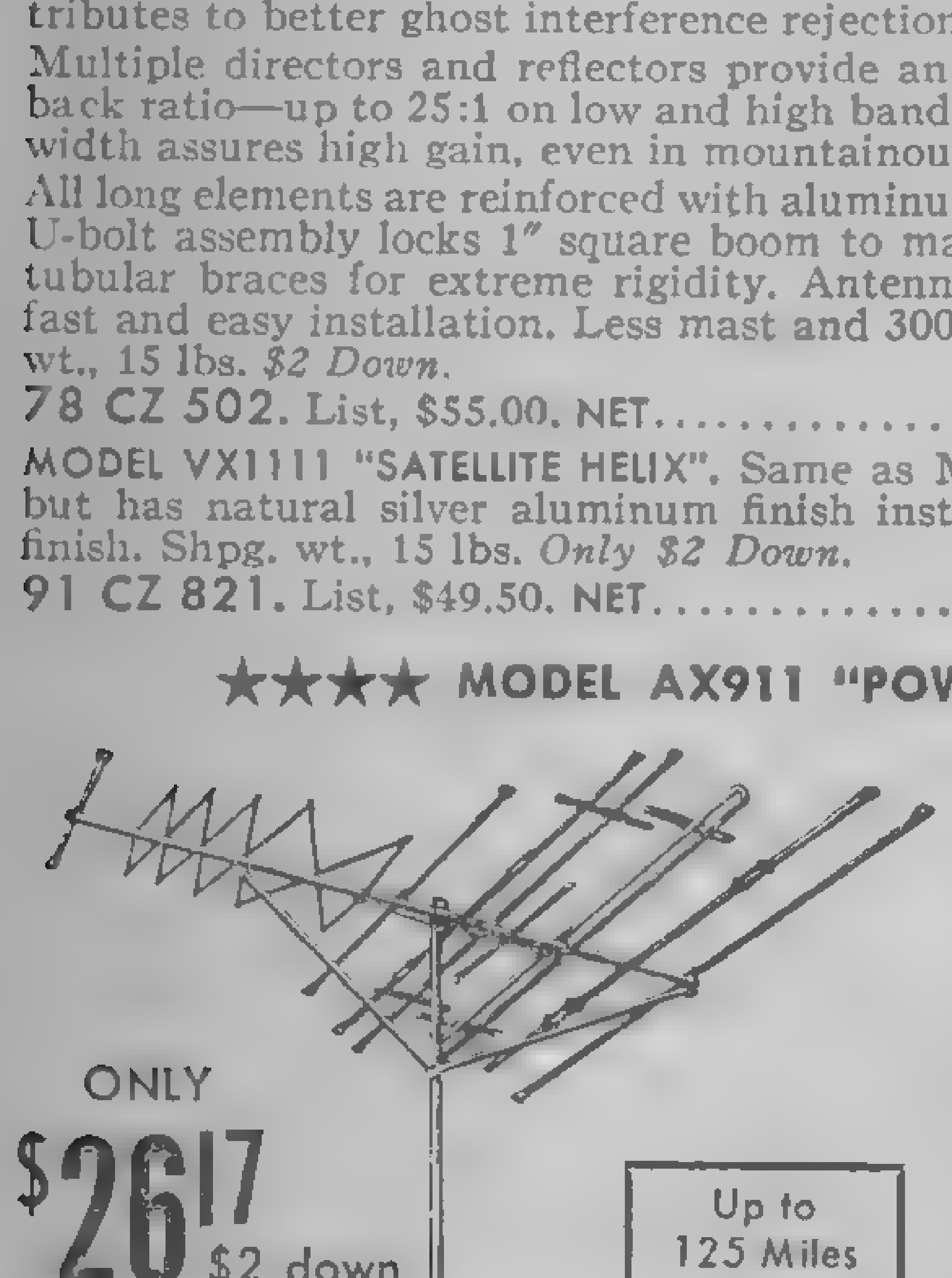
All long elements are reinforced with aluminum dowels. Heavy-duty U-bolt assembly locks 1" square boom to mast—boom has two 1" tubular braces for extreme rigidity. Antenna is preassembled for fast and easy installation. Less mast and 300-ohm twin line. Shpg. wt., 15 lbs. *$2 Down.*

78 CZ 502. List, $55.00. NET........................32.34

MODEL VX1111 "SATELLITE HELIX". Same as Model AX1111 above, but has natural silver aluminum finish instead of gold anodized finish. Shpg. wt., 15 lbs. *Only $2 Down.*

91 CZ 821. List, $49.50. NET........................29.11

★★★★ MODEL AX911 "POWER HELIX"



ONLY
$\$26^{17}$ $2 down

Up to
125 Miles

- 125-Mile Range
- 26-Element Design
- Gold-Anodized

Delivers the extra-high sensitivity you need for clear, snow-free pictures, in deep-fringe areas. Performs equally well for black and white or color. Helical high-band section combined with straight and folded dipole low-band sections provide top-quality performance across the entire VHF band. Unwanted signals and multi-path reflections are minimized by acute horizontal forward response. Exceptionally high front-to-back ratios of up to 22 db on low band and up to 28 db on high band screen out ghosts and interference—give high-resolution picture detail. Gold anodized to resist oxidation and corrosion. U-bolt assembly locks 1" square boom to mast—two 1" tubular braces for rigidity. Preassembled for "flip" installation. Less mast and 300-ohm twin line. Shpg. wt., 10 lbs. *Only $2 Down.*

78 CZ 503. List, $44.50. NET........................26.17

MODEL PX911. As above, but has silver aluminum finish. Shpg. wt., 10 lbs. *Only $2 Down.*

78 CZ 504. List, $36.95. NET........................21.73

★★★MODEL AX711 GOLD-ANODIZED "STAR HELIX"

NET
$\$20^{17}$ $2 down

Up to
85 Miles

- Narrow Beam Width
- Good High-Band Gain

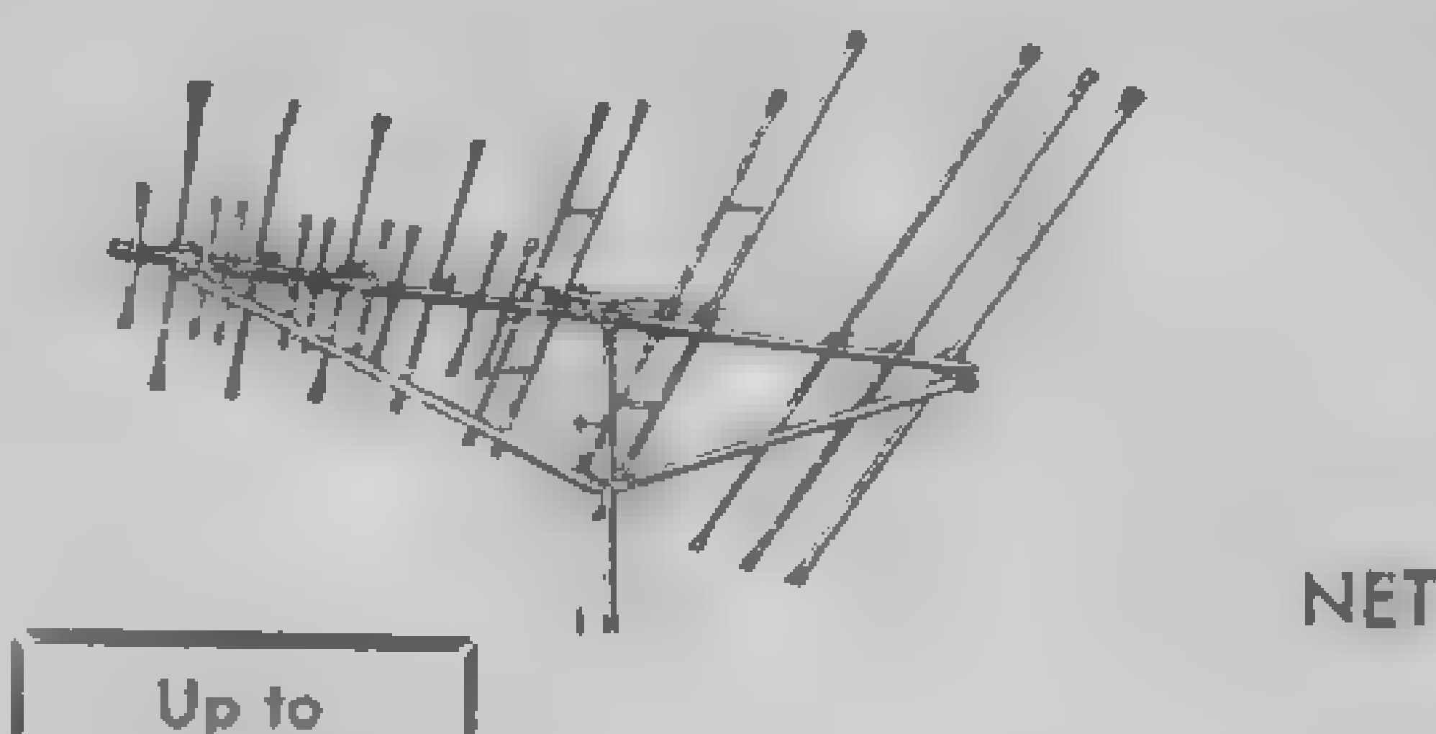
Provides an extremely high front-to-back ratio for excellent rejection of undesired signals. Delivers top performance on all VHF channels in semi-fringe areas—can also be used in strong-signal UHF areas. Has a hard gold-anodized surface for resistance to tarnish and corrosion. Long elements are reinforced with aluminum dowels—heavy-gauge boom is full 1" square. Designed for reduced wind resistance and ice loading. Antenna is completely pre-assembled—just flip elements into grip-locking brackets. Constructed of rugged, solid-drawn aluminum. Less mast and 300-ohm twin line. Shpg. wt., 8 lbs.

91 CZ 822. List, $34.30. NET........................20.17

MODEL SX711. Same as AX711, but silver aluminum finish.

92 CZ 113. List, $29.35. NET........................17.26

★★★★ MODEL ANS400 "BANSHEE"



- 30-Element Design
- Gold Anodized
- Powerful Twin-Driven Elements

NET $\$25^{99}$ $2 down

Up to
125 Miles

Engineered to bring sharp, clear pictures to deep-fringe TV viewers. The ANS400 employs powerful twin-driven elements with precision cut and spaced directors and reflectors that extend high-gain response across the entire VHF band. Its low silhouette produces low wind resistance—its gleaming gold-anodized finish offers long protection against weathering and corrosion.

Increased sensitivity is obtained through use of loading coils on the director elements. These coils provide an efficient match on both high and low VHF bands for maximum TV signal pickup. Two braces of 1" aluminum tubing solidly support entire length of 1" square boom. Driven elements are rugged 1" and 3/8" diameter tubing with ends capped for weather protection. Dipoles are "sleeve" reinforced for added strength. Less mast and 300-ohm twin line. Shpg. wt. 9 lbs. *$2 Down.*

78 CZ 505. List, $44.20. NET........................25.99

★★★ MODEL AN400 "BANSHEE"

19 Elements—For Up To 85 Miles—Gold Anodized—Low Silhouette. Twin-driven elements with phased detectors and reflectors. Minimizes snow and ghosts in near fringe and fringe locations. Same rugged construction as ANS-400, above. Less mast and 300-ohm line. Shpg. wt., 8 lbs.

78 CZ 506. List, $28.50. NET........................16.76

★★★★ MODEL ANS300 "SUPER BLITZ BANSHEE"

27 Elements—Up To 125 Miles—Gold Anodized—Low Silhouette. High performance antenna employing efficient multi-function element design. Features twin driven elements in a super-sensitive broad-band array. Includes two 1" diameter braces for support. Less mast and 300-ohm twin line. Shpg. wt., 9 lbs. *Only $2 Down.*

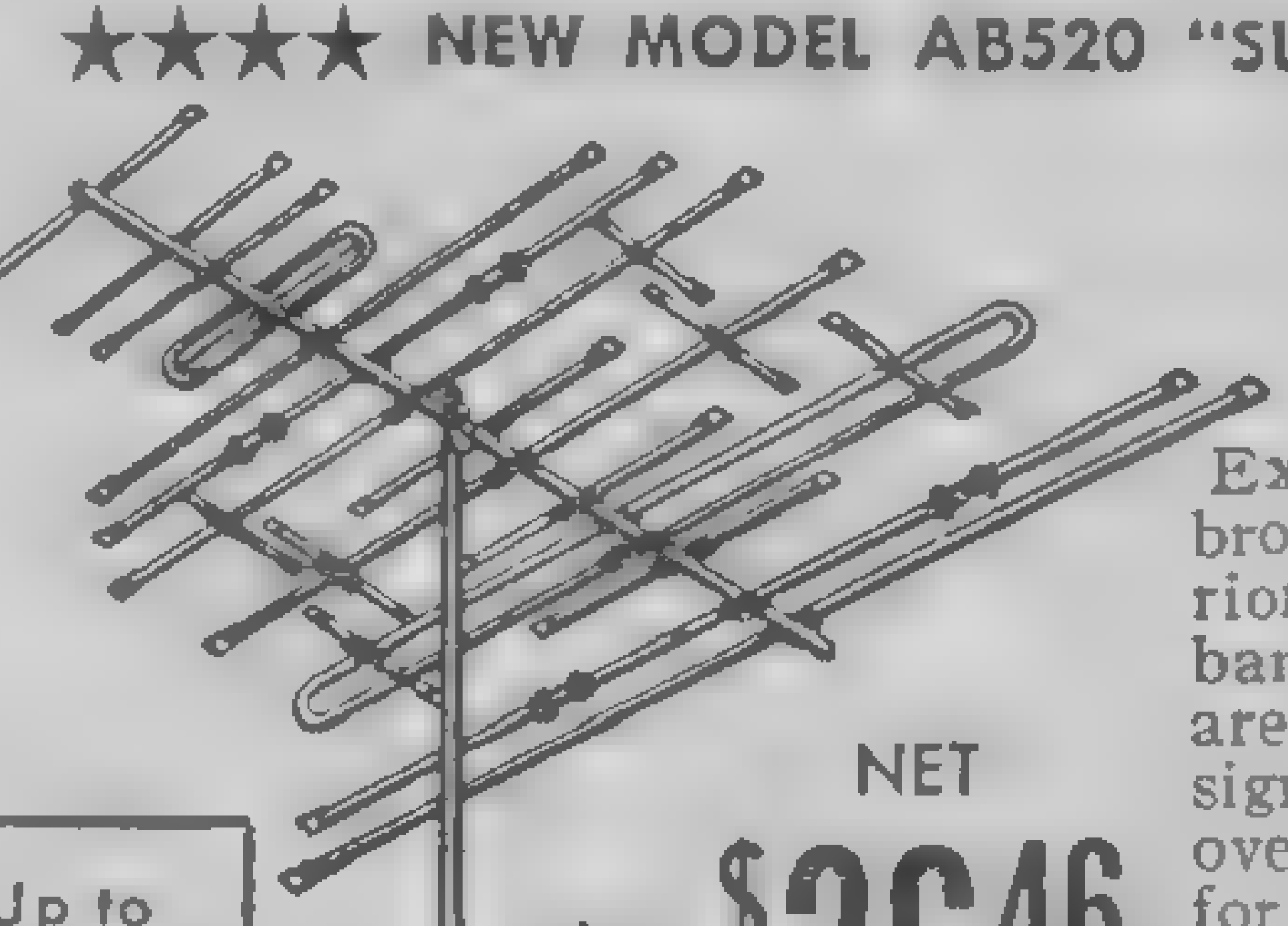
91 CZ 352. List, $40.70. NET........................23.93

★★★ MODEL AN300 "BLITZ BANSHEE"

17 Elements—Up To 85 Miles—Gold Anodized—Low Silhouette Efficient VHF antenna for TV channels 2 to 13. Features same twin driven dipole and multi-function element design of Model ANS300 above. Less mast and 300-ohm twin line. Shpg. wt., 9 lbs.

91 CZ 353. List, $26.10. NET........................15.35

★★★★ NEW MODEL AB520 "SUPER-FIREBALL"



Up to
125 Miles

NET
$2 down $\$26^{46}$

- 24-Element Design
- Gold-Anodized
- Rigid Construction

Expertly engineered broad band array for superior reception in suburban, fringe or deep fringe areas. Produces high gain signal with flat response over the entire VHF band for sharp, clear pictures with rich, deep contrast. Popular inline design utilizes separate low band and high band collectors, reflectors and directors that achieve excellent front-to-back ratios for extremely high signal to noise level. Tough gold-anodized surface affords high protection against corrosion and oxidation. Completely preassembled for simple installation. With rugged 1" square crossarm, reinforced elements, "Perma-Lok" brackets, double U-bolt. Less mast and 300-ohm twin line. Shpg. wt., 10 lbs. *$2 Down.*

78 CZ 507. List, $45.00. NET........................26.46

MODEL FB520. As above, but silver aluminum finish.

78 CZ 508. List, $37.50. NET........................22.05

★★★ MODEL AB510 "DX FIRE-BALL"

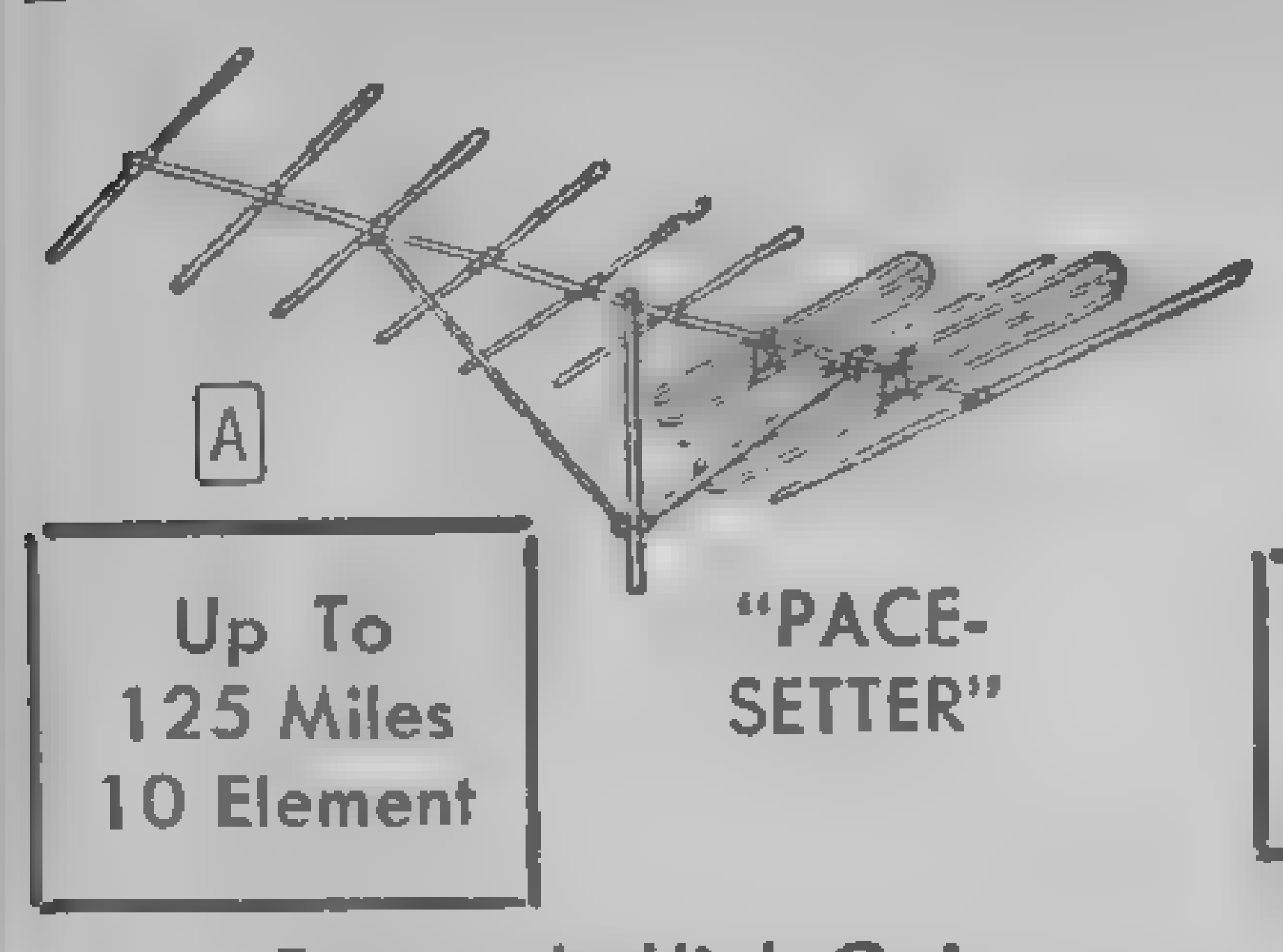
(Not illustrated). Gold-anodized, 14-element inline unit. For use in areas up to 100 miles from TV station. Low band and high band dipoles work both individually and jointly. Exceptional directivity on all VHF channels. Less mast and 300-ohm twin line. 8 lbs.

78 CZ 509. List, $31.40. NET........................18.46

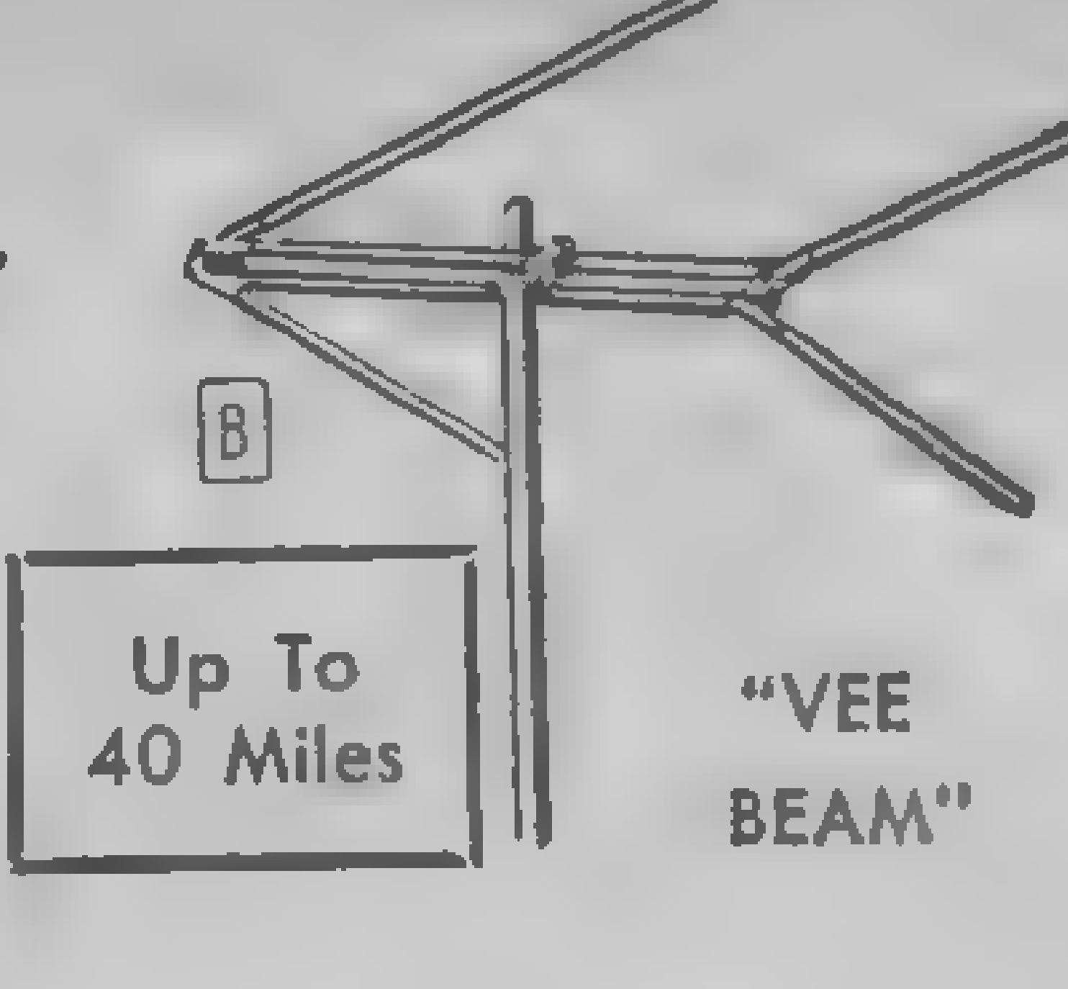
MODEL FB510. As above, but silver aluminum finish.

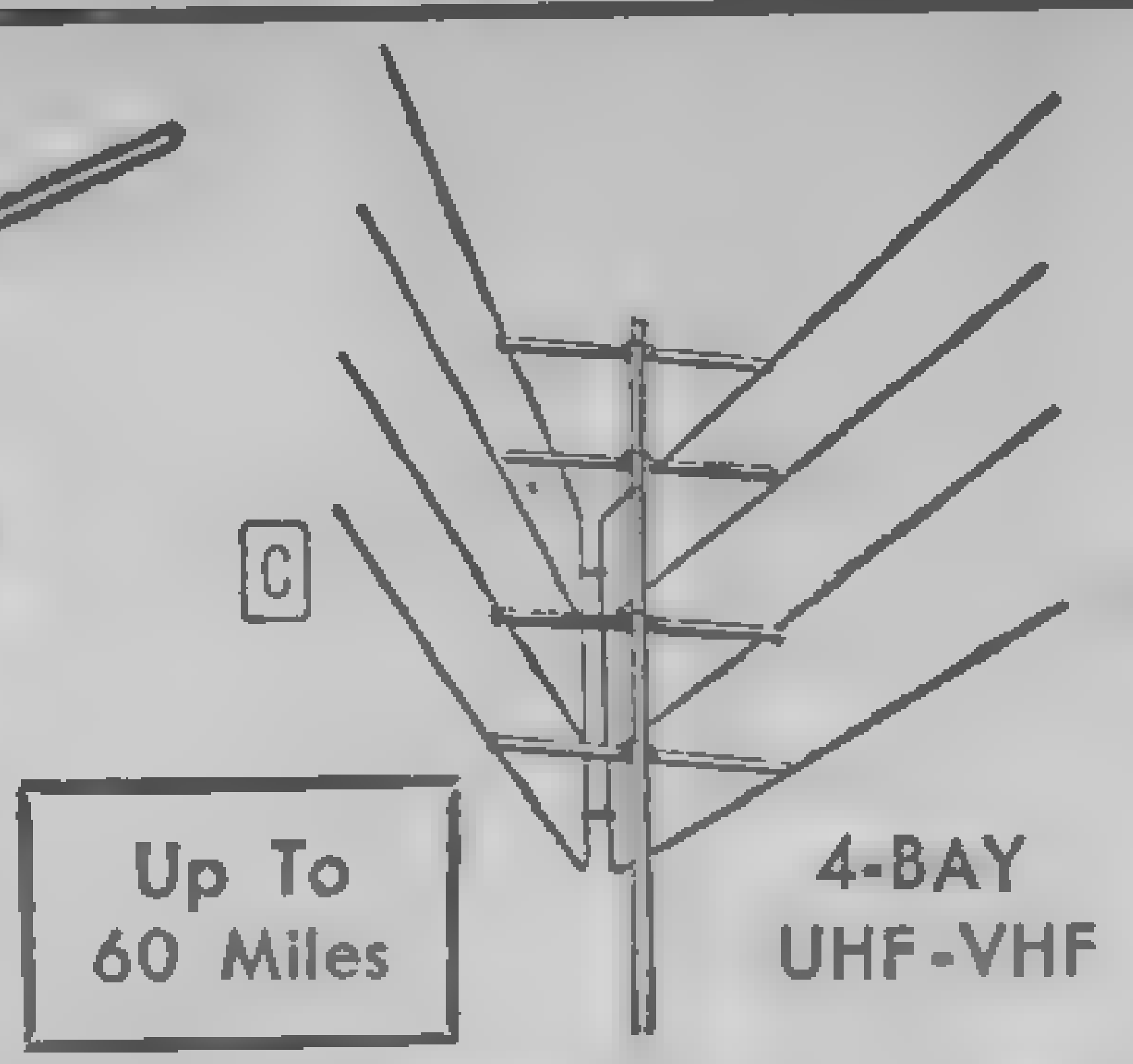
78 CZ 510. List, $27.50. NET........................16.17

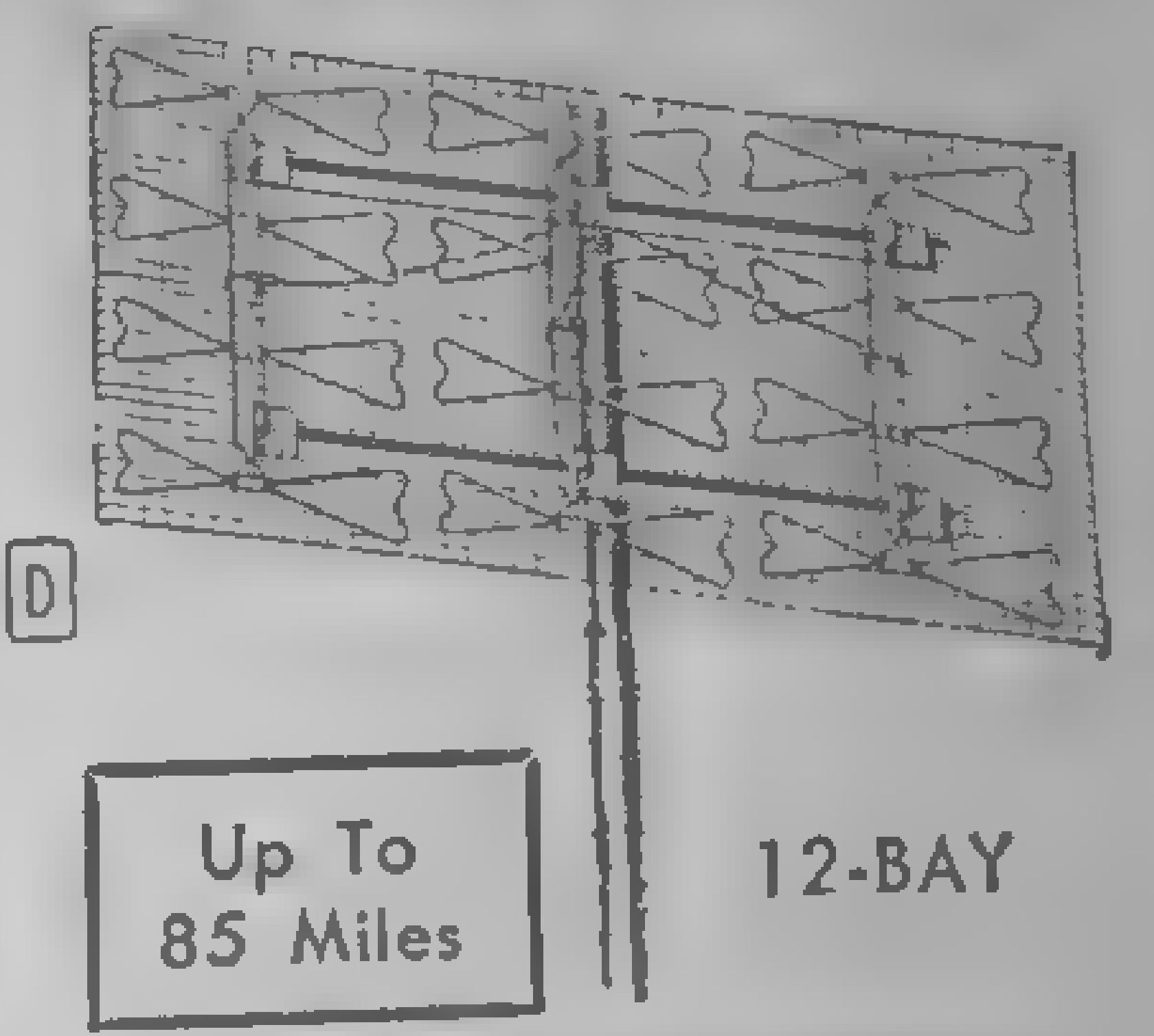
JFD VHF-UHF TV Antennas



Extremely High Gain







"PACE-SETTER" YAGI ANTENNAS

Yagi type antennas offer extremely high gain characteristics and exceptionally sharp directivity for maximum signal reception in deep fringe areas. Each antenna listed below is specifically designed for a single channel, in order to provide maximum performance on that channel. All feature rustproof, seamless aluminum crossarms with 1" O.D. "Pace-Setter" antennas are completely preassembled for quick and easy installation. Any of these Yagi type antennas may be stacked for even greater signal gain by using specified harnesses, listed below. Less mast and 300-ohm twin line.

A ★★★★ **SINGLE CHANNEL 10-ELEMENT TYPES—125 Miles.** Will provide 52% more signal gain than conventional 5-element type yagis. Ten elements on a full length crossarm deliver over 11½ db gain. Very sharp directivity. Y-type boom brace supplied with low band antennas (for channels 2 to 6) for additional support. Av. shpg. wt., 9 lbs.

No.	Type	Chan.	List	EACH
98 CZ 231	10Z2	2	$22.94	13.48
98 CZ 232	10Z3	3	22.24	13.07
98 CZ 233	10Z4	4	21.41	12.59
98 CZ 234	10Z5	5	20.57	12.09
98 CZ 235	10Z6	6	20.16	11.86
98 CZ 236	10Z7	7	9.25	5.44
98 CZ 237	10Z8	8		
98 CZ 238	10Z9	9		
98 CZ 239	10Z10	10		
98 CZ 240	10Z11	11		
98 CZ 241	10Z12	12		
98 CZ 242	10Z13	13		

★★★ **SINGLE CHANNEL 5-ELEMENT TYPES—85 Miles.** Similar to above, but have 5 elements. High-gain, single-driven-element yagis. Provide 9 db gain on all channels. Consists of 3 directors, 1 reflector and 1 folded dipole. Av. shpg. wt., 5 lbs.

No.	Model	Chan.	List	EACH
98 CZ 322	5Z2	2	$12.50	7.35
98 CZ 323	5Z3	3	12.25	7.20
98 CZ 324	5Z4	4	11.85	6.97
98 CZ 326	5Z5	5	10.60	6.23
98 CZ 327	5Z6	6	10.45	6.14

"PACE-SETTER" STACKING HARNESSES

Matching harnesses for stacking any of the 5-or 10-element yagi antennas listed above, for extra gain. Av. shpg. wt., ½ lb.

No.	Type	For Ch.	EACH
92 CX 253	YT2	2	1.03
92 CX 254	YT3	3	
92 CX 255	YT4	4	
92 CX 256	YT5	5	
92 CX 257	YT6	6	
91 CX 380	YT713	7-13	.73

QUALITY "VEE-BEAM" VHF ANTENNAS

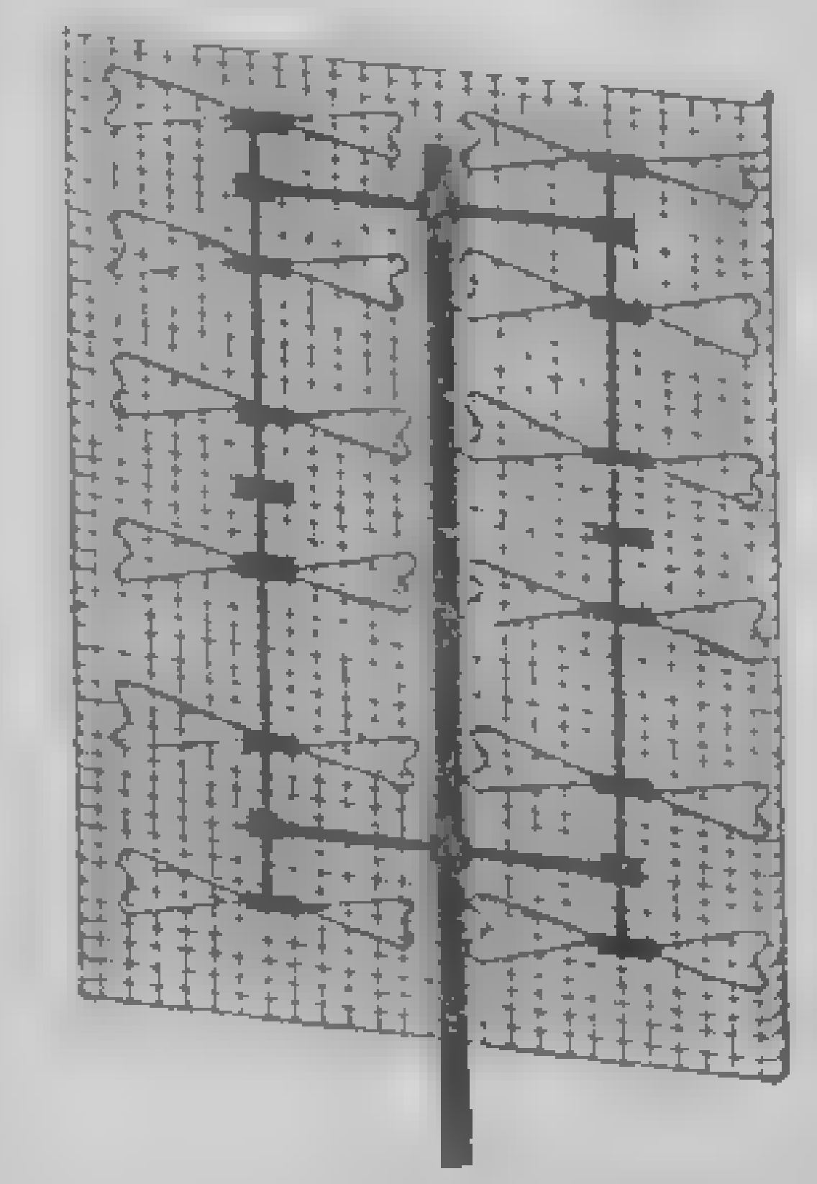
B ★ **MODEL Q800—40 Miles.** Vee-Beam antenna—covers channels from 2 to 13. Engineered for increased gain, especially on high band. "Quick-Rig" pre-assembled design for rapid, easy installation—entire array slides out of package readily for flip-assembly; elements automatically lock in place. Simply slip each section of the antenna in place; mechanical grooves and locks secure them permanently. Line tension reliever protects twin-line connection. Features corrosion-proof, aircraft aluminum construction throughout. Supplied complete with ½" boom. Includes built-in lightning arrestor. Less mast and 300-ohm twin line. Shpg. wt., 3½ lbs.

98 CU 166. List, $6.25. NET.......**3.67**

★★ **MODEL Q801—60 Miles.** Two-bay, Vee-Beam antenna. Consists of two of the above Model Q800 vee-beams stacked together to provide an additional 3 db gain. Includes half-wavelength, mast-supported jumper harness for 300-ohm impedance match. Gives excellent reception in metropolitan-suburban areas and in near-fringe localities. Its high sensitivity and sharp directivity deliver clear, steady pictures. Less mast and 300-ohm twin line. Shpg. wt., 7 lbs.

98 CZ 167. List, $12.40. NET......**7.29**

NEW TRANSLATOR UHF ANTENNAS



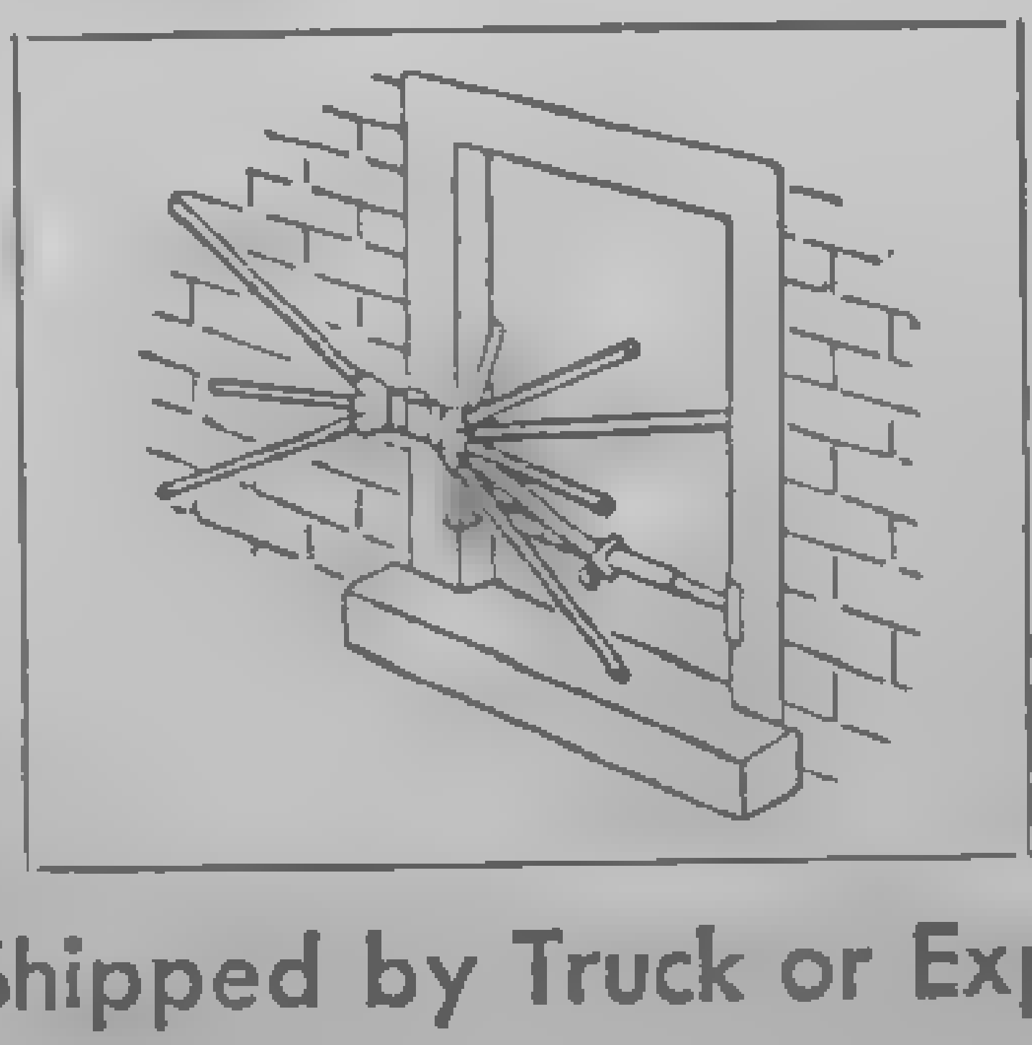
★★ **MODEL TR612—60 Miles.** New, 12-bay UHF antenna designed especially for reception over long distances. Sharply directive and highly sensitive on UHF channels 70-83. Average 15 db gain is obtained from 12 horizontally and vertically wide-spaced and phased "cardioid" dipoles working off an oversized reflector. Reflector also shields antenna from undesirable rear signal and noise pick-up. Has rigidly constructed galvanized wire screen with precision-formed ⅛" solid aluminum dipoles. Factory preassembled for quick, easy installation. Less mast and 300-ohm twin line. Shpg. wt., 10 lbs.

78 CZ 500. List, $24.95. NET......**14.67**

★ **MODEL TR606—40 Miles.** Similar to Model TR612 above, but has 6 wide-spaced and phased "cardioid" dipoles working off an oversized reflector. Provides an average signal gain of 12 db. Less mast and 300-ohm twin line. Shpg. wt., 7 lbs.

78 CZ 501. List, $11.95. NET......**7.03**

★ LOW-COST CONICAL WINDOW ANTENNA



MODEL C119. Low-cost, all-aluminum conical window antenna for strong-signal areas. Ideal for apartment buildings, hotels, etc., or wherever roof-top installations are not practical, but where the greater signal gathering power of an outdoor antenna is desired. Extremely simple to install. Easily fits on the outer frames of most windows —adjustable from 32" to 42" in width. Antenna can be adjusted to proper position for best reception. Comes complete with all necessary mounting hardware—ready for quick, convenient installation. Less 300-ohm twin line for connection to TV set. Shpg. wt., 7 lbs.

97 CX 084. NET............................**5.71**

UHF AND VHF-UHF ANTENNAS

C ★★ **UN105.** UHF-VHF antenna for channels 2 to 83. 4-bay for extra gain and signal sensitivity for semi-fringe areas. Features Redwood crossarms. Pre-assembled. Simply swing sections open and tighten. Has anti-rust, anti-corrosion, all-aluminum elements. Less 300-ohm line and mast. Wt., 5½ lbs.

92 CU 107. List, $11.60. NET.....**6.82**

D ★★★ **MODEL UHF212.** 12-bay, UHF bowtie antenna for fringe area reception. Designed to provide extremely high gain over all channels. Screen is engineered for efficient shielding of conical sections. Provides sharp directivity; greatly reduces interference. Pre-assembled for quick, easy installation. Less mast and 300-ohm twin line. Shpg. wt., 10 lbs.

92 CU 551. List, $33.50. NET.....**19.70**

★★ **MODEL UHF208—60 Miles.** 8-bay, UHF bowtie antenna for semi-fringe area reception. Uses wire mesh reflector and matched elements to provide optimum gain on all channels. Rigidly constructed; solid aluminum rods and galvanized screen. Pre-assembled for simplified, rapid installation. Less mast and 300-ohm twin line. Shpg. wt., 8 lbs.

92 CU 550. List, $23.50. NET......**13.82**

★ **MODEL UHF202—40 Miles.** 4-bay UHF bowtie antenna for suburban areas. Provides high gain on all channels and reduces snow and troublesome reflections. Features "Custom-Channel" calibrator—permits peaking individual channels for optimum response. Precision spaced elements and phasing harness for maximum gain. Galvanized grid wire screen with ⅛" O.D. solid aluminum rods. Pre-assembled for fast installation. Less mast and twin line. Shpg. wt., 6 lbs.

92 CU 151. List, $8.95. NET.......**5.26**

★ **MODEL UHF410—40 Miles.** UHF corner reflector provides excellent suburban reception. High front-to-back and front-to-side ratio minimizes co-channel and adjacent channel interference and ends "ghosts". The twin-angled multi-grid reflectors trap maximum signal strength and reflect it back onto the bowtie dipole with greatly increased intensity. Features extremely sharp directivity. Provides optimum beam width for maximum gain.

Rigidly constructed of solid, lightweight, rust and corrosion resistant aluminum. Flips open like a book for quick, easy installation. Less mast and 300-ohm twin line. Shpg. wt., 6 lbs.

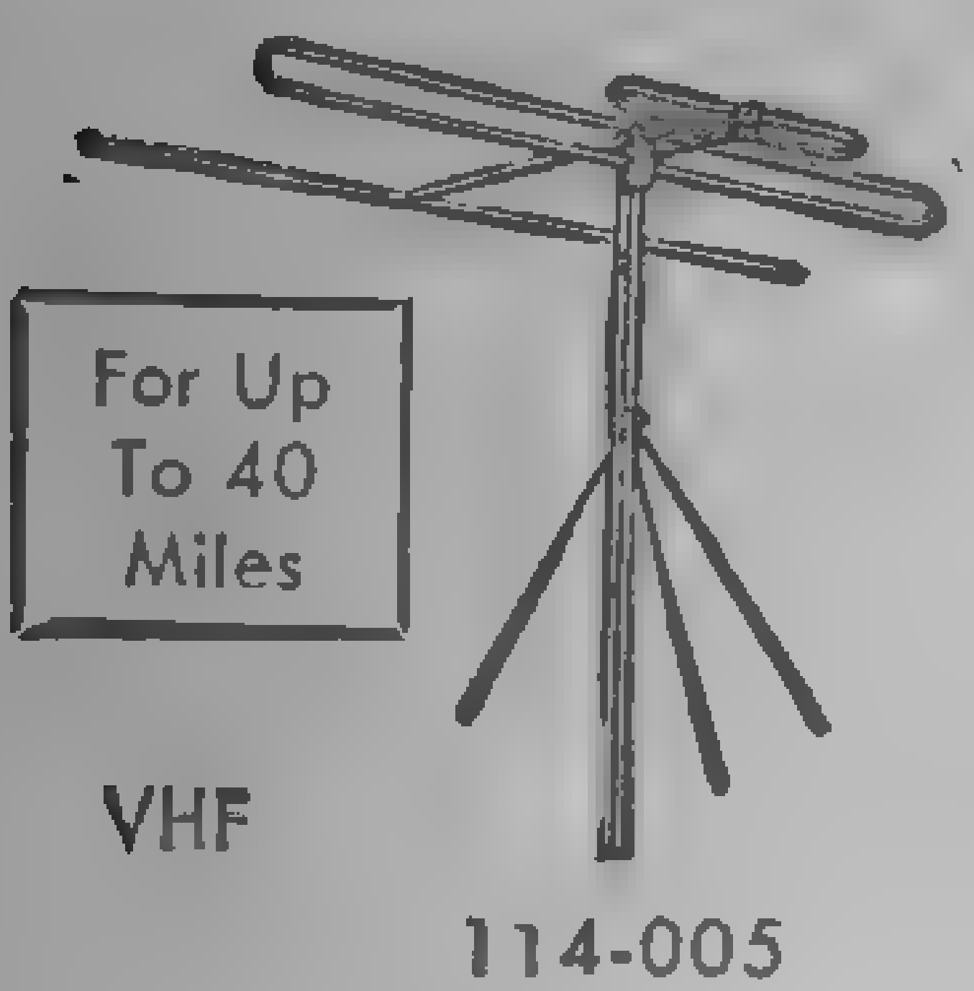
92 CX 152. List, $8.25. NET.......**4.85**

TELEVISION ANTENNAS AVAILABLE ON ALLIED'S EASY PAYMENT PLAN

Amphenol, Taco, Davis, RMS Antennas

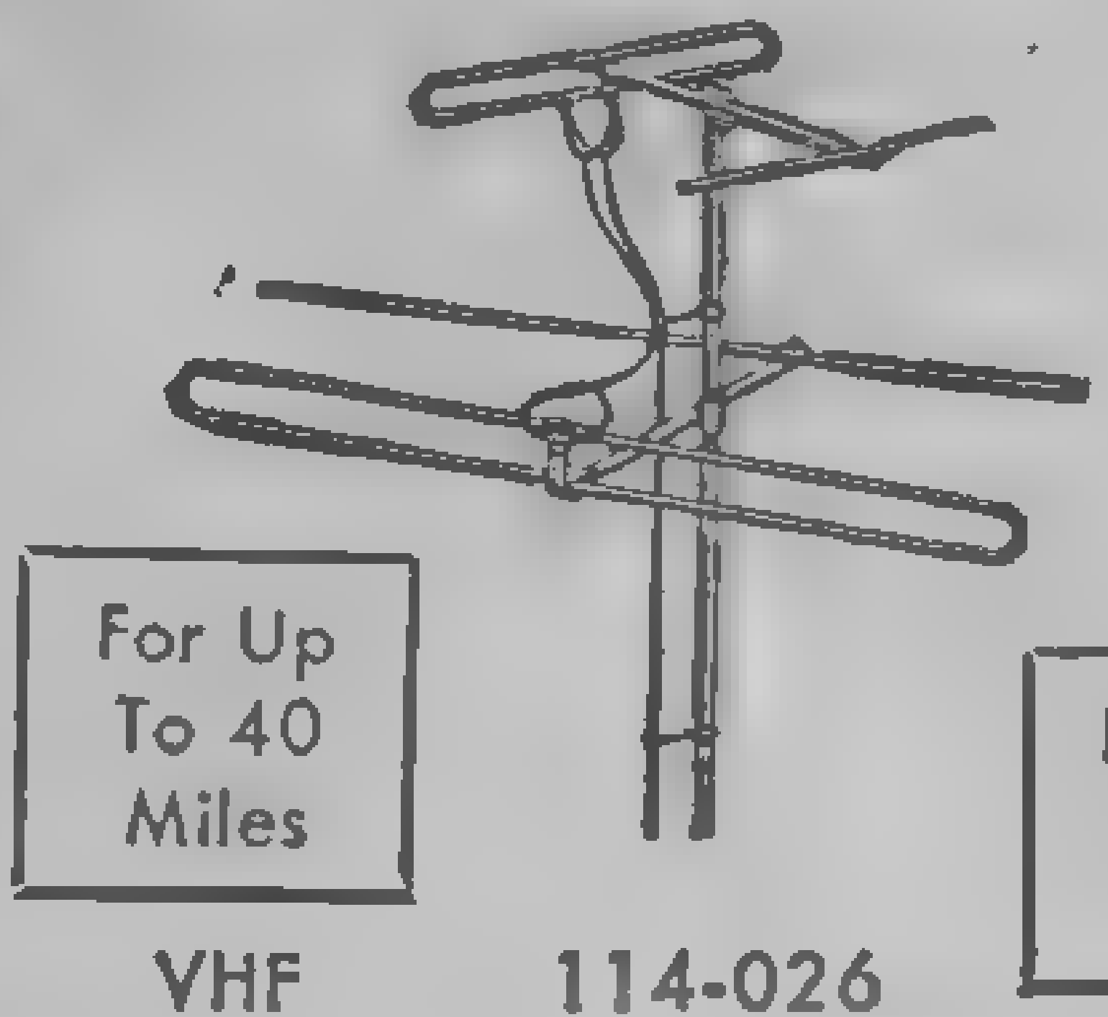
HIGHLY EFFICIENT VHF & UHF AMPHENOL TV ANTENNAS

Time-Proven Design



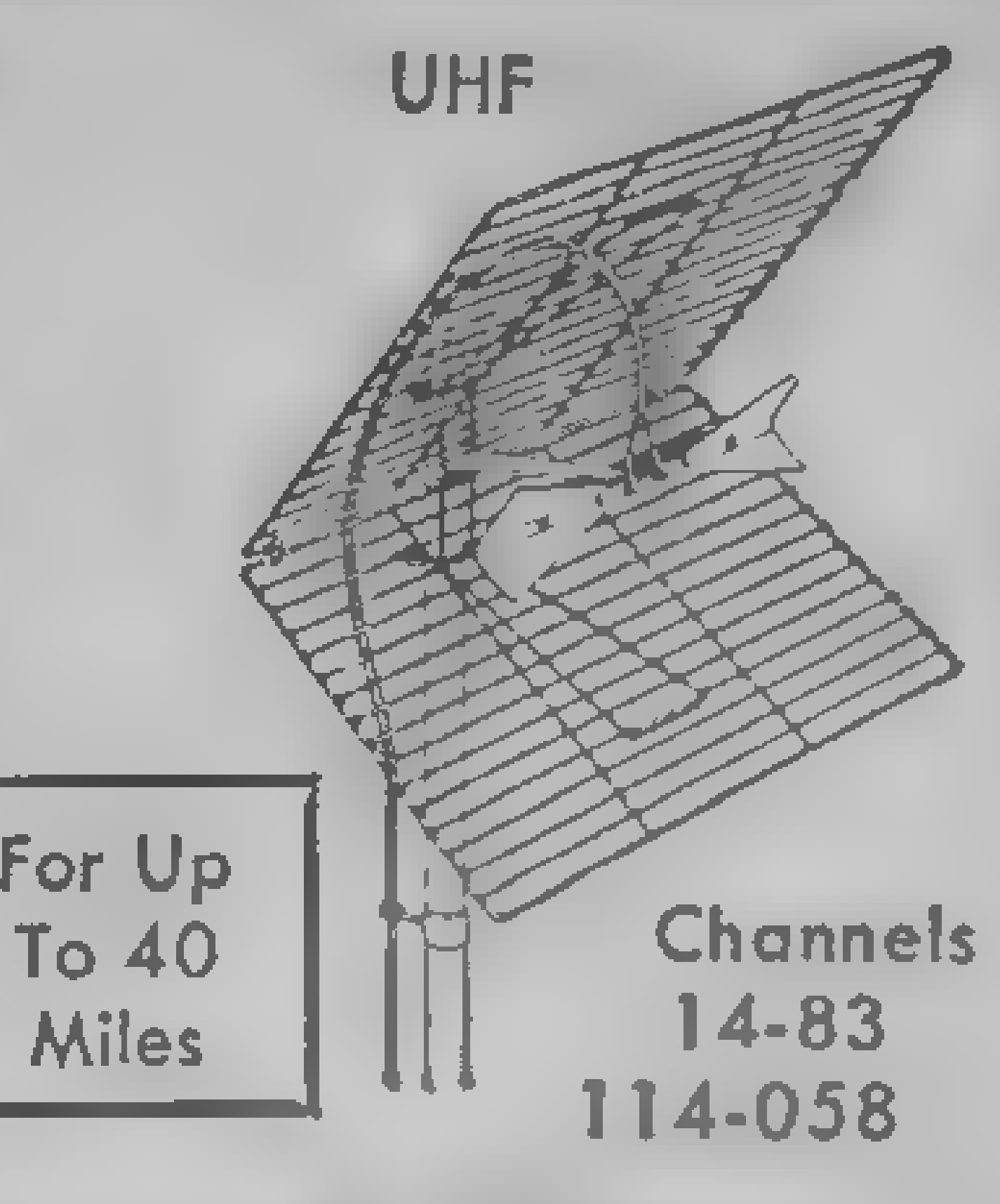
VHF

114-005



VHF

114-026



Channels 14-83

114-058

INLINE VHF ANTENNA

★MODEL 114-005. For all VHF channels. Ideal for metropolitan and suburban use. Unusually broad frequency response. Uni-directional pattern and excellent impedance match on high and low-bands reduces stray reflections and "ghosts." Antenna elements constructed of sturdy aluminum tubing. Mast is heavy-gauge steel. Includes one 5'x¾" mast, guy ring, mounting bracket, hardware, stand-off insulators, 75 feet of high-quality 300-ohm twin line. Shpg. wt., 7 lbs. *Express or truck only.*
97 CU 438. List, $19.50. NET......**11.70**

★MODEL 114-009. Same antenna as 114-005 above but less 300-ohm twin line. Shpg. wt., 6 lbs. *Express or truck only.*
97 CU 439. List, $17.00. NET.....**10.20**

★MODEL 114-040. Same as 114-005 above, less mast, twin line and stand-off insulators. Shpg. wt., 5 lbs. *Express or truck.*
97 CU 492. List, $13.95. NET.......**8.37**

INLINE STACKED ARRAY

★★MODEL 114-314—60 Miles. Ruggedly constructed, 2-bay stacked antenna. Consists of a top and bottom bay properly phased for all VHF channels. Each bay consists of 2 folded dipoles and a low-band reflector element, and is similar in construction and performance to Model 114-005 inline antenna shown above. Low-band folded dipole of each bay acts as reflector for high-band dipole when receiving channels 7-13. Less 300-ohm line and 10-ft. mast. Shpg. wt., 12 lbs. *Express or truck.*
97 CU 454. List, $29.00. NET.....**17.40**

"PIGGY-BACK" VHF ANTENNA

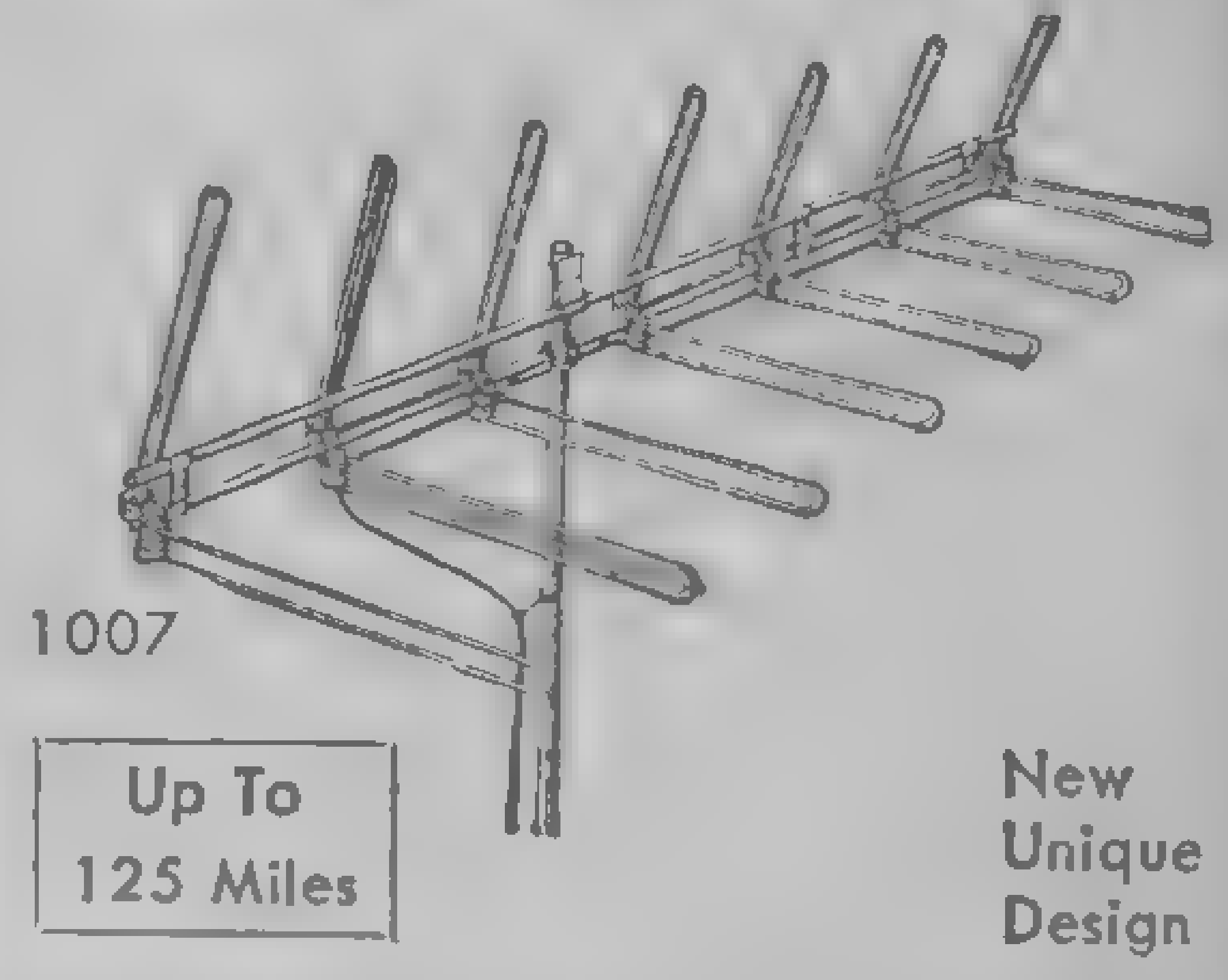
★MODEL 114-026. Amphenol's extremely popular "Piggy-Back" antenna—a particularly fine choice for locations where high and low-band TV signals are received from different directions. Eliminates the need for compromising low-band reception in order to obtain good high-band reception, and vice-versa. Consists of individual, 2-element high-band and low-band antenna sections to permit separate directional adjustments for peak performance and minimum "ghosts" on channels 2-6 (low band) and 7-13 (high band). Includes: 5-ft. mast, clamps, guy ring, harness, mounting support, stand-off insulators, 75 feet of 300-ohm twin line and complete, easy-to-follow installation instructions. Shpg. wt., 10 lbs. *Shipped by express or truck.*
97 CU 360. List, $19.50. NET......**11.70**

UHF CORNER REFLECTOR

★MODEL 114-058. Engineered for high gain over channels 14 through 83. UHF corner reflector design has proven most efficient antenna for both strong and weak signal areas. Excellent horizontal and vertical characteristics reduce "ghosts" and interference. Spacing and dimensions of the elements and reflectors assure maximum broadband reception. Ascending signal gain of 18 to 13 db across entire UHF range. Impedance matches 300-ohm twin line. Electro-galvanized steel reflectors designed to resist corrosion. Fits masts up to 1½" O.D. Complete with all necessary mounting hardware and easy-to-follow instructions. Less mast and 300-ohm line. Shpg. wt., 8 lbs. *Shipped express or truck.*
97 CU 263. List, $12.50. NET......**7.50**

TV ANTENNAS AND ACCESSORIES ARE AVAILABLE ON OUR EASY PAYMENT PLAN

NEW RMS TV ANTENNA



1007

New Unique Design

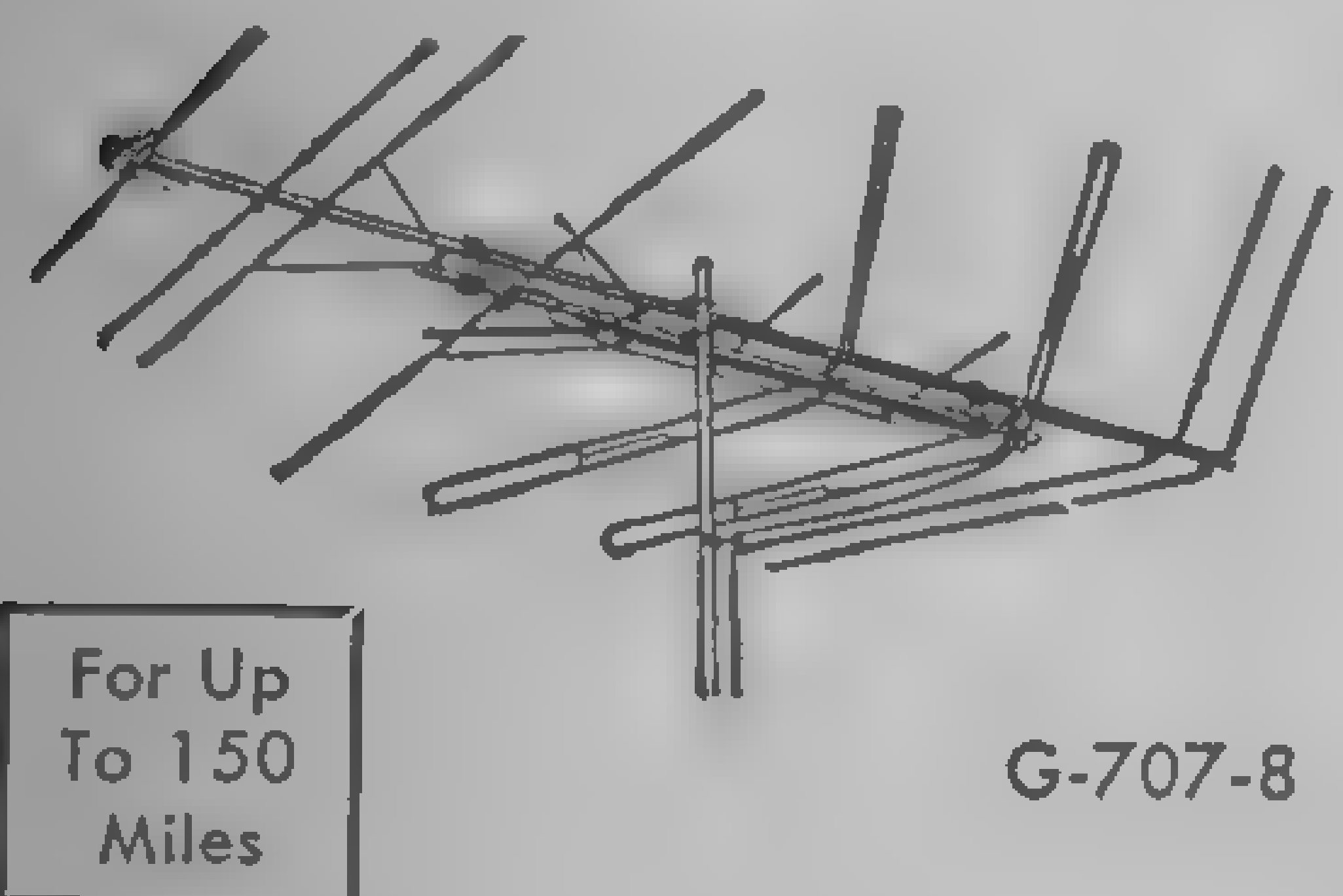
★★★★MODEL 1007. New, "Wavebooster" VHF antenna utilizes 7 folded dipole elements for increased signal gain and greater mechanical stability. Provides excellent color and black and white reception on all channels from 2 to 13. Elements are designed for decreasing impedance from feed point to front end—each element receives an equal amount of current for maximum total gain. High front-to-back ratio and close line impedance match provide sharp, clear pictures—very effective in minimizing ghosts and interference.

Has "snap-lock" design for quick, easy installation. Unique, "quadro-grip" U-bolt assembly secures antenna to mast 4 times—prevents turning and slipping. Less mast and 300-ohm line. Shpg. wt., 16 lbs.
78 CZ 546. List, $44.30. NET... **26.05**

★★★★MODEL 1007S—150 Miles. Consists of 2 of above Model 1007 antennas stacked together for greater gain. Shpg. wt., 32 lbs.
78 CZ 547. List, $90.00. NET......**52.92**

★★★MODEL 1005—85 Miles. Similar to 1007 above, but 5 dipole elements. 12 lbs.
78 CZ 548. List, $31.40. NET......**18.46**

NEW TACO T-BIRD TV ANTENNAS



G-707-8

- New Design Provides Increased Sensitivity, Sharp Directivity
- Ideal for Black and White or Color TV

Newly designed "T-Bird" TV antennas provide extremely high gain, sharp directivity, and high front-to-back ratios. Provide up to 12½ db gain for bright, clear TV pictures. Minimize interference and permit exceptionally good fringe area reception on channels 2 to 13. Extremely flat response across all channels assures full picture definition—makes antenna ideal for use with color TV. Models G707-8 and 707-8 have double trussed crossarm for extra mechanical strength. Less mast and 300-ohm twinline.

★★★★MODEL G707-8. Gold anodized "T-Bird" TV antenna. Eight specially designed elements provide up to 12½ db signal gain on channels 2 to 13. Gold anodized surface assures maximum protection against corrosion and weathering. Shpg. wt., 12½ lbs.
78 CZ 550. List, $61.95. NET.....**36.43**

★★★★MODEL 707-8—150 Miles. Same antenna described above, but non-anodized. Shpg. wt., 12½ lbs.
78 CZ 551. List, $54.95. NET......**32.31**

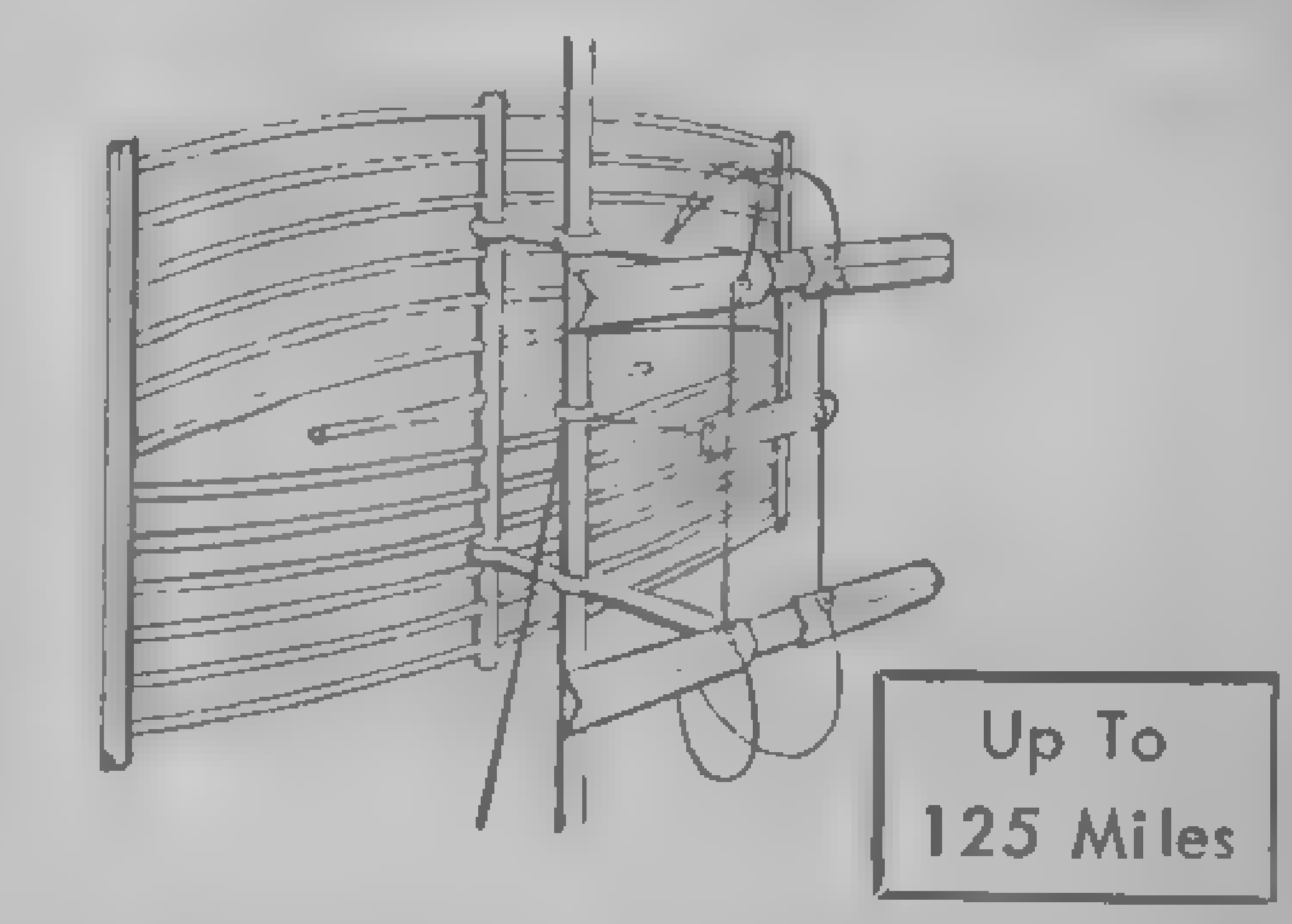
★★★★MODEL G707-6—125 Miles. Gold anodized "T-Bird" antenna. Same as Model G707-8 above, but has 6 elements and single crossarm construction. Gold anodized surface protects antenna against weathering and corrosion. Shpg. wt., 9 lbs.
78 CZ 554. List, $43.95. NET.....**25.84**

★★★★MODEL 707-6—125 Miles. Same antenna described above, but has non-anodized surface. Shpg. wt., 9 lbs.
78 CZ 555. List, $37.95. NET......**22.77**

★★★MODEL G707-5—85 Miles. Gold anodized "T-Bird" antenna. Same as Model G707-8 shown above, but has 5 elements and single crossarm. Shpg. wt., 6½ lbs.
78 CZ 552. List, $31.95. NET..**18.79**

★★★MODEL 707-5—85 Miles. Same as G707-5 above, but non-anodized. Wt., 6½ lbs.
78 CZ 553. List, $26.95. NET..**15.85**

DAVIS UHF-VHF TV ANTENNA

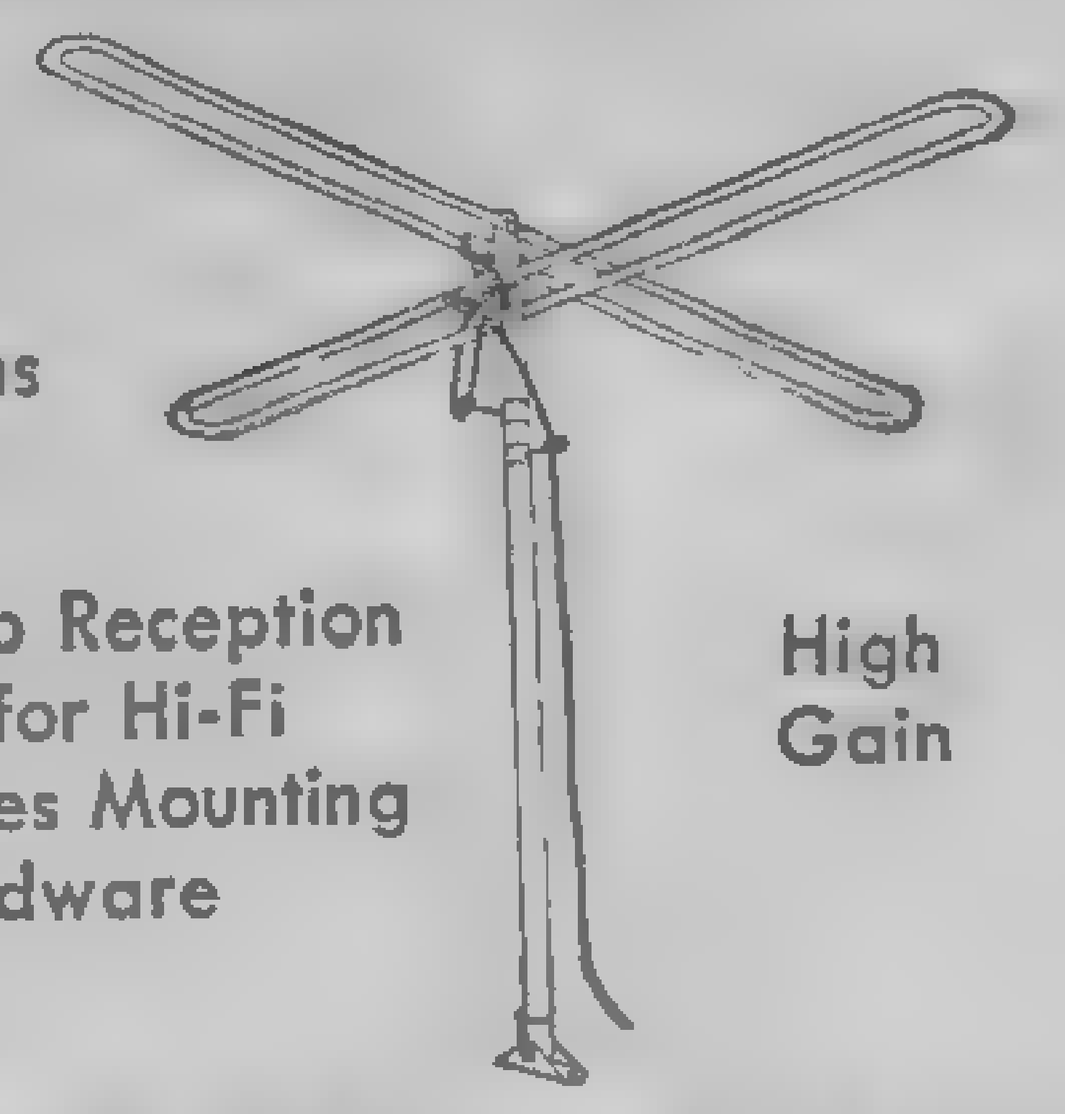


★★★★ MODEL SV-ZR-I "ZIG-RIG." Provides excellent deep-fringe area VHF reception and excellent UHF reception in metropolitan and suburban signal areas. Delivers 12 db or more gain of high channels. Features electric dipole separators. Antenna is equipped with 2 matching harnesses—permits peaking antenna on weakest channel and still maintain good all-channel coverage. Shipped preassembled for quick and easy installation—just flip the elements in place. Less mast and 300-ohm line. Shpg. wt., 12 lbs. *By express or truck only.*
92 CZ 210. List, $29.95. NET.......**17.61**

MODEL SK-I STACKING KIT. For horizontal or vertical stacking of 2—SV-ZR-1 (listed above). Shpg. wt., 1½ lbs.
51 CX 054. List, $3.25. NET.........**1.91**

FM Antennas and Antenna Kits

KNIGHT ALL-DIRECTION FM ANTENNA KIT

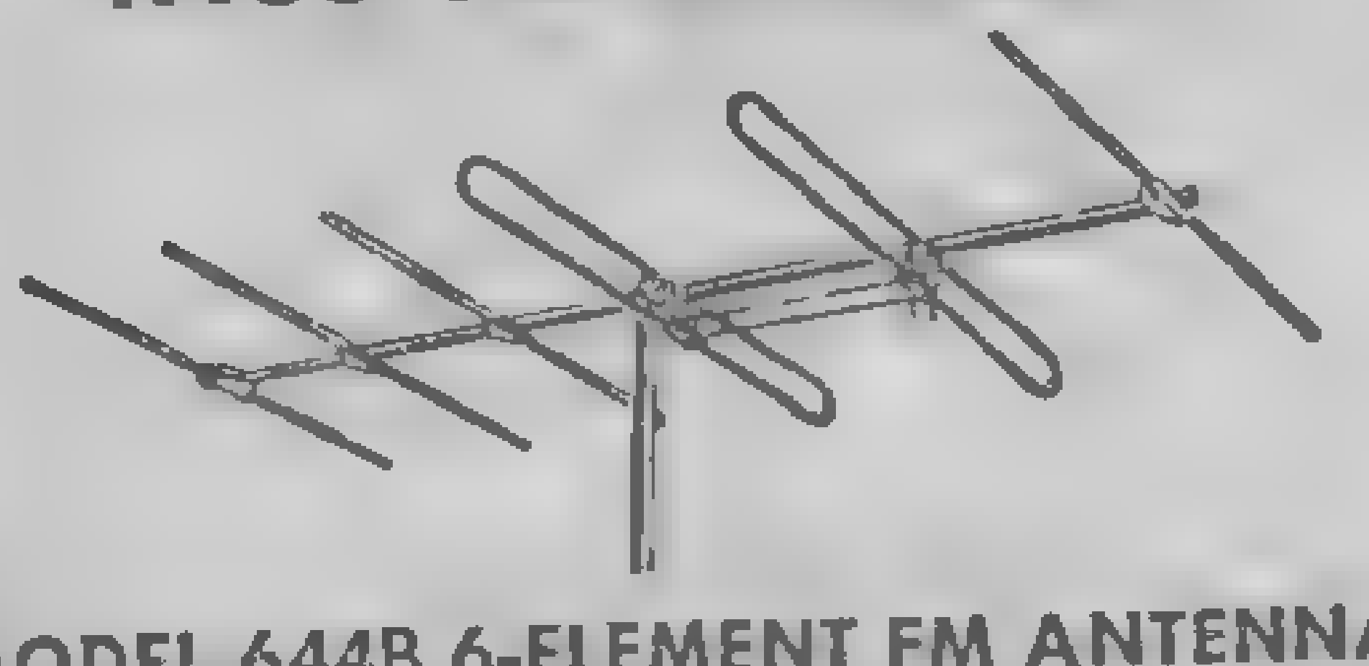


- Superb Reception
- Ideal for Hi-Fi
- Includes Mounting Hardware

A top-quality FM antenna kit at a money-saving price. Two folded dipoles mounted at right angles to each other provide uniform gain from all directions. Eliminates need for rotator. Excellent response across the entire FM band. Elements constructed of heavy walled, extruded aluminum for maximum weather resistance.

Complete kit includes: rugged 5-ft. mast; 50 feet of 300-ohm twin line; sturdy, universal mounting base; 1 mast stand-off insulator; and other necessary hardware—at one low price. Instructions included for easy assembly. Shpg. wt., 7¼ lbs.
92 CU 583. NET..................6.77

TACO FM ANTENNAS



MODEL 644B 6-ELEMENT FM ANTENNA

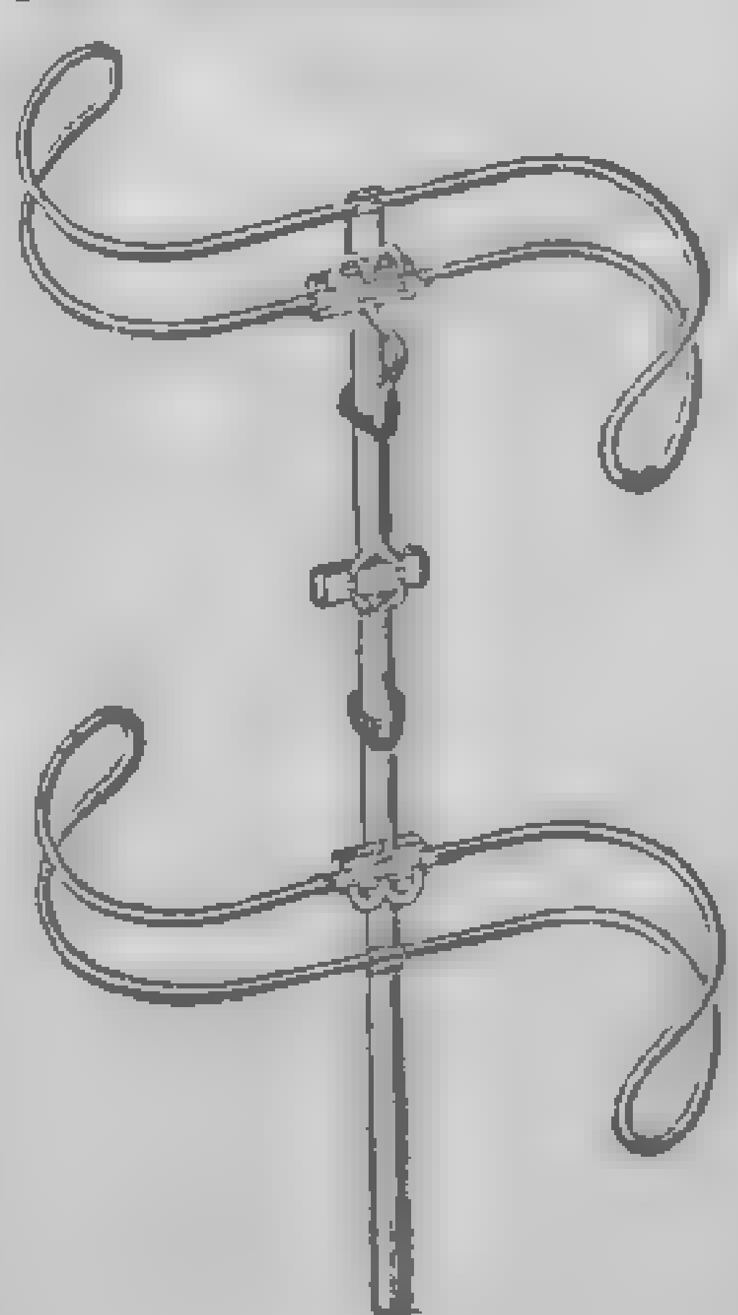
Single-bay, 6-element yagi antenna for top FM performance in weak signal areas. Unidirectional design. High F/B ratio. Up to 9 db gain. Completely assembled. Elements swing out—lock in place. Less mast, 300-ohm twin line. Shpg. wt., 7 lbs.
92 CZ 546. List, $20.20. NET......11.88

MODEL 610 10-ELEMENT FM ANTENNA

Single-bay, 10-element yagi antenna for outstanding long-distance FM reception. 8 to 10 db gain. Sharp directivity—extremely high F/B ratio. Completely assembled for simplified installation. Arms swing out—lock in place. Less mast, 300-ohm twin line. Shpg. wt., 10½ lbs.
92 CZ 547. List, $29.25. NET.....17.20

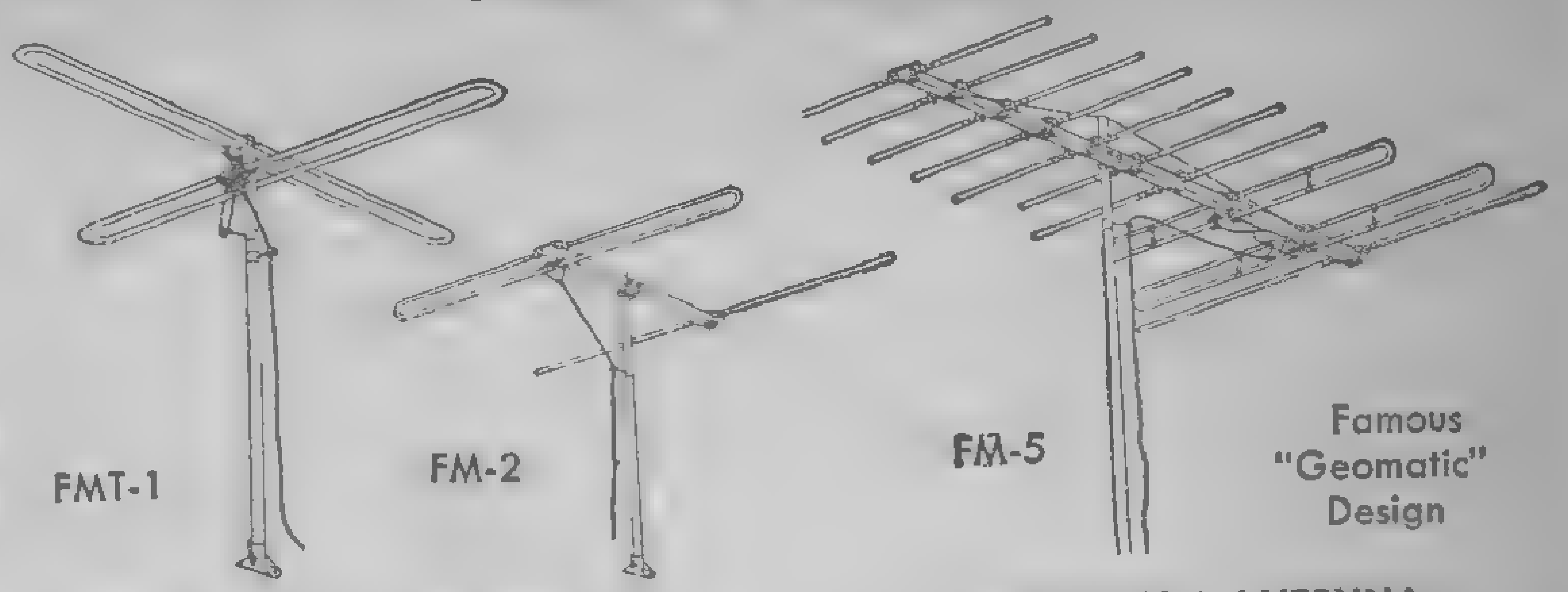
MODEL 646 STACKING KIT. Phasing line, insulators, hardware. Permits stacking two 644B or 610 antennas. Wt., 1 lb.
92 CX 548. List, $2.65. NET........1.56

MODEL 624STL FM ANTENNA



An excellent value in a unique, stacked FM antenna—combines an all-directional pickup pattern with high gain. Consists of two S-type, stacked, folded dipoles connected with a phasing network for optimum efficiency. Reception characteristics are particularly suited to locations where stations must be received from several different directions. Stacked-element design provides unusually good gain across the entire FM band. Sturdy, all-aluminum construction. Antenna is supplied with heavy-duty, 10-ft. aluminum mast. Less 300-ohm twin line. Shpg. wt., 7½ lbs.
92 CU 039. List, $14.95. NET......8.79

FINNEY FM ANTENNAS



MODEL FMT-1 ANTENNA KIT

All-direction FM antenna kit. Provides unusually fine reception over the entire FM band, 88 to 108 mc. Incorporates two sturdy, well designed folded dipoles mounted at right angles to each other for complete 360° coverage without rotation. Dipoles are matched with a special quarter wave phasing stub for optimum match to 300 ohm line. Simplified installation. Each folded dipole attaches easily to pre-drilled 5-foot mast. Universal base will mount on any surface from horizontal flat roof to vertical side wall and allow mast to be adjusted to vertical position. Kit includes 50-ft. 300-ohm transmission line; heavy-duty 5-ft. antenna mast; universal mounting base; 2 mast stand-off insulators; and 3 screw-eye stand-off insulators. Shpg. wt., 6 lbs.
92 CU 278. List, $14.50. NET......8.53

MODEL FM-2 ANTENNA KIT

A particularly fine choice for use where all signals are received from approximately the same direction. Employs an efficient FM dipole plus a reflector element to achieve high signal gain and good directivity. Gain is 3.5 db. Features rugged, weather resistant construction throughout. All aluminum boom and elements are completely preassembled with "snap-out," self-aligning aluminum brackets—designed for quick, simplified installation. Universal base will mount on any surface. Kit is supplied with 5-ft. antenna mast, heavy-duty mounting base, 50-ft. 300-ohm twin line, 2 mast-type stand-off insulators, and 3 screw-eye stand-off insulators. Shpg. wt., 6½ lbs.
92 CU 279. List, $14.50. NET......8.53

MODEL FM-3 ANTENNA

(Not illustrated.) An extremely effective broad band fringe-area FM antenna at a very moderate cost. Features a highly directive 4-element yagi design for outstanding gain on the FM band, 88 to 108 mc. All-aluminum construction with square boom. Folded dipole driven element for closer impedance matching and maximum energy transfer. Double wall reinforced elements have snap-out brackets. Elements lock in open position. Less mast and 300 ohm twin lead. Shpg. wt., 5 lbs.
92 CU 281. List, $13.00. NET.. ...7.64

MODEL FM-5 ANTENNA

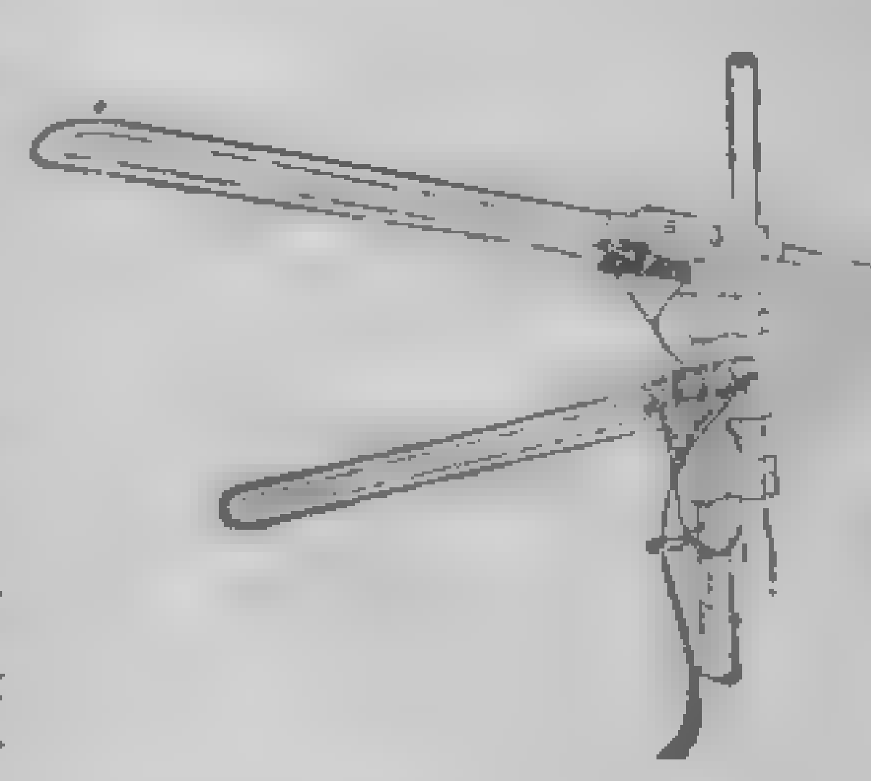
Superb 10-element FM antenna for peak reception in remote and weak signal areas. Features twin driven elements and precisely-spaced directors for exceptionally high gain across the entire FM band from 88 to 108 mc. Gold corodized finish on all aluminum parts resists weathering and assures retention of original characteristics. Heavy duty, square boom with suspension-type bracing provides rigid support. All elements are sleeve reinforced. Elements lock into open position in "snap lock" brackets. Less mast and twin lead. Shpg. wt., 8½ lbs.
91 CZ 329. List, $36.35. NET 21.37

MODEL FM-4 ANTENNA

(Not illustrated.) Deluxe 6-element FM antenna. Twin driven elements offer high gain across entire FM band. Less mast and 300-ohm twin lead. Shpg. wt., 6½ lbs.
92 CZ 280. List, $24.90. NET. 14.64

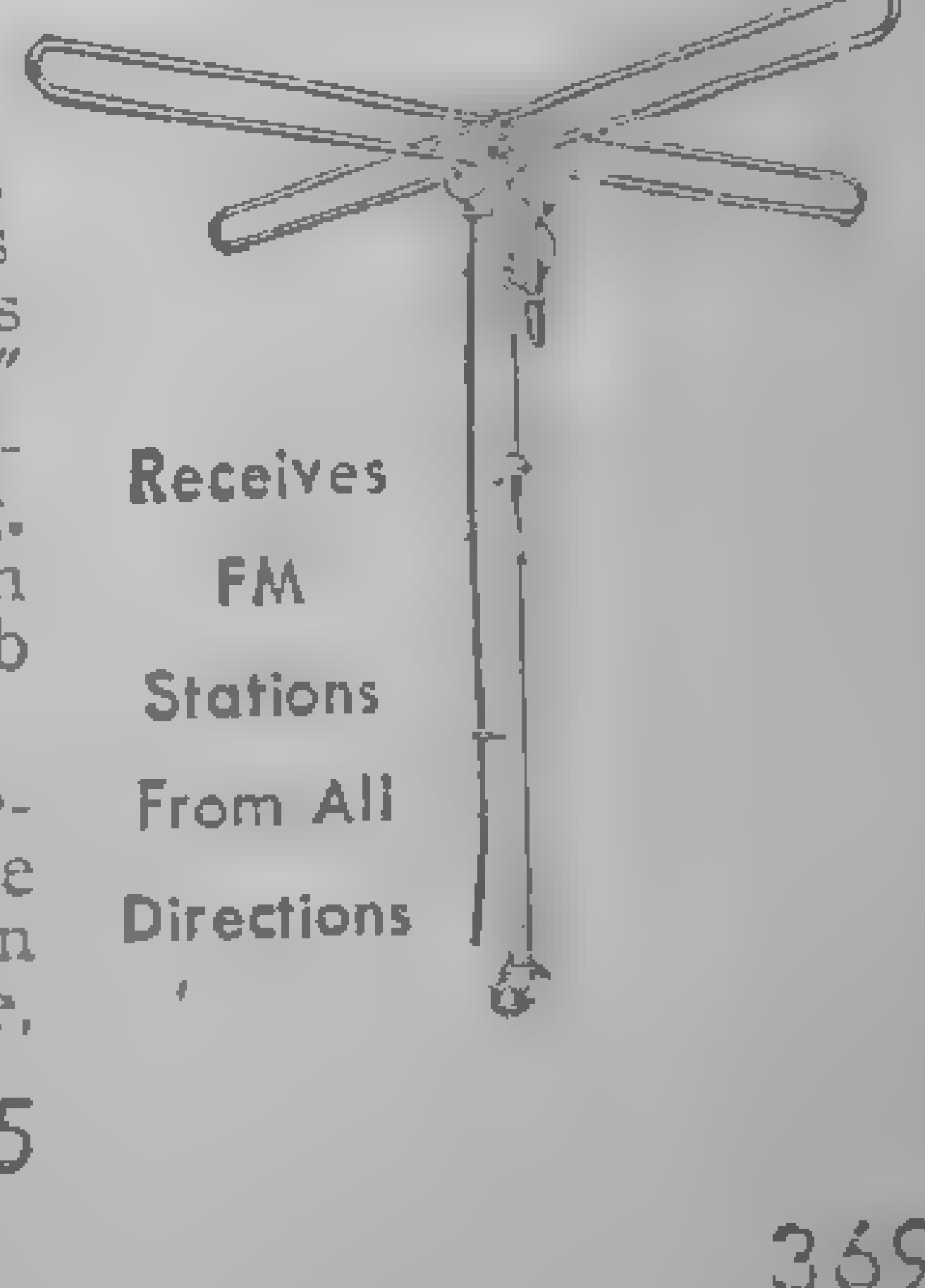
FMS STACKING KIT. For stacking two FM-2, FM-3, FM-4 or FM-5 antennas. 1 lb.
92 CX 597. List, $3.35. NET.. ... . 1.97

MODEL FMT-A FM ANTENNA KIT



Enjoy the finest FM reception your tuner or FM radio can deliver with this all-directional antenna kit. Features a ruggedly constructed, preassembled turnstile-type antenna that requires no rotation. Supplied with special bracket for simple installation on your present TV mast—there's no need for an additional mast installation. The two antenna elements are accurately matched with a special quarter-wave phasing stub for optimum gain and approximate circular, all-direction radiation pick-up pattern. Provides strong reception over the entire FM band. Kit includes an FM antenna, 50-ft. of twin line, two mast insulators, 3 screw-in insulators, plus mounting bracket. Shpg. wt., 6 lbs.
91 CX 330. List, $14.50. NET..8.53

AMPHENOL 114-010 FM ANTENNA KIT

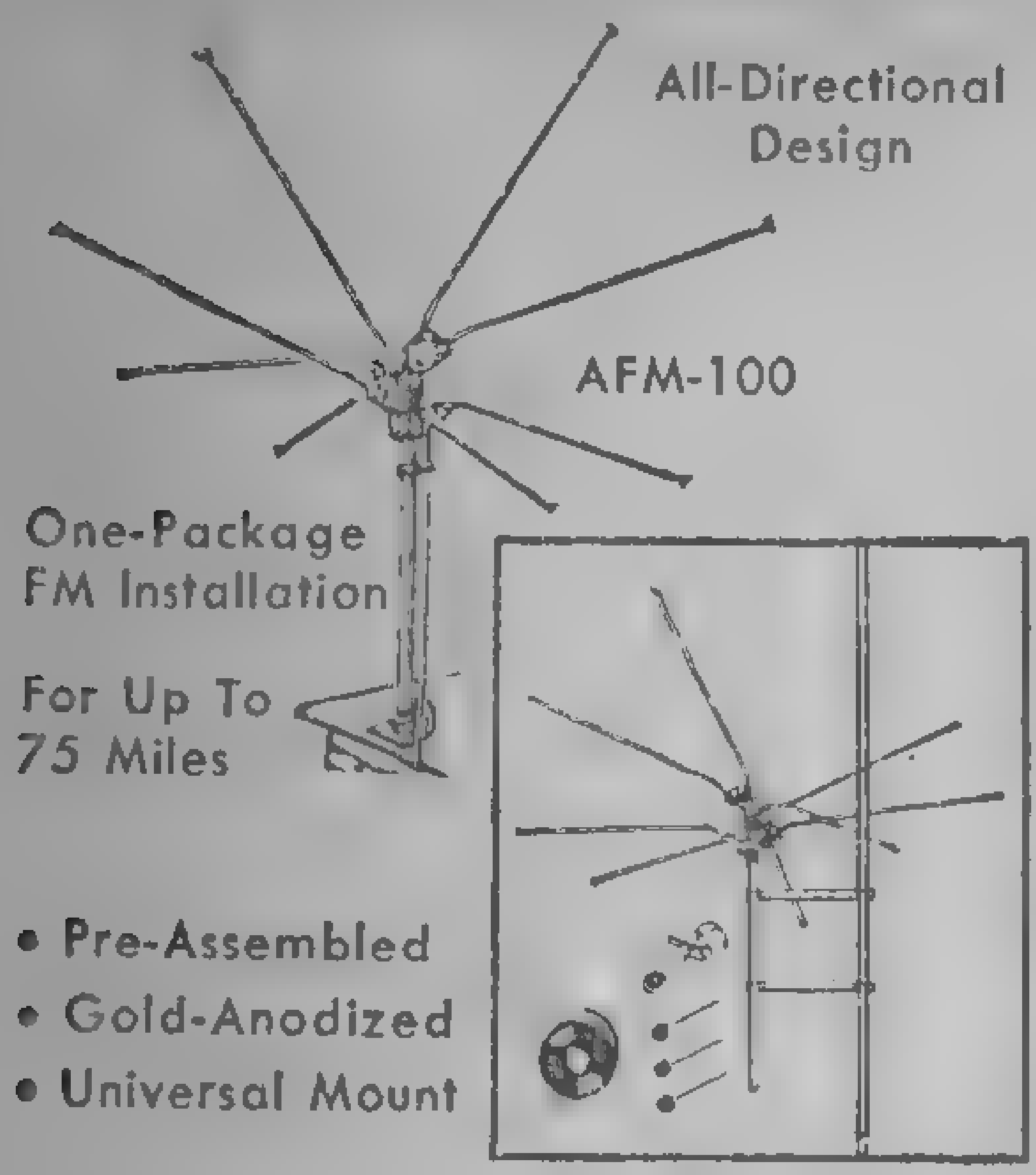


Amphenol's highly popular, all-directional FM dipole antenna. Provides gain equal to that of an efficient folded dipole across the entire FM band, 88 to 108 mc. Widely used where stations are received from many different directions. Elements are of ⅜" O.D. aluminum tubing to resist weathering and corrosion. Antenna is ruggedly constructed to withstand high winds and icing. Employs 2 folded dipoles mounted at right angles to achieve an essentially circular pickup pattern. Quarter wave phasing stub precisely matches both elements to 300-ohm twin line.

Supplied complete with full set of accessories for easy, time-saving installation. Includes convenient, universal, swivel-type mounting base bracket for simplified mounting of antenna on either a flat or sloping roof, 75 feet of quality 300-ohm twin line, all hardware, and sturdy 5-ft.x¾" O.D. mast. Wt., 7 lbs.
97 CU 434. List, $16.25. NET.........................9.75

FM and Indoor TV Antennas

JFD AFM FM ANTENNA KITS



- Pre-Assembled
- Gold-Anodized
- Universal Mount

AFM-100—75 Miles. A sensitive, all directional FM antenna complete with roof mount and all installation accessories—at an exceptionally low price. Ideal for locations where FM reception is available from more than one direction. Turnstile design insures that antenna elements are always correctly oriented to pick up optimum signal strength from the station desired. Gold-anodized all-aluminum weather-resistant construction. Preassembled for quick, easy assembly. Kit includes everything necessary for complete installation; antenna, 5′ aluminum mast, galvanized steel guy ring, universal base mount for wall or roof installation, 4 woodscrew standoffs, and 50 feet of 300-ohm line. 5½ lbs.

91 CX 987. List, $15.95. **NET...9.38**

AFM-175—75 Miles. Similar to above, but for installation on existing TV antenna mast. With supporting mast and brackets, 50′ of 300-ohm twin line and 4 stand-offs. Shpg. wt., 4 lbs.

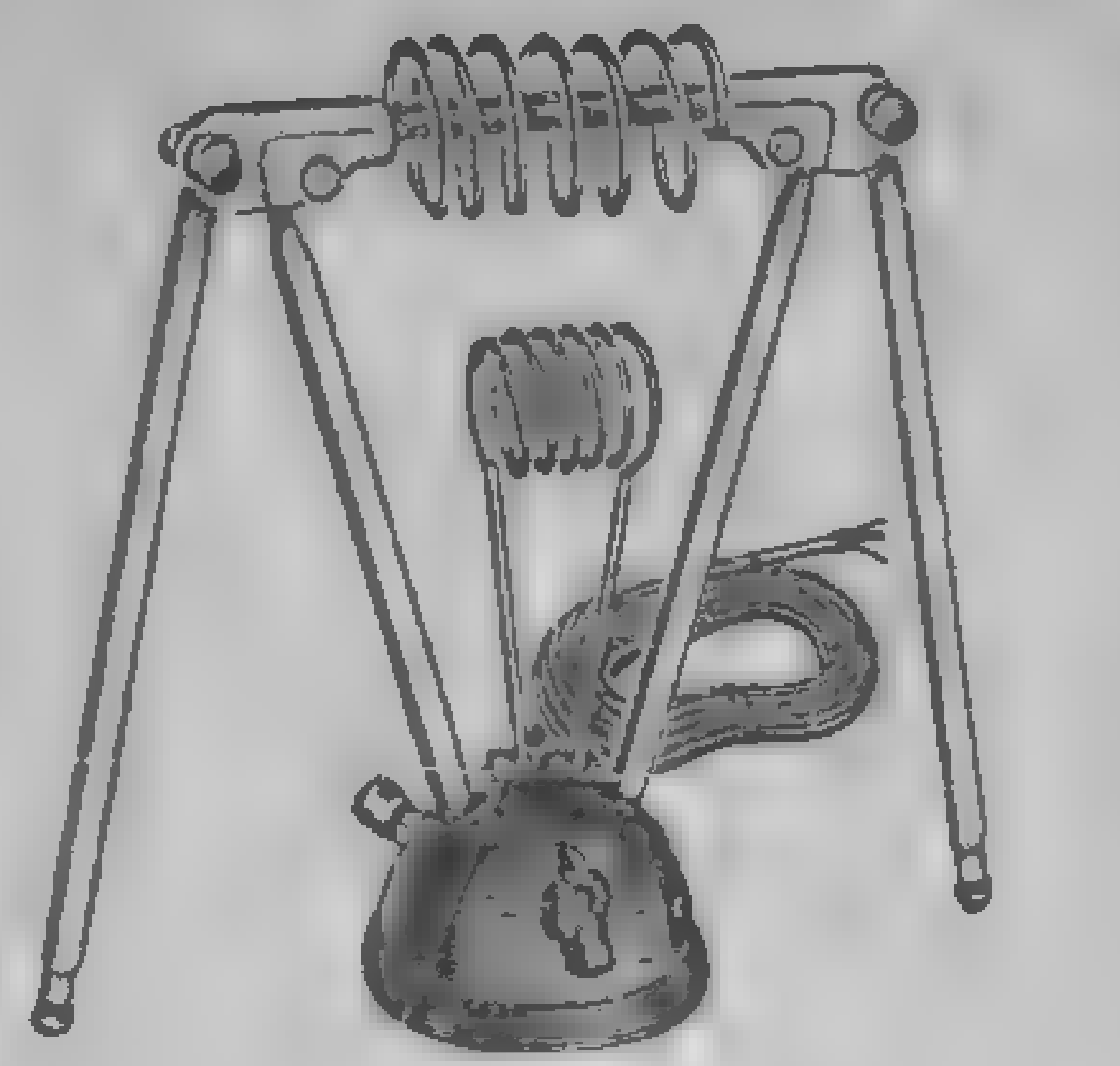
91 CX 219. List, $13.95. **NET...8.20**

KNIGHT VHF ANTENNA

Here's a popular indoor television antenna at unusually low cost. Features efficient, time-proven "rabbit ear" design. For use on VHF channels from 2 to 13—quickly and easily adjusted for clear picture with a minimum of ghosts and interference. Also excellent for FM reception. Uses sturdy, 3-section, brass-plated telescoping elements for convenient adjustment to desired length. Bakelite base is weighted to prevent tipping. Felt padding on base protects TV set. With 3 ft. of 300-ohm twin-line. Shpg. wt., 2 lbs.

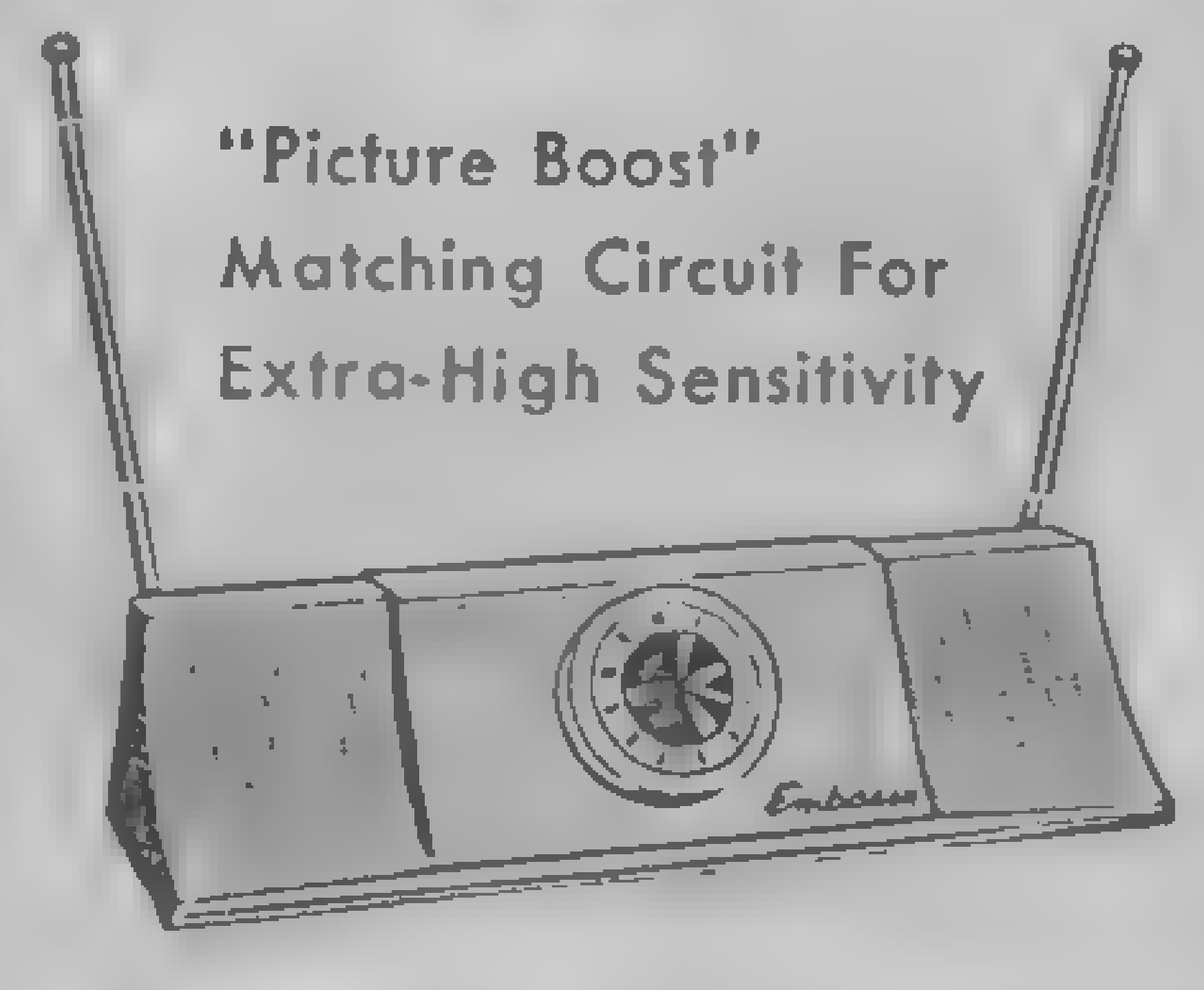
92 CX 025. NET...............1.32

K-G DELTA-BEAM ANTENNA



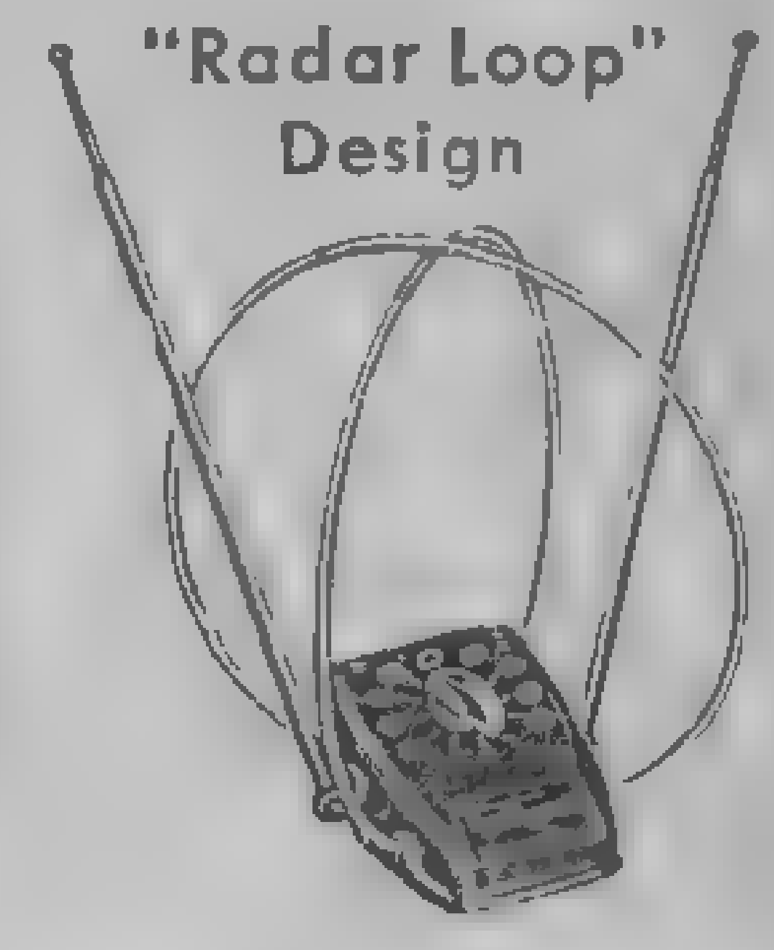
An efficient all-channel indoor antenna providing excellent reception on VHF channels 2-13 and UHF channels 14-83. Six-position switch matches line impedance, tuning antenna to match receiver input. Also has highly effective "ghost" chasing switch. Dipoles are easily adjusted to the length and angle which provides the best picture. Has tip-proof brown bakelite base. Size: 9″ high; each arm extends to 15″. Supplied complete with 6 feet of 300-ohm twin line. Shpg. wt., 2½ lbs.

92 C 013. NET........................5.85


"Picture Boost" Matching Circuit For Extra-High Sensitivity
Embassy

ALL-CHANNEL ANTENNAS

- 12-Position Switch
- 4-Section Brass Arms
- Increased Gain
- Beautiful Finishes



"EMBASSY" VHF ANTENNAS

Extremely popular indoor TV antenna. Features a patented internal circuit for increased gain, and provides excellent reception in metropolitan areas. Exclusive 12-position switch assures sharp, clear pictures on all channels from 2 to 13—eliminates annoying ghosts and interference. Four-section, all-brass telescoping arms extend to 102″; provide the increased signal gain required for reception in unfavorable locations. Complete with 6 feet of 300-ohm twin line. Size, 14x4x3½″. Shpg. wt., 2½ lbs.

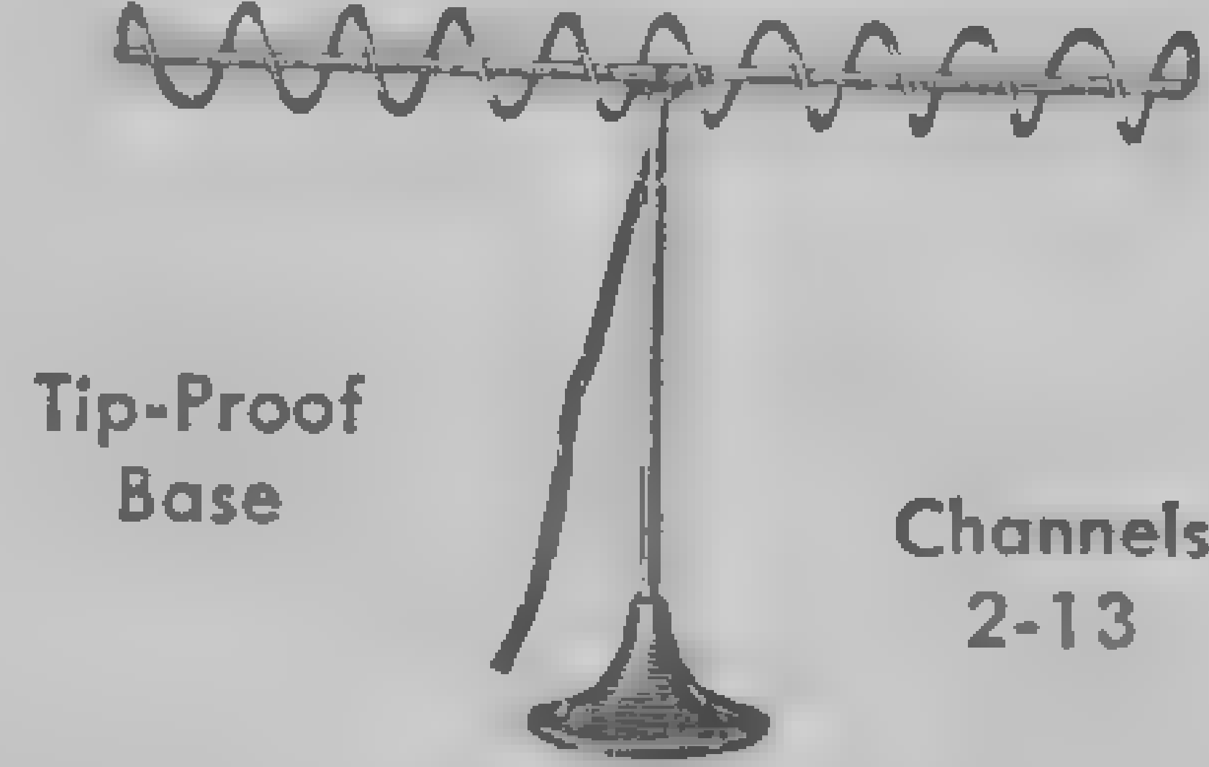
92 CX 066. Mahogany finish.
92 CX 574. Maple Walnut finish.
92 CX 067. Ebony finish.
92 CX 068. Ivory finish.
List Each, $19.95. **NET EACH..9.95**

"REMBRANDT" UHF-VHF ANTENNAS

Indoor antenna featuring "radar loop" design plus all-angle telescoping dipoles. Delivers clear all-channel reception. Convenient 12-position switch permits adjustment of antenna for maximum efficiency—highly effective in eliminating ghosts and interference. "Radar" loops are inductively coupled to the telescoping dipoles. Dipoles and loops can easily be adjusted to provide best reception. Has luminous numerals which are easily visible in darkened room. Wide rectangular base prevents tipping. Complete with twin lead. Shpg. wt., 3½ lbs.

92 CX 062. Mahogany finish.
92 CX 064. Ebony finish.
92 CX 065. Ivory finish.
List Each, $16.95. **NET EACH..9.95**

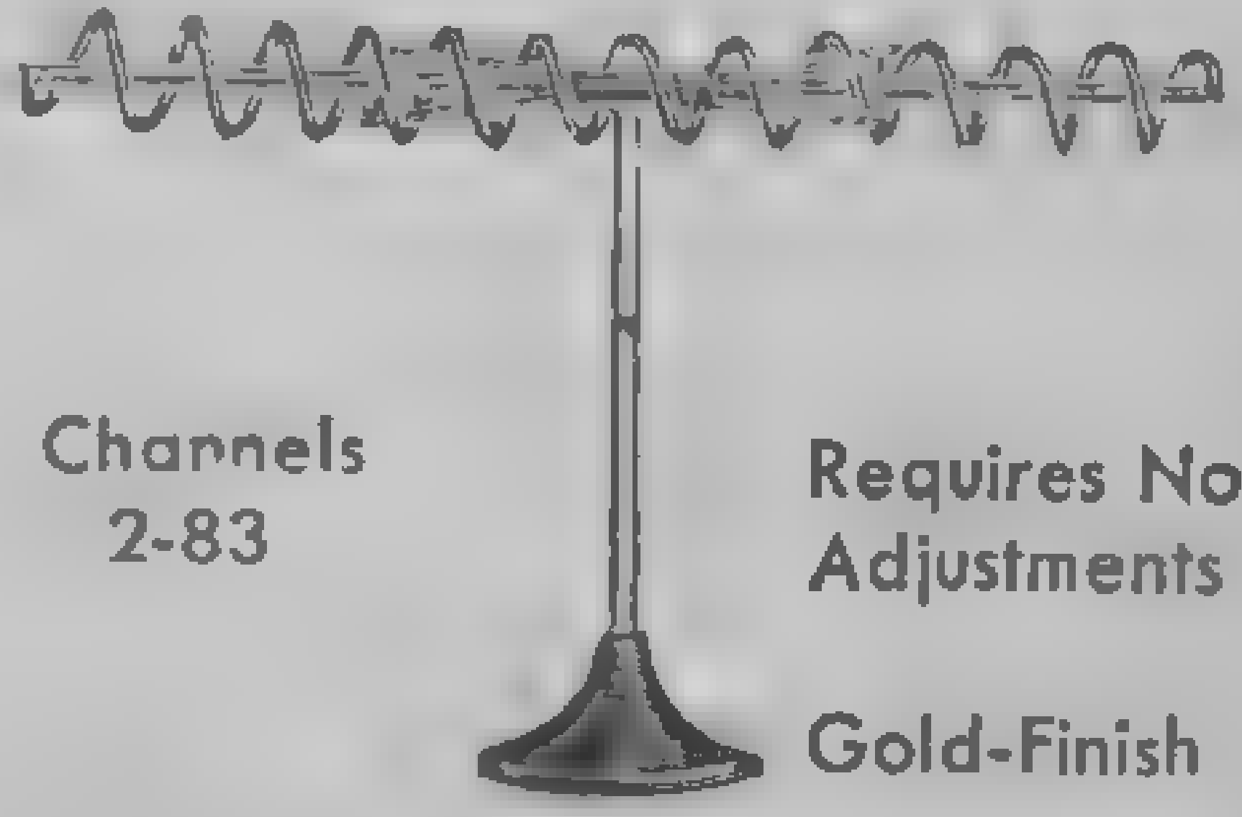
TRICRAFT ANTENNA



Highly efficient VHF indoor antenna for bringing in sharp, clear pictures in metropolitan areas. Carefully engineered helix coil, rigidly mounted on sturdy, mahogany plastic base. For all channels from 2-13. Minimizes "snow," "ghosts," and interference. Requires no adjustment. Tip-proof base. Height, 14″; width (span), 32″. Easy to assemble. Complete with 6-ft. length of 300-ohm twin-line, tipped with spade lugs, for quick, easy installation. Shpg. wt., 2 lbs.

92 CX 126. NET...............4.41

HI-LO ANTENNAS



MODEL 202. UHF-VHF SPIRAL-TENNA. This popular indoor TV antenna provides excellent gain over the entire UHF-VHF bands. Minimizes "ghosts" and interference. Gold finish. Tip-proof base. Height 14″; width (span), 32″. Supplied complete with 6-foot length of 300-ohm twin lead attached. Shpg. wt., 2 lbs.

98 CX 449. NET.............5.85

MODEL 101. VHF. Similar to Model 202 described above, but for VHF reception only.

97 CX 391. NET.............5.58

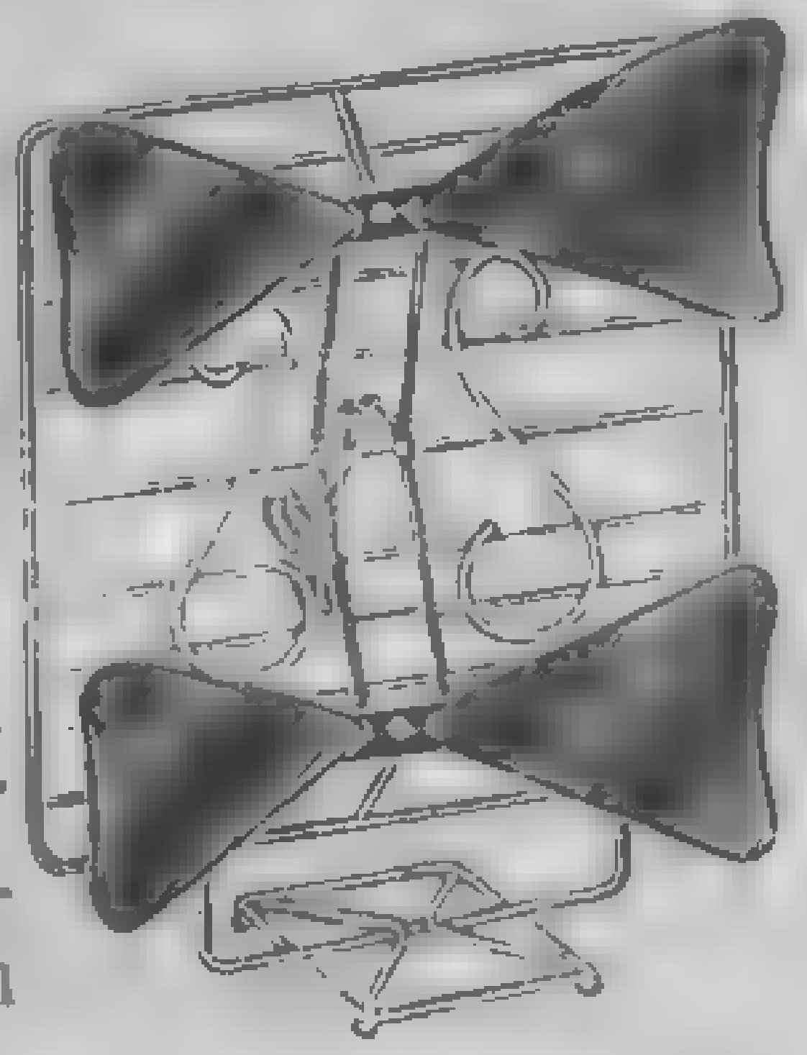
JFD Indoor TV Antennas

MODEL TA-147 UHF-VHF ANTENNA

Famous indoor antenna featuring smart styling and outstanding performance. Has high signal gain; minimizes interference and ghosts. Employs 6-position impedance matching switch; permits adjustment for maximum efficiency on channel being received. Adjustable, 3-section brass dipoles easily positioned for clearest picture. Base is weighted to prevent tipping. Has felt pad; will not mar finish. Includes 5 ft. of 300-ohm twin line and spade lug terminals for quick attachment to TV set. Shpg. wt., 2 lbs.

92 CX 124. NET 2.70

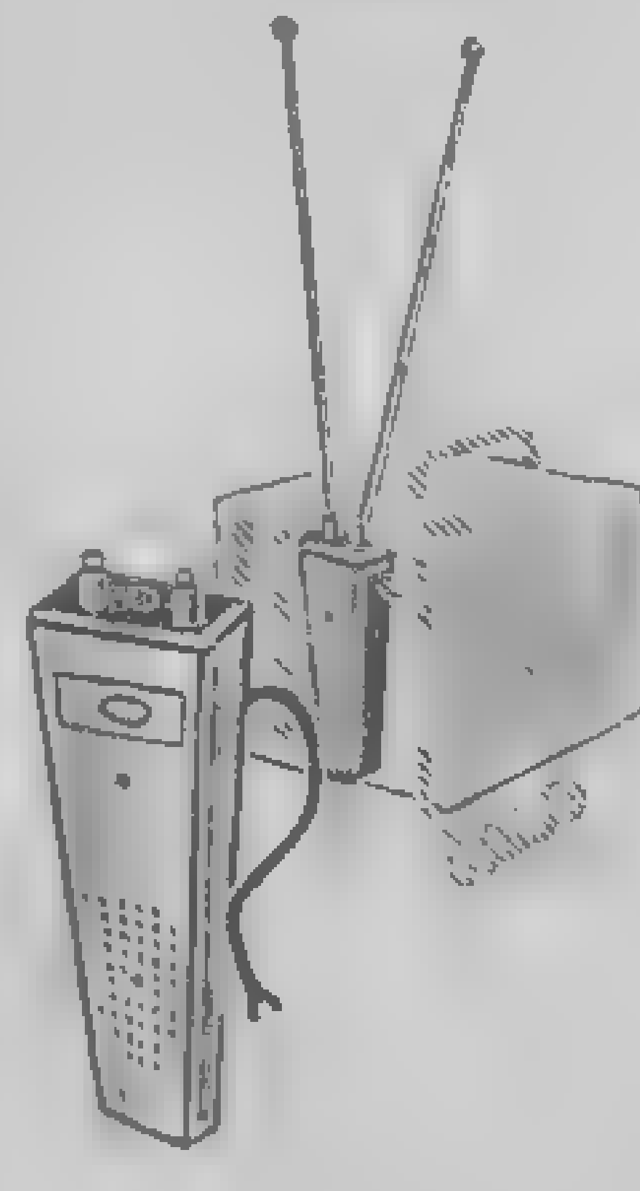
MODEL TA-149 UHF ANTENNA



Carefully constructed indoor antenna for excellent reception on channels 14 to 83—combines twin-bowtie dipoles and a screen reflector for superior picture clarity. Can be used in any strong-signal area. Antenna attractively finished in gold anodizing and jet-black satin enamel. Has tip-proof base with four extremely short legs. Supplied complete with 300-ohm twin lead, tipped with spade lugs for quick connection to TV set. Overall size (HWD) is 12x12x6". Shpg. wt., 2 lbs.

92 CX 598. NET 3.43

"HIDE-A-WAY" VHF ANTENNA

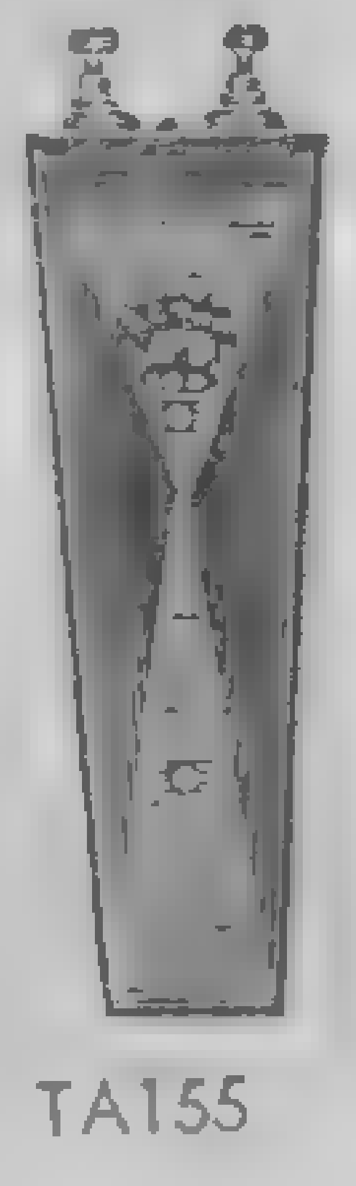


Compact, plastic-cased "Hide-A-Way" antenna. Provides excellent all-channel metropolitan-area reception. Telescoping elements are made of durable, nickel-plated brass tubing. Elements are mounted on ball-joint swivels; rotate 360° for excellent signal pickup from any direction. Case is completely concealed behind TV set—all you see are the elements. 5-section elements telescope to 37". Retract out of sight when not in use. With spade-lug-tipped 300-ohm twin line. Shpg. wt., 1 lb.

92 C 029. NET 1.88

EXACT REPLACEMENT TV ANTENNAS
FOR PORTABLE TV SETS

For Admiral, Emerson, G.E., Philco, Magnavox, Motorola, RCA, Silvertone, Westinghouse and Zenith sets, below. Av. wt., ¾ lb.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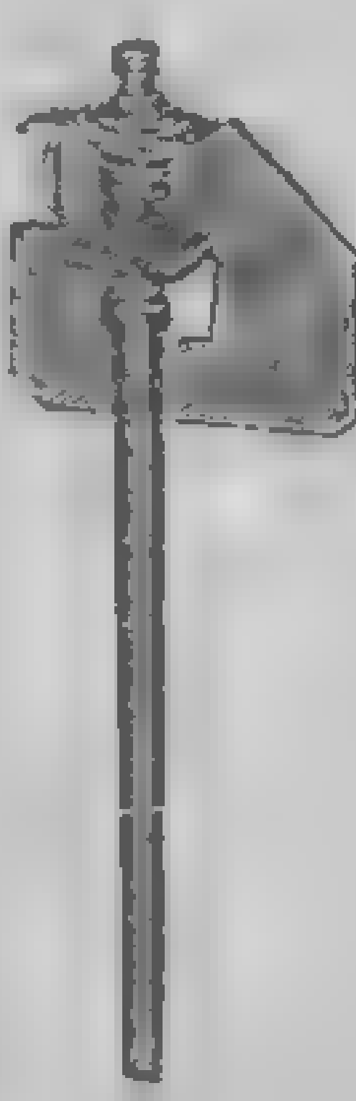
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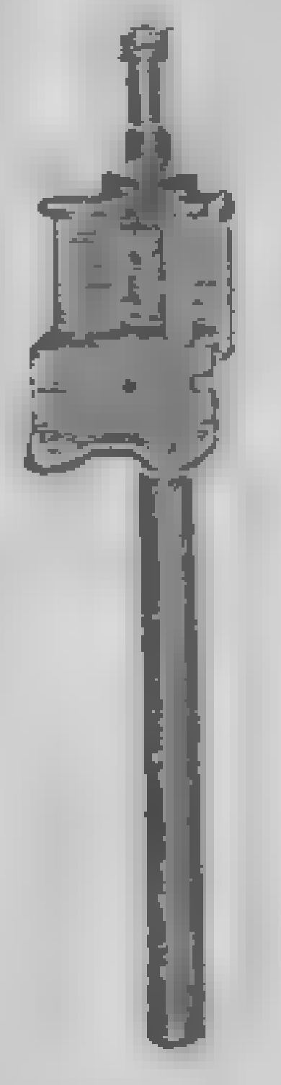
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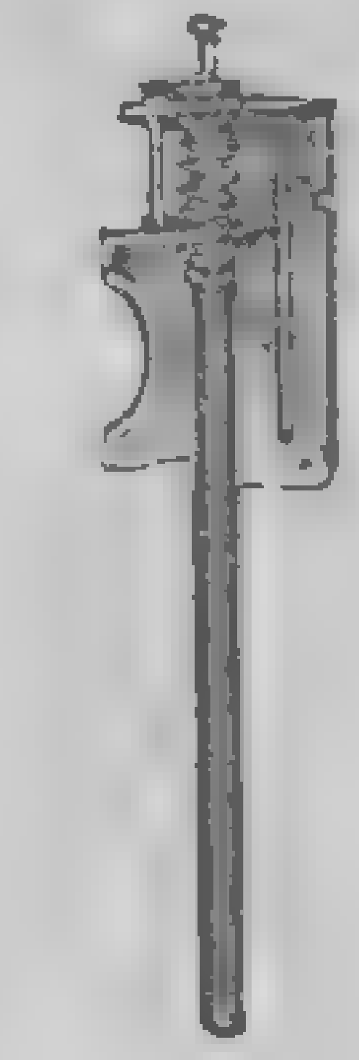
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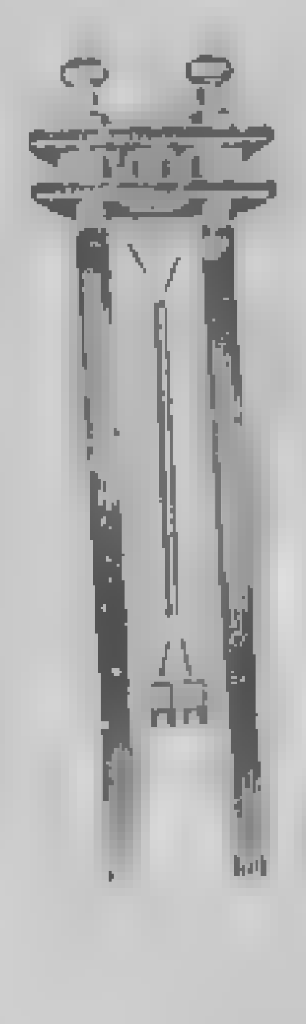
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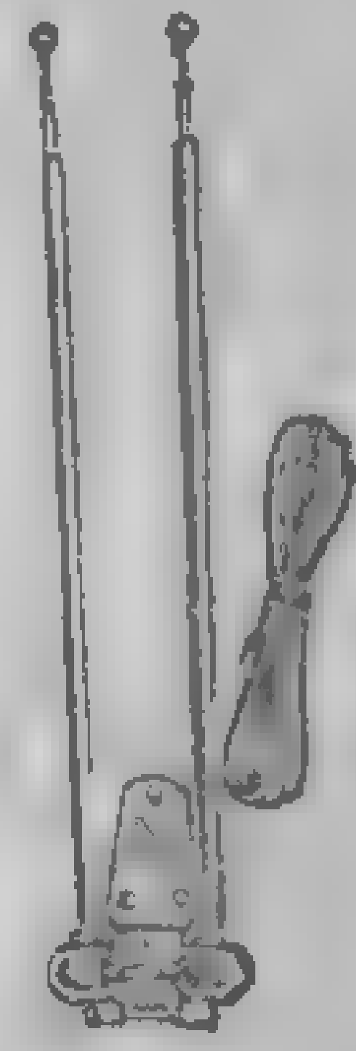
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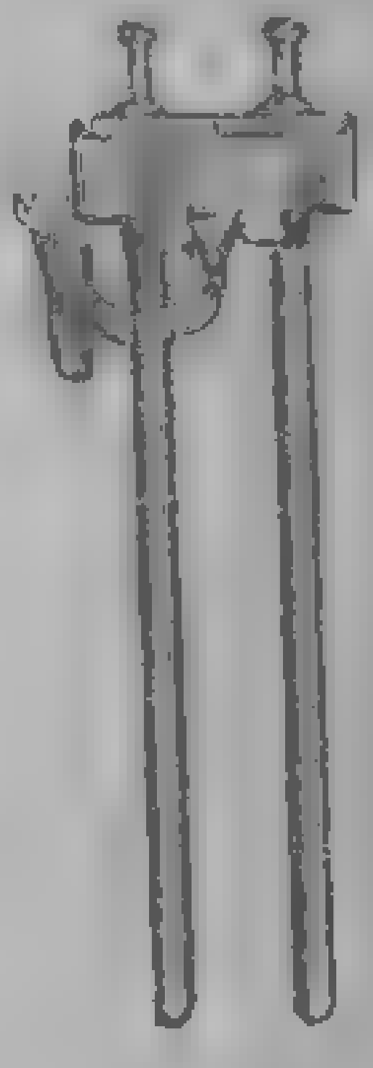
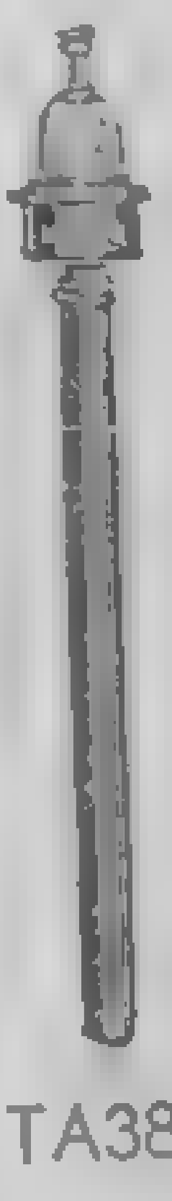

TA362, TA363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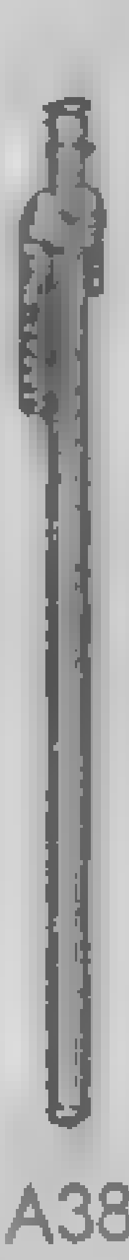
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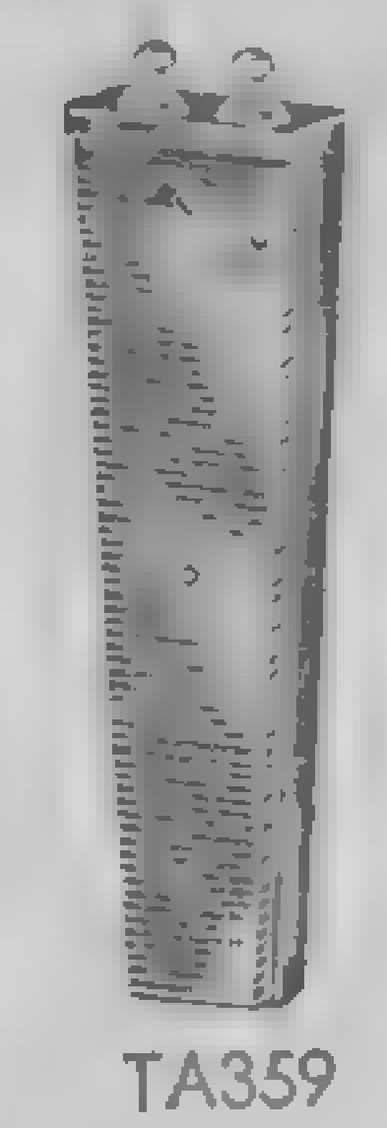
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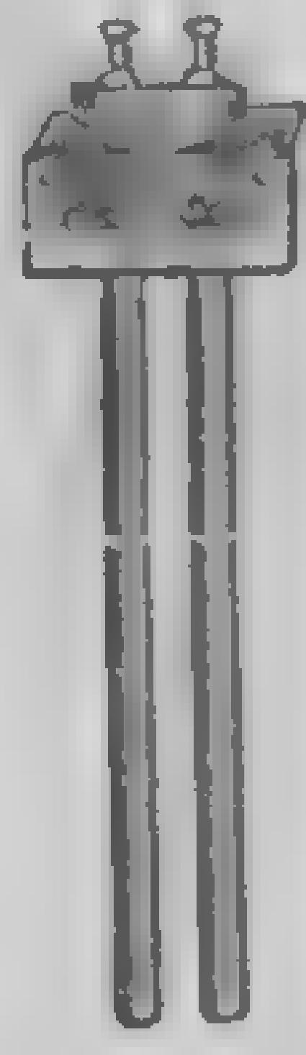
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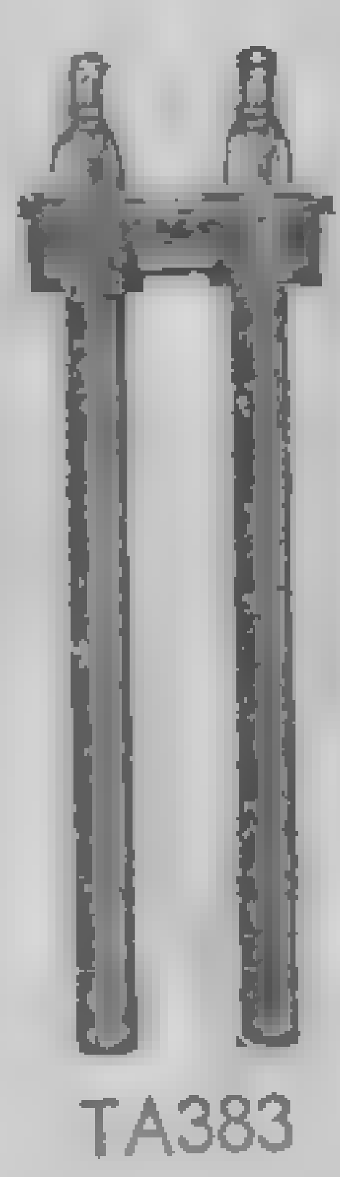
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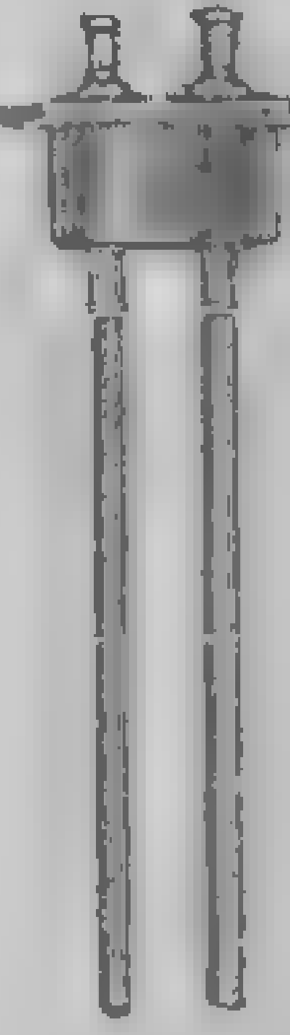
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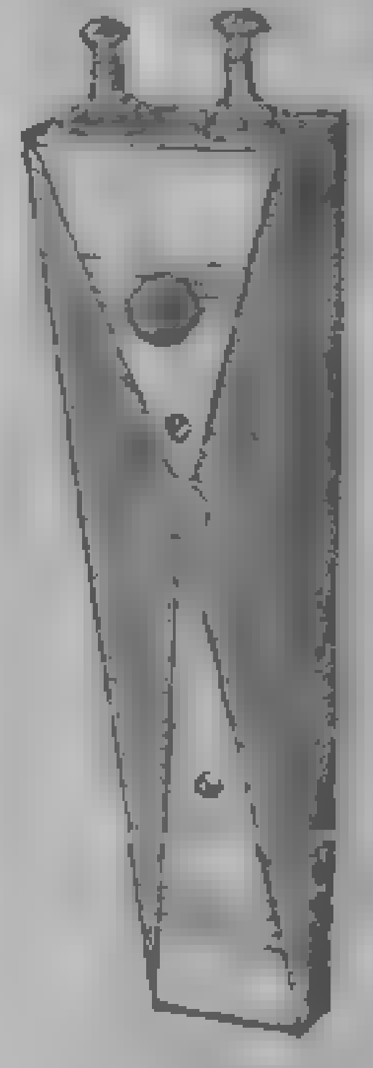

TA380

ADMIRAL

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
91 C 374	TA155	All 1956-57 sets	2.91
78 C 521	TA361	69C220-1; 69C220 5	3.23
78 C 522	TA370	69C238-1	3.67
78 C 523	TA371	69C234-1	3.67

EMERSON

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
91 C 376	TA360	471090	4.50
91 C 377	TA442	471003; 471069; 471076; 471146	2.32

GENERAL ELECTRIC

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
91 C 377	TA442	For 1956-57 sets sold less antennas	2.32
91 C 376	TA360	P125J438-1	4.50
78 C 524	TA362	P125J590 2	5.73
78 C 531	TA363	P125J590-1	5.73

PHILCO

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
78 C 525	TA385	76-10734-2; 76-10734-3; 76-10734-5	3.67
78 C 526	TA386	76-11538-1	3.23

MAGNAVOX

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
91 C 375	TA359	1957-58 17" sets 1959 17" and 21" sets	2.65

MOTOROLA

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
91 C 375	TA359	1V746989 and TK76	2.65

RCA

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
91 C 375	TA359	973447	2.65
78 C 527	TA369	962344 1 thru 10	4.85

SILVERTONE-SEARS

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
91 C 375	TA359	82 116 0	2.65
91 C 376	TA360	82-127-0	4.50
78 C 528	TA383	82-137-0; 82-139-0; 82-164-0	5.44

WESTINGHOUSE

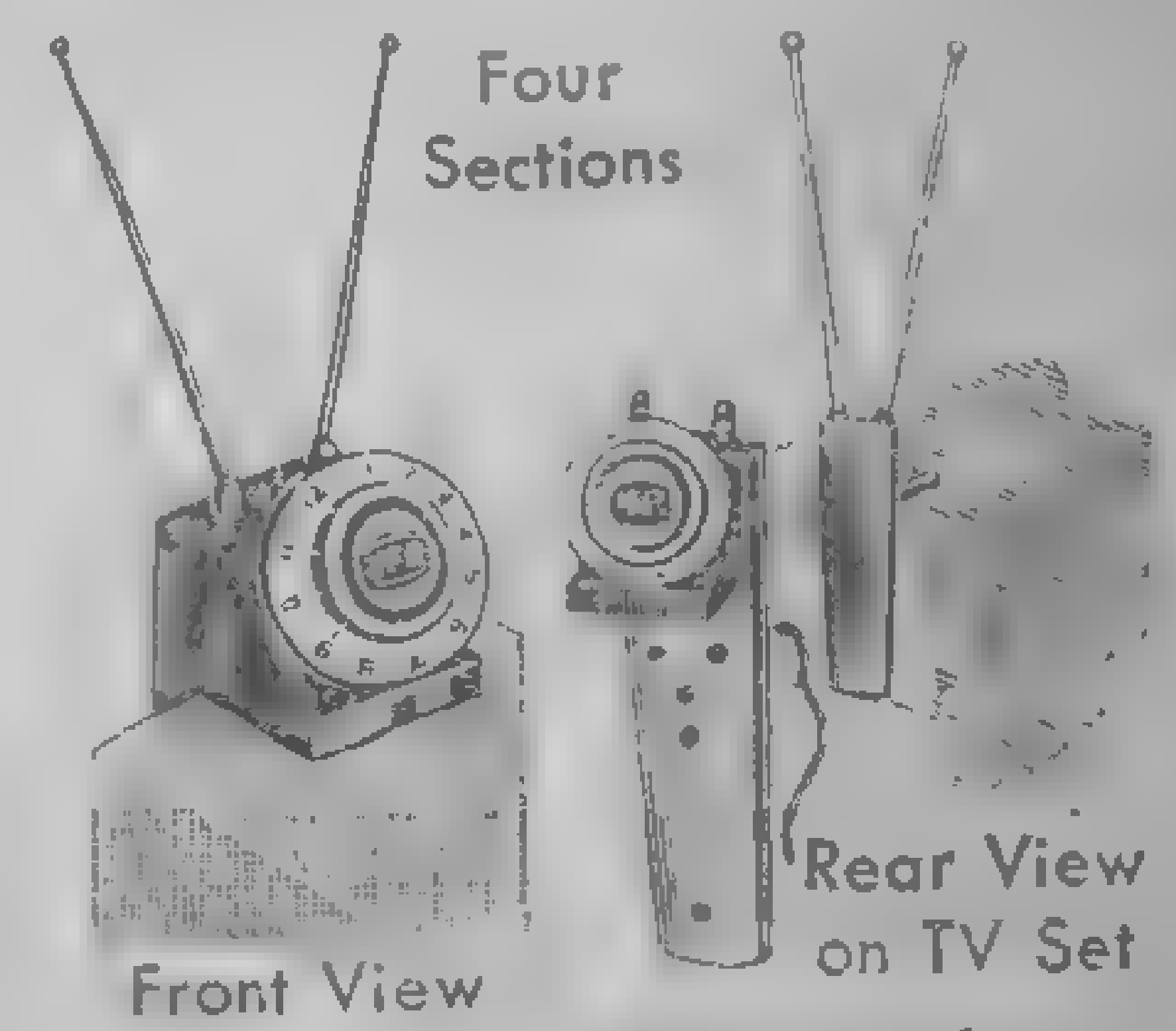
Stock No.	JFD Type	Orig. Mfg. Part No.	NET
91 C 374	TA155	1956 and 1957 sets	2.91

ZENITH

Stock No.	JFD Type	Orig. Mfg. Part No.	NET
78 C 529	TA373	S46769	4.85
78 C 530	TA380	S43260 and S43280	3.67

"MERLIN" UHF-VHF ANTENNAS

- **Convenient Back-of-Set Mounting**
- **12-Position Rotary Selector Switch**
- **Elements Have Ball-Swivel Bases**

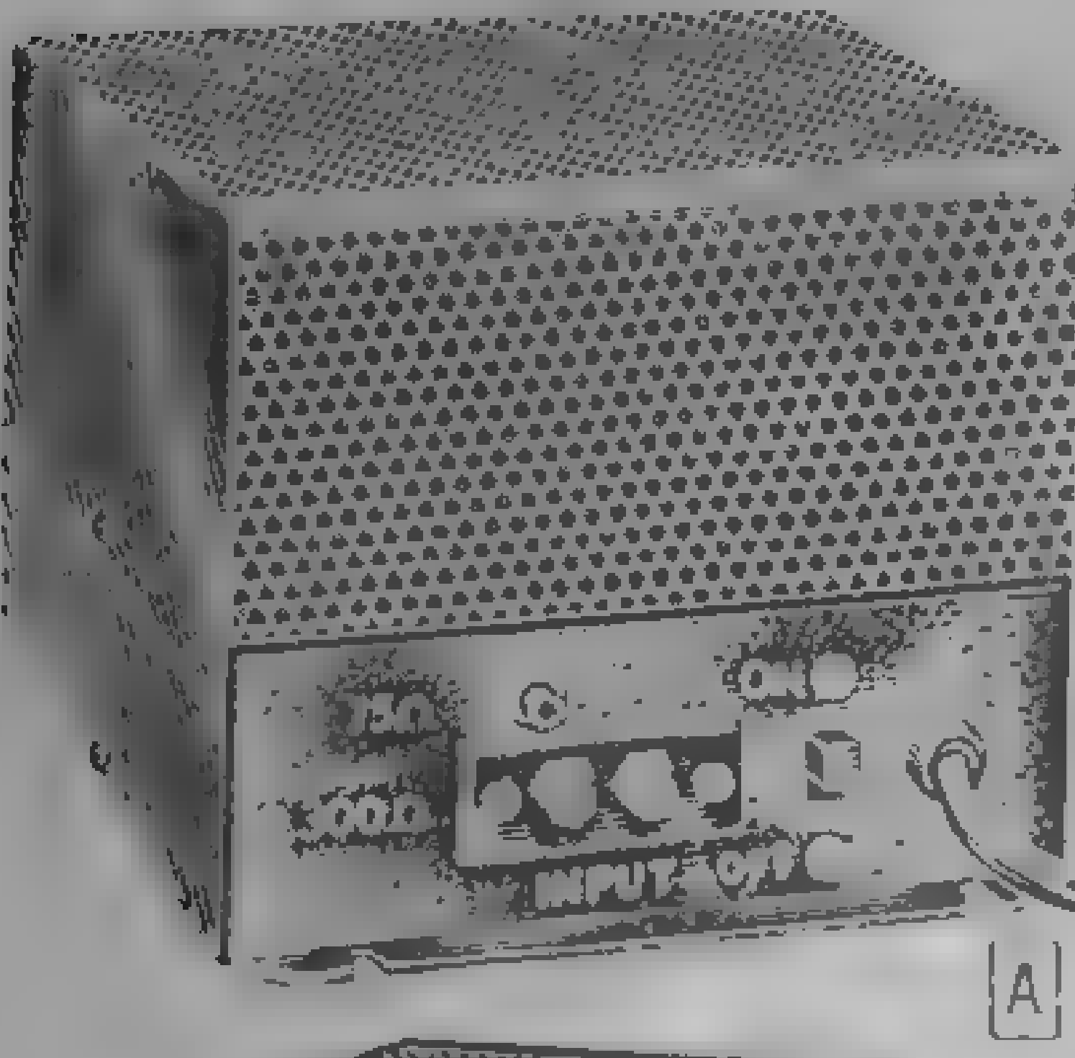


Highly-efficient, fully-adjustable indoor antenna—provides excellent reception on both UHF and VHF channels in strong-signal areas. Features up-to-the-minute back-of-set design—mounts with only the rotary selector switch and elements in view. Employs smooth-working, 4-section elements that adjust for best picture; each element is mounted on a ball-swivel to permit positioning for angle of optimum reception. 38" elements telescope conveniently out of sight when not in use. Large, easy-to-read dial has twelve positions to provide extra-sharp pictures and clear sound. Lustrous plastic construction blends well with the styling of any TV set. Attaches easily and securely to back of set with screws supplied. Includes 300-ohm twin line with spade lugs attached and easy installation instructions. Shpg. wt., 1 lb.

92 C 572. Model L 20. Mahogany. **NET**
92 C 573. Model L10. Ivory. **EACH** 5.30

Blonder-Tongue TV Equipment

TV BOOSTERS AND DISTRIBUTION SYSTEMS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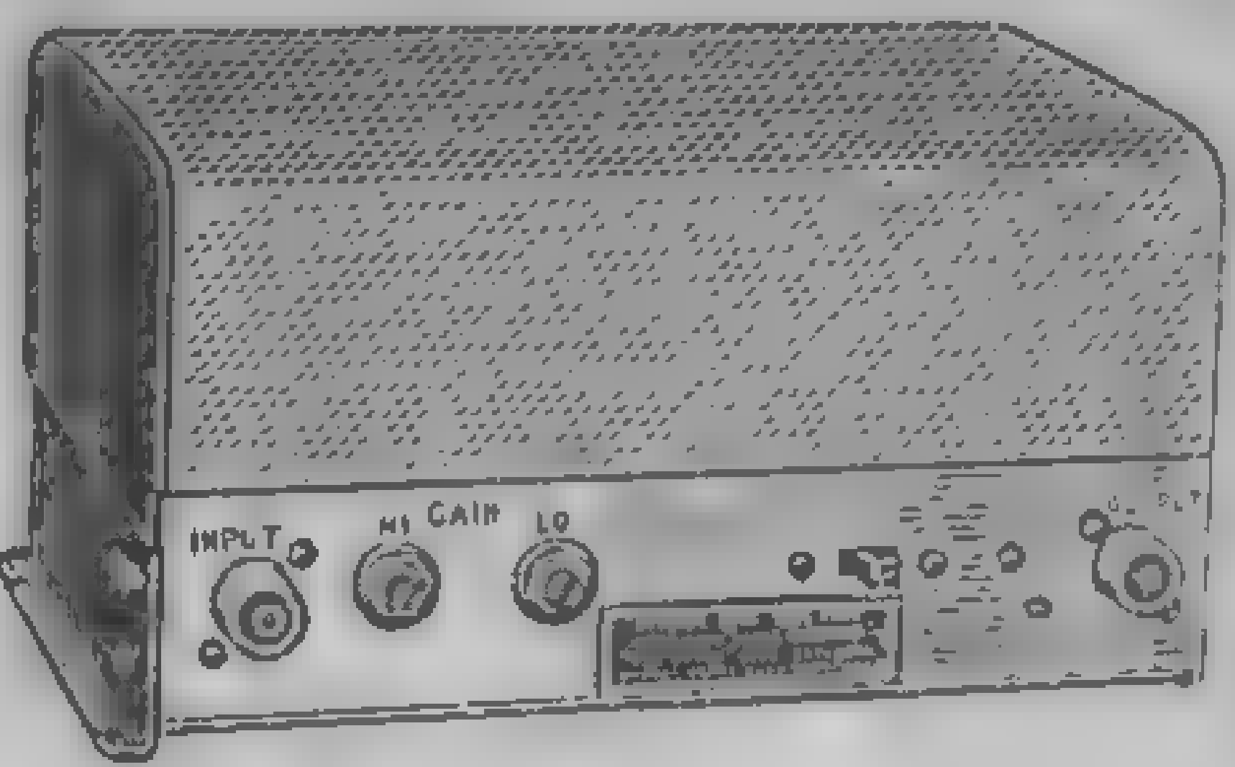
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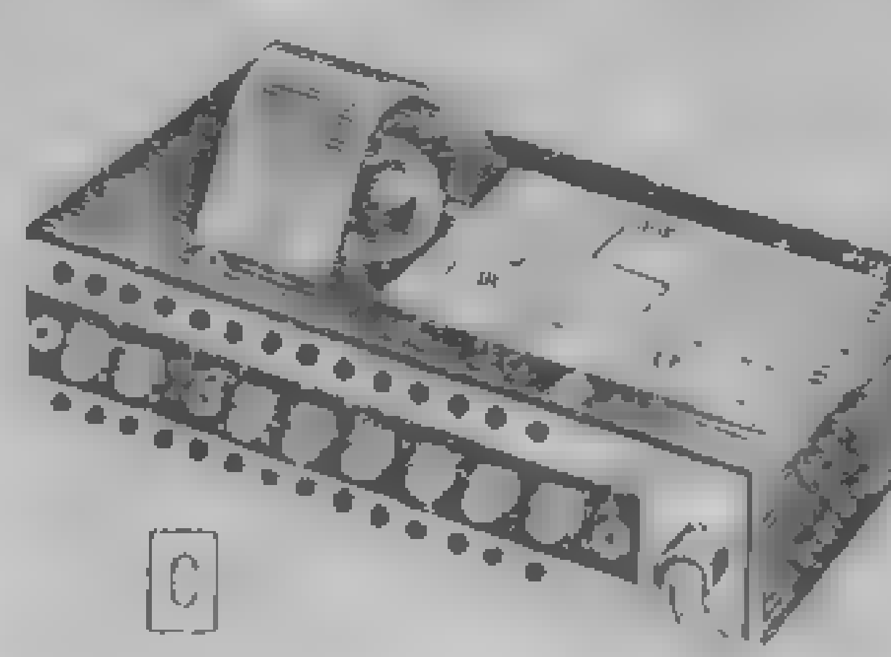
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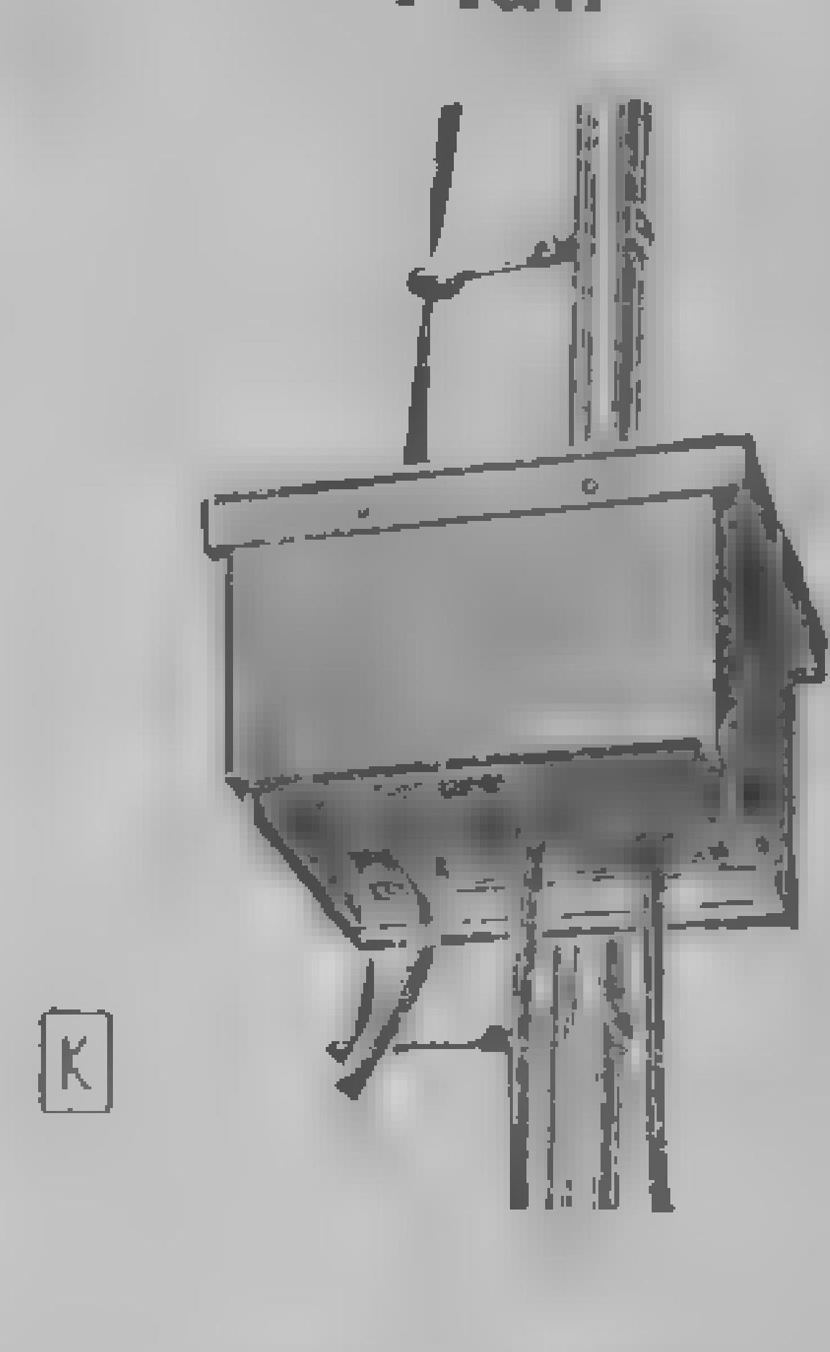
Use Allied's
Easy Pay
Plan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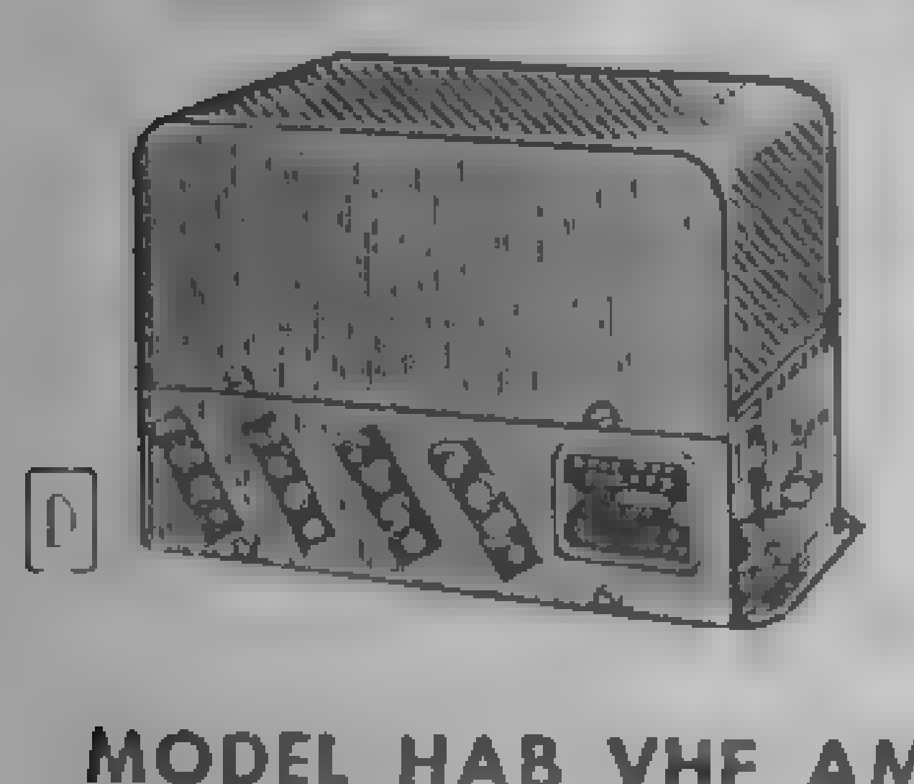
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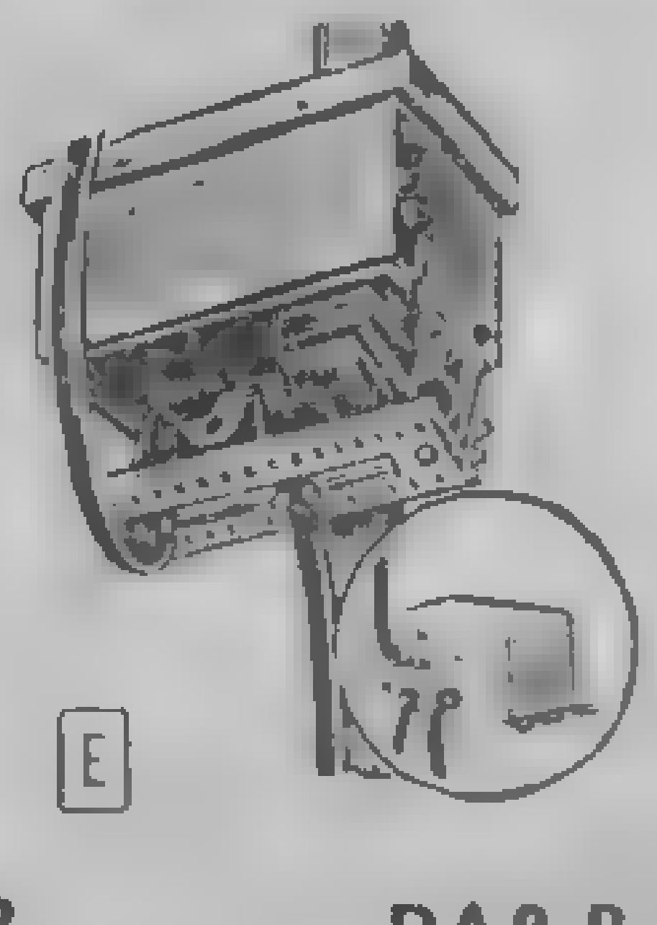
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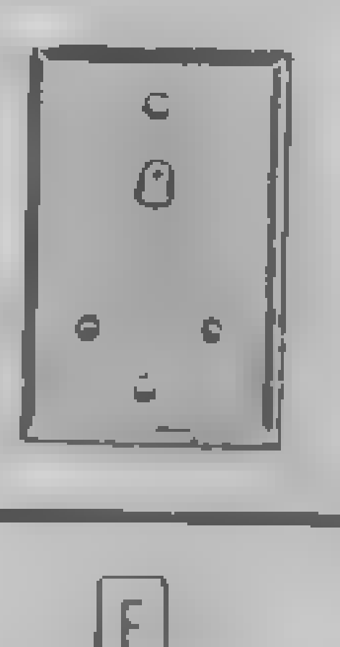
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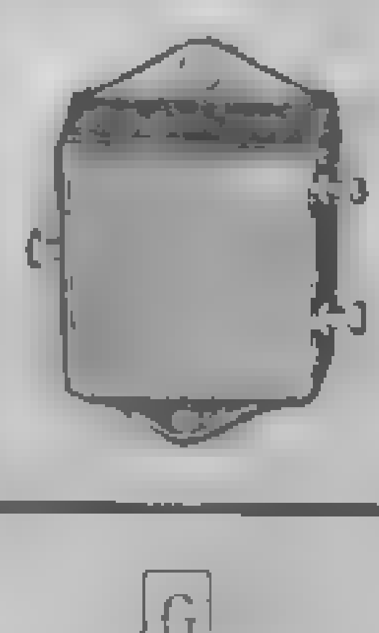
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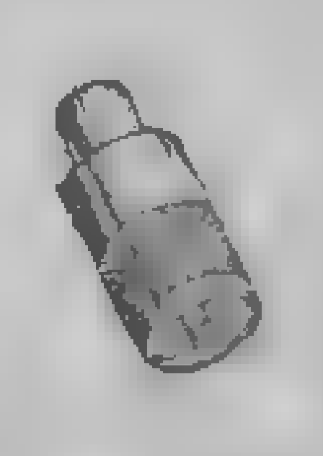

J

MODEL HAB VHF AMPLIFIER

A Efficient, high-gain VHF television and FM amplifier. Provides more than 23 db gain on all channels from 2 to 13, and on the FM band. Ideal as a preamplifier for home or small master TV antenna systems. Permits brighter, sharper pictures and increases number of TV stations set can pick up. Uses one 6DJ8 and two 6EW6 tubes to provide highest possible signal-to-noise ratio with maximum reliability and long life.

Features "no strip" 300-ohm terminals and 75-ohm solderless coax connectors for input and output—can use 300-ohm twin line or 72-ohm coaxial cable.

In compact, sturdy, ventilated metal cabinet. 6x5¾x4⅜". For 110-120 v., 60 cycle AC. Shpg. wt., 4½ lbs. *$2 Down.*
93 T 078. List, $69.50. NET...... **40.87**

MLA-B VHF TV SIGNAL AMPLIFIER

B The "Masterline" VHF TV signal amplifier. Provides an effective signal boost of not less than 40 db. Assures a maximum output of 1.7 volts rms on each band—flat within 2 db. It is excellent where very long transmission lines weaken signal. May be installed in coax line going to single TV set, or used with antenna distribution system such as the DA8-B at right in installations feeding 2 or more TV sets from 1 antenna. Several "Masterlines" may be placed in cascade when extremely long transmission lines are used.

Offers maximum fidelity for color TV as well as black-and-white sets. Gain is adjustable on high and low bands. Response flat within ±.5 db over any 6 mc channel. Unit is self-powered and employs seven tubes.

Cascode amplifying circuits assure minimum noise level. 75 ohm coax input and output connectors. Overall size, 9x6x5" deep. In perforated gray metal cabinet. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 9 lbs. *$5 Down.*
92 T 090. List, $142.50. NET...... **87.71**

B24 TV BOOSTER-COUPLER

C Highly efficient booster-coupler unit. Permits using a single TV antenna with two TV sets. Provides excellent isolation between sets to assure minimum interaction. Boosts signal strength of VHF stations (channels 2-13) up to 10 db when using one or two TV sets on a single antenna. Wide frequency response assures excellent performance when used with black-and-white and color TV sets as well as FM receivers.

Has low noise broadband circuit—requires no tuning. Quickly, easily installed—simply attach to antenna terminals. Extremely compact chassis; may be installed out-of-sight at rear of one of sets, or may be placed in any other convenient location. Input and output impedance, 300 ohms. Size, 3¾x6¼x2½". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 1½ lbs.
92 T 342. List, $24.95. NET... **15.63**

DA8-B VHF DISTRIBUTION SYSTEM

D A versatile, combination booster and isolation-distribution system for use with up to 8 TV sets. Features exclusive low-noise all-triode circuitry. Requires no tuning, matching devices or preamplifiers. Ideal for use in small apartment buildings, hotels, motels, and other small master TV systems. Permits operating up to 8 TV sets from a single antenna. 22 db minimum isolation between output circuits prevents interaction between TV receivers. Provides 10 db gain to each TV set to assure full-strength signals. System overload is prevented through a 10-1 gain control range. Has inputs for 75- or 300-ohm line. Eight outputs accommodate 75- or 300-ohm line; one of these outputs may be used to feed another DA8-B to permit hook-up of additional TV sets. Unit includes power supply, terminating resistors and grounding clamp. Screw terminals permit fast installation. Designed for long life, continuous duty operation. Overall size, 5x9x5½". For 110-120 v., 60 cycle AC. Shpg. wt., 6 lbs. *$5 Down.*
98 T 220. List, $94.50. NET...... **57.33**

MODEL AB-2 VHF BOOSTER

E Antenna mounting booster amplifies all VHF stations (channels 2-13) up to 12 db. Weatherproof amplifier may be located up to 500 feet from remote control at TV receiver. Installation at antenna permits amplification of TV signal with no increase in line noise picked up on lead in. Operating power is delivered to booster by the same line that carries TV signal from antenna to TV set—no separate line is required. Uses 6DJ8 tube to provide highest possible signal-to-noise ratio with maximum reliability. Operation is automatic—booster turns on and off at remote control. 300-ohm input and output; has stripless 300-ohm terminals for all connections. Extremely easy to install.

Amplifier unit is fully enclosed in a sturdy, metal weatherproof housing. Amplifier size, 6⅞x3⅞x4½". Remote control size, 5x2⅞x3⅜". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 7 lbs. *$2 Down.*
92 T 545. List, $53.95. NET....... **31.75**

MODEL AB-FM FM BOOSTER

E New antenna mounting FM booster for improved listening in weak-signal or fringe areas. Provides more than 16 db gain over the entire FM band (88-108 mc) with better than 5 db noise figure. Weatherproof amplifier may be located up to 600 feet from remote control unit at receiver. Mounting booster at antenna permits boosting signal without increasing noise picked up on twin lead.

Operating power is carried to booster by 300-ohm twin lead from antenna—no separate lead is required. 300 ohm "no-strip" terminals. Amplifier, 6⅞x3⅞x4½"; remote control, 5x2⅞x3⅜". For 110-120 v., 60 cycle AC. Shpg. wt., 7 lbs. *$2 Down.*
93 T 104. List, $53.95. NET....... **31.75**

MULTIPLE TV CABLE TAPOFFS

F **G** "Masterline" solderless TV antenna cable tapoffs for use in multiple TV set installations. Available for flush-mounting (Fig. F), or surface-mounting (Fig. G). All have 75-ohm coaxial input and output connectors, except * 75-ohm input and 300-ohm screw-type output terminals; and †300-ohm input and output. Use 17 db isolation (to prevent interaction between TV sets) at strong signal points—use less isolation at weak signal points or where sets are not operated simultaneously. With coax connector plugs. Sizes: Fig. F, 4½x2¾x1½"; Fig. G, 2x2x1". Av. wt., 4 oz.

Stock No.	Type	Fig.	Isolation	Outlets	EACH
93 T 105	TF-771B	F	17 db	1	2.30
93 T 106	TF-772B	F	17 db	2	3.43
93 T 107	TF-771	F	None	1	1.57
93 T 108	TS-772	G	3 db	2	3.04
93 T 109	TS-774	G	6 db	4	4.41
93 T 110	TF-731*	F	None	1	2.55
93 T 111	TF-731B*	F	17 db	1	1.76
93 T 114	A-331†	G	11 db	1	1.57

H **Model MT-11 Outdoor TV Cable Tapoff.** Weatherproof, spliceless, coaxial TV cable tapoff for multiple TV set installations. Features simplified 3-piece assembly for quick and easy connection—fits either RG11/U or RG59/U cables. Provides 17 db isolation to minimize interaction between TV sets operating simultaneously. Less than ½ db insertion loss. Has a built-in blocking capacitor for electrical protection. Size, 2¼x1x2¼". Shpg. wt., 6 oz.
93 T 112. List, $4.95. NET......... **2.89**

J **Model P-59S Male Connector.** For use on "Masterline" Model MLA-B signal amplifier. Fits Type RG-59/U coaxial cable. Shpg. wt., 3 oz.
51 C 113. List, $1.55. NET EACH..... **98c**

Model P-11S Connector. As above, but for RG-11/U coax cable.
51 C 114. List, $1.55. NET EACH.... **98c**

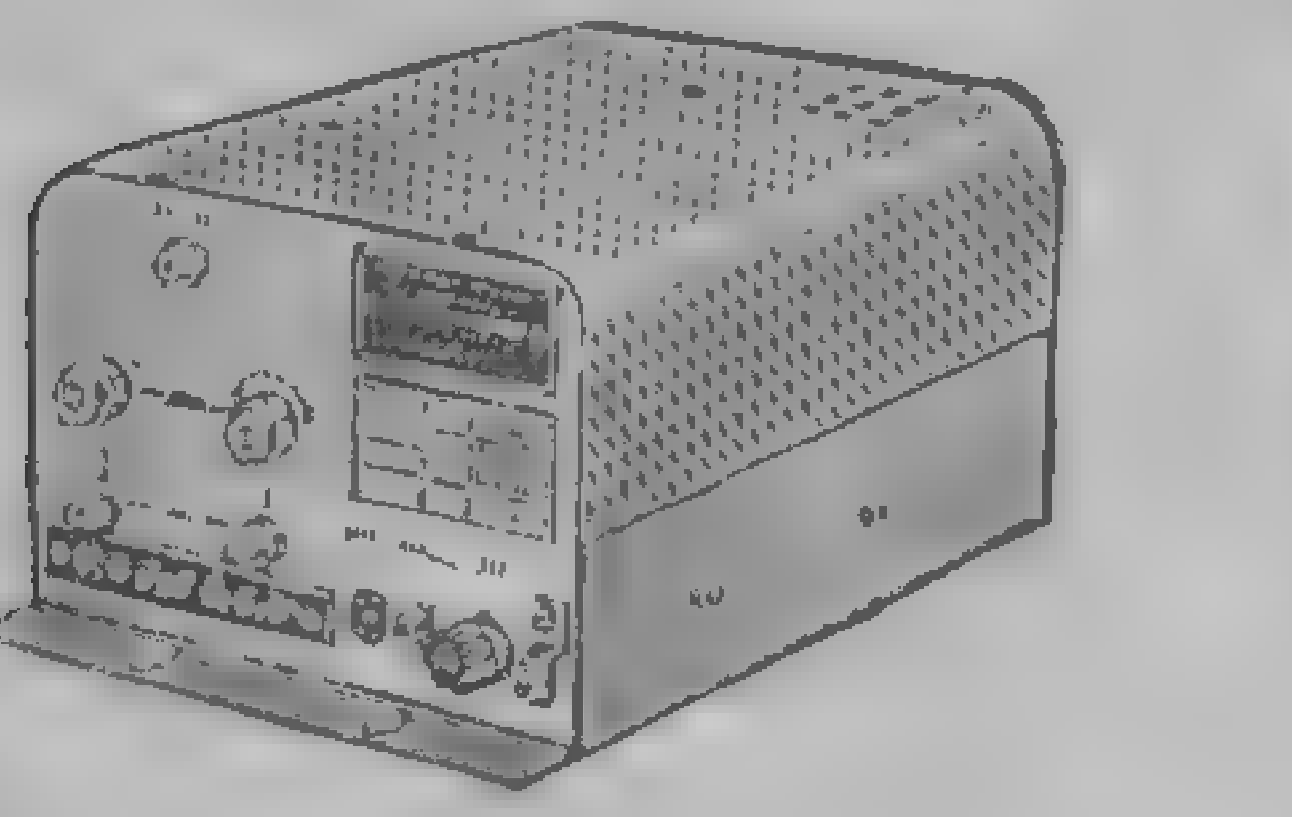
CB SINGLE-CHANNEL TV BOOSTER

K An excellent, single-channel, antenna-mounted TV amplifier for improving reception in weak-signal areas. Used indoors, it provides ample gain as a booster for a single TV channel. Provides more than 15 db gain on any one of 12 channels from 2 thru 13. Can be used in series, one for each channel. Input is 300 ohm no-strip terminals for attaching twin lead; output is two 75-ohm solderless coax connectors. Uses one 6DJ8 tube for extremely high signal-to-noise ratio.

Metal weatherproof housing fully encloses amplifier unit. Amplifier size, 7x5¾x4⅜". For 110-120 volts, 60 cycle AC. Shpg. wt., 3½ lbs. **Amplifier offered in 12 different models, each tuned to a different channel. Specify channel desired.** *$2 Down.*
93 TT 113. List, $52.50. NET..... **30.87**

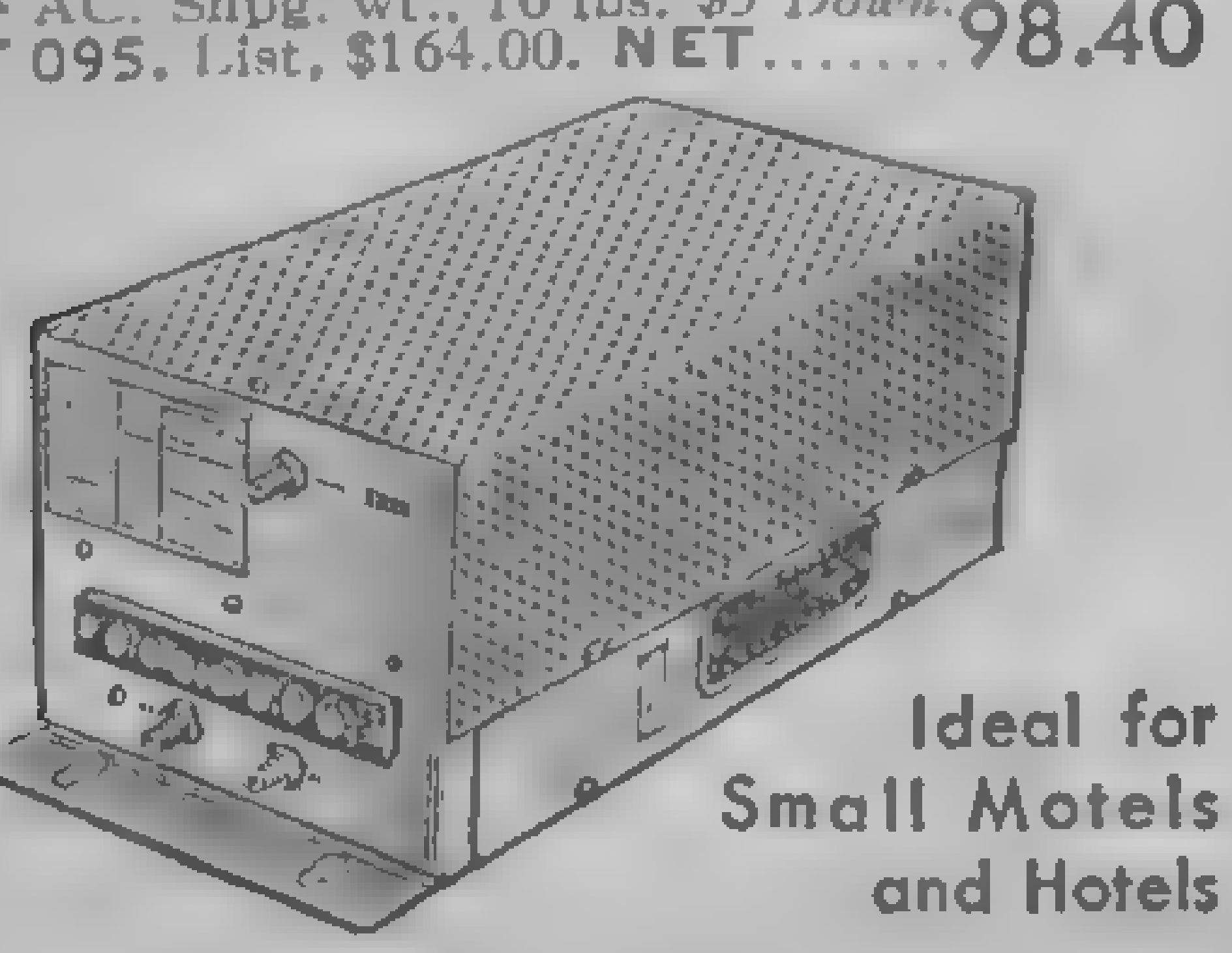
Jerrold TV-FM Accessories

TV DISTRIBUTION AMPLIFIERS FOR MULTIPLE TV INSTALLATIONS



- Ideal For Hotels and Apartments
- 38 db Minimum Gain—0.3V Output

MODEL 2300. Deluxe distribution unit. Amplifies signal from master antenna and feeds it to branching system. See Model 1562 and 1514 splitters below. Ideal for large systems—hotels, motels, and apartment buildings. Provides undistorted reproduction of signals over long distances of coaxial cable in community cable systems. Designed for continuous 24-hour operation. Simple installation. 300-ohm or 72-ohm input; 72-ohm output. 38 db gain. Maximum input: 26,000 µv. Output: 0.3 volts. No need for external line equalizers. Flat response for color operation. Ground clamp for lightning protection. 11x7¼x5¼". For 110-120 v., 60 cycle AC. Shpg. wt., 10 lbs. *$5 Down.*
93 T 095. List, $164.00. **NET**.......98.40



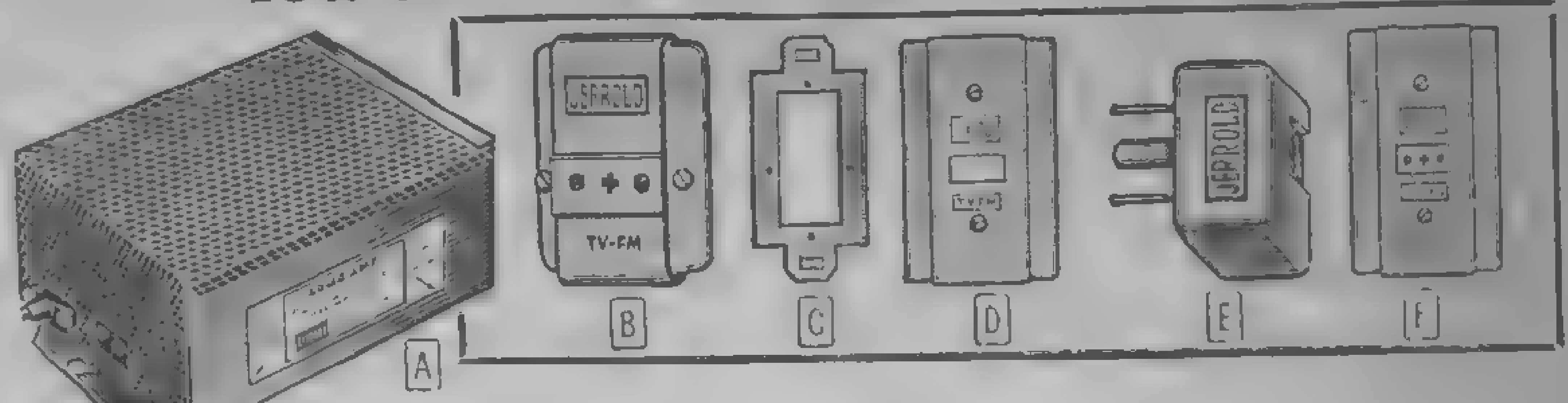
Ideal for Small Motels and Hotels

- 25 db Minimum Gain—0.1V Output
- For TV Dealer Display Rooms

MODEL ABD-1. Low cost TV signal amplifier for use with master antenna systems. Ideal for dealer display rooms, small hotels, and garden courts. Latest cascode circuitry—top mechanical design. Delivers strong, snow-free pictures. Covers entire VHF TV band. Minimum gain 25 db. Undistorted output of 0.1 v. Input either 72 or 300 ohms. Maximum input: 5500 µv. Separate high and low band antennas may be used. Output is 72 ohms. Screw terminals. For multiple trunk line applications output is divided with Model 1562 or 1514 splitters. Units may be cascaded. Has self-contained power supply. 11x4x5". For 110-120 v., 50-60 cycle AC. Wt., 7½ lbs. *$5 Down.*
93 T 096. List, $99.50. **NET**........59.70

MODEL ABD-8. Same circuitry as ABD-1 except output. 15 db gain at each of eight F-61 output terminals. 11x4x5". For 110-120 v., 50-60 cycle AC. Wt. 7½ lbs. *$5 Down.*
93 T 097. List, $99.50. **NET**........59.70

LOW-COST TV-FM DISTRIBUTION SYSTEM



MODEL HSK-300 TV-FM DISTRIBUTION SYSTEM KIT

NET
$43⁹⁸
$2 down

A complete low-cost TV-FM signal distribution system for the home. Provides high-quality TV and FM signals at convenient outlets in every room of your house. Entire system is carefully matched for clear, sharp pictures and excellent FM radio reception. System electrically isolates all TV and FM sets from each other—prevents interference between sets. Contains all equipment necessary for a complete economy-priced signal distribution system installation. Consists of: highly efficient HSA-46 Home Amplifier, five HS 140 flush-mounting outlets and twelve HS-36 strip insulators (described below), and 100 foot coil of 300-ohm twin-line lead. Installation is quick and easy—all you need is a screwdriver. U.L. Approved amplifier. For 110-120 v., 50-60 cycle AC. Wt. 6 lbs. *Only $2 Down.*
93 TX 094. List, $67.75. **NET**......43.98

MODEL HSA-46 HOME AMPLIFIER

[A] Low-noise, high-output amplifier for distributing VHF TV and FM signals from one antenna. Helps give clear, undistorted reception in fringe areas. May be used with inputs up to 30,000 microvolts. Response is flat within ±1 db. Output VSWR is 1.8:1; gain, over 15 db. Printed circuit uses silicon rectifiers for continuous, trouble-free service. Has 2—6BK7A dual triodes. 300-ohm input and output. 9⅟₁₆x5⅝x3½". U.L. Approved. For 110-120 v., 50-60 cycle AC. Wt., 3 lbs. *$2 Down.*
93 T 087. List, $49.95. **NET**....... 33.30

DISTRIBUTION SYSTEM TAPS AND ACCESSORIES

[B] **93 T 088. HS-21.** Surface-mounting tap. 10 db isolation. 2 oz. **NET**...........87¢

[C] **93 T 089. HS-22.** Ring for flush-mounting HS-21 in outlet box. 2 oz. **NET**...18¢

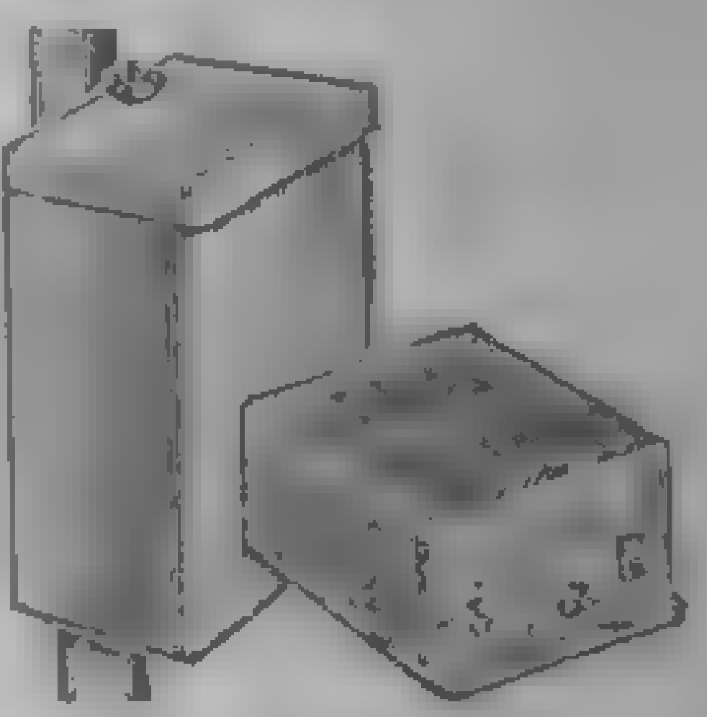
[D] **93 T 090. HS-23.** Ivory cover plate, in standard outlet size. 2 oz. **NET**.......30¢

[E] **93 T 091. HS-24.** Twin-line plug. Attaches without stripping. 1 oz. **NET**......30¢

[F] **93 T 092. HS-140.** Flush mounting outlet with plug. Mounts in wall aperture or in standard plastic outlet box. Consists of an HS-21 tap, an HS 22 mounting ring, an HS 23 cover plate, and HS 24 twin line plug. Shpg. wt., 4 oz. **NET**. . . . 1.65

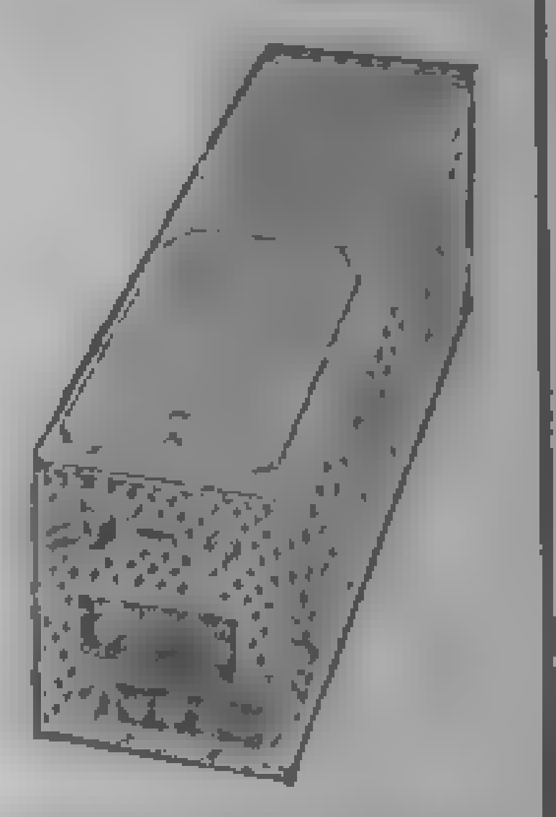
93 T 093. HS-36. Strap insulators—to install twin lead indoors. 1 oz. *Pkg. of 24*..... .1.08

ANTENNA-MOUNTED TV BOOSTER



MODEL DSA-132. Antenna-mounting booster for increasing TV signal without stepping up "snow" or amplifying interference picked up by antenna lead-in. Covers all channels, from 2 through 13. Can also be used to boost only the high or low-band signals. Has both 72 and 300-ohm impedances. Power supply delivers 24 volts to booster through same line that brings in signal. Provides 25 db gain. Turns on and off with TV set switch. Booster size, 5x5x10¼"; power supply, 2½x5½x7¼". For 110-120 v., 50-60 cycle AC. Shpg. wt., 12¾ lbs. *Only $5 Down.*
92 TX 095. List, $109.50. **NET**.........................65.70

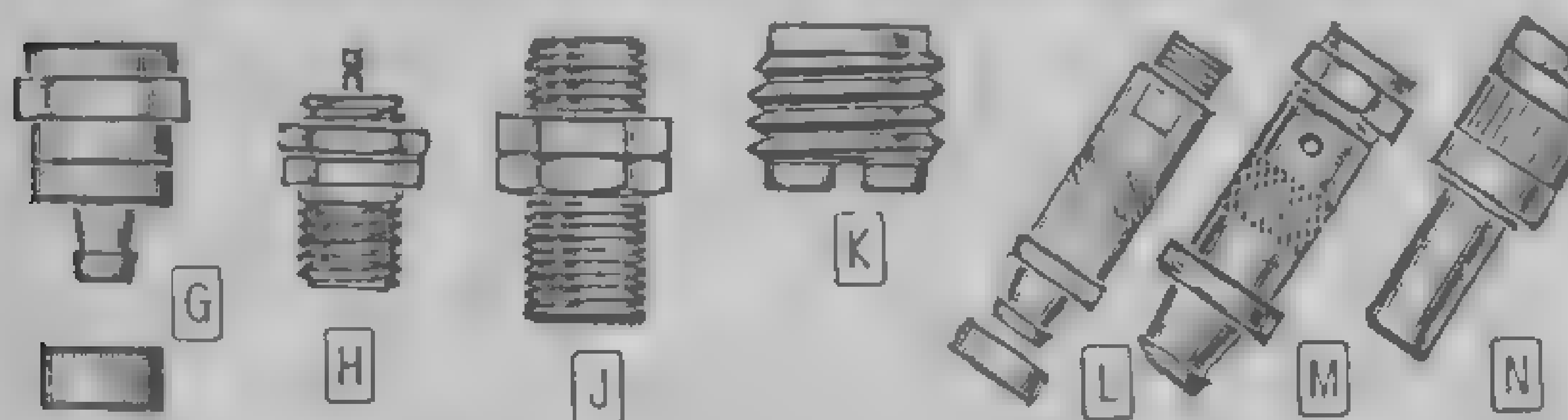
NEW FM RANGE EXTENDER



- Improves Distant FM Reception
- Boosts FM Signal 18 Times
- Simple Indoor Installation
- Covers Complete FM Band

MODEL 406A-FM. This new signal booster greatly improves FM reception. Amplifies weak signals from distant stations—extends receiving distance of your FM set. Ideal for weak signal areas. High gain, low noise. Under 1.4:1 VSWR. 72 and 300-ohm input, 72-ohm output. Gray hammertone case. U.L. Approved. For 110 120 v., 60 cycle AC. With mtg. screws and cable connectors. Shpg. wt., 4½ lbs. Size, 4x3x10½". *Only $2 Down.*
93 T 115. List $64.25 **NET**..........................38.55

SOLDERLESS COAXIAL CABLE CONNECTORS

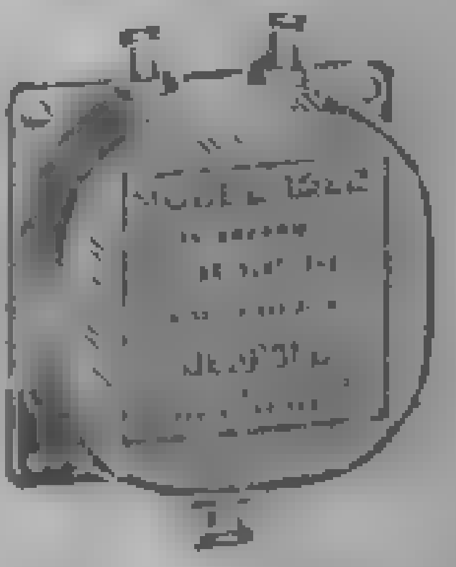


Carefully machined brass solderless connectors. Can be permanently bonded to coaxial cable with simple crimping tool. All "F" series units accurately matched to 72-ohm impedances and can be wrench tightened. VSWR is less than 1.05:1 up to 200 mc. All exposed surfaces heavily silver-plated. *With cable ferrules. Av. wt., 3 oz.

No.	Type	Fig.	Description	NET
71 C 833	*F-59	G	Male conn. For RG-59/U, cable. Mates with F-81, F-61 & A-61.	.48
71 C 834	F-61	H	Female chassis fitting. Mates with F-59, AF-101, TR-72F. ⅜" mtg. hole.	.55
71 C 835	F-81	J	Female feed thru. Mates with F-59, AF-101, TR-72F. ⅜" mtg. hole.	.75
71 C 836	A-61	K	Adapter. Allows F-59, AF-101 or TR-72F to mate with C-61 female.	.05
71 C 837	*F-101-59	L	Adapter. RG-11/U cables to plug end of F-59, AF-101 or TR-72F.	1.46
71 C 838	*AF-101	M	Male conn. For RG-11/U. Mates with F-61, F-81, F-101-59, A-61.	1.26
71 C 839	TR-72F	N	72-ohm terminating resistor. Mates with F-61, F-81, A-61, F-101-59.	.90

Type PL-602 Crimping Tool. For use on types F-59, F-101-59, and AF-101 above. No impedance mismatch or cable distortion. 1 lb.
71 C 840. List, $8.17. **NET**....................................4.90

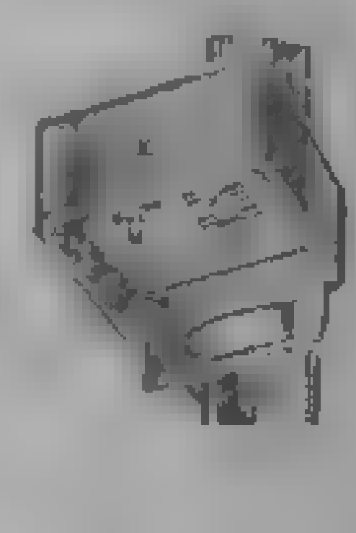
AMPLIFIER OUTPUT SPLITTERS



MODEL 1562. A two-way splitter for branching distribution amplifier outputs into two or more trunks with minimum loss, no overload, and no distortion. Only 3 db forward loss in each leg. Isolation between outputs is 15-20 db. Coax bushings do not need cable connectors. Highly efficient operation. Quick, easy installation. Size, 3x3x¾". Shpg. wt., 8 oz.
93 T 079. List, $7.50. **NET**..................4.50

Model 1514. A four-way reactive splitter with only 6 db forward loss to each output. 12 db isolation between outputs minimizes interference between sets. Supplied complete with five F-59 cable connectors. (Unused outputs must be terminated with TR-72F terminating resistors—see table at left.) Quickly and easily installed. Size, 3x3x¾". Shpg. wt., 8 oz.
93 T 083. List, $14.50. **NET**..................8.70

MATCHING TRANSFORMERS

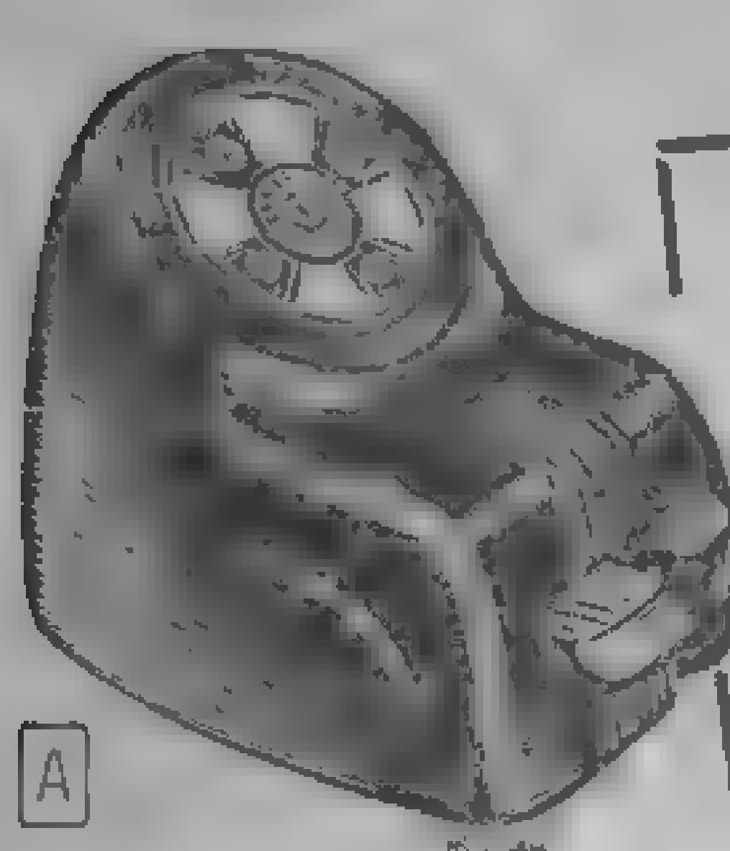


MODEL TO-374. Antenna matching transformer for outdoor mast mounting. Matches 300-ohm antennas to 72-ohm line. Highly efficient performance across the VHF TV band. 6 db voltage gain between 72 and 300-ohm lines. VSWR is 1.26:1. Supplied complete with all necessary hardware—mounting strap and F-59 coaxial cable connectors. Size, 2¼x2¼x1". Shpg. wt., 8 oz.
71 C 831. List, $10.00. **NET**......................6.00

MODEL T-375. Matching transformer designed for indoor use. Matches 72-ohm line to 300-ohm line. Also isolates antenna when used with AC-DC television sets. Has crimp-on coax bushing. 2¼x2¼x1". Shpg. wt., 4 oz.
71 C 832. List, $4.85. **NET**..............2.91

TV Rotators, UHF Converter, Televerter

CORNELL-DUBILIER-RADIART TELEVISION ANTENNA ROTATORS



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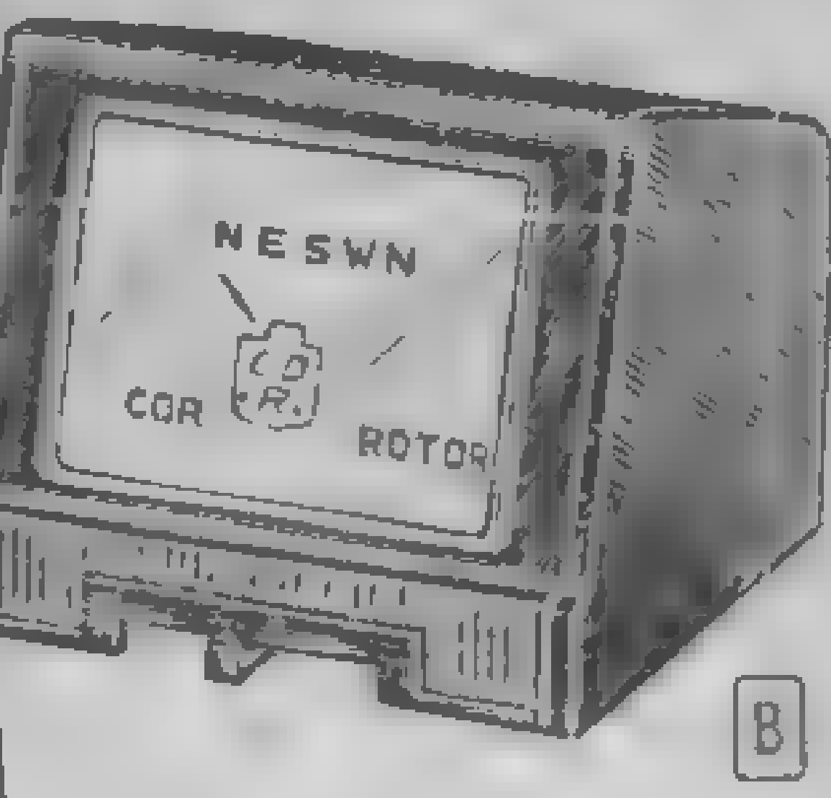
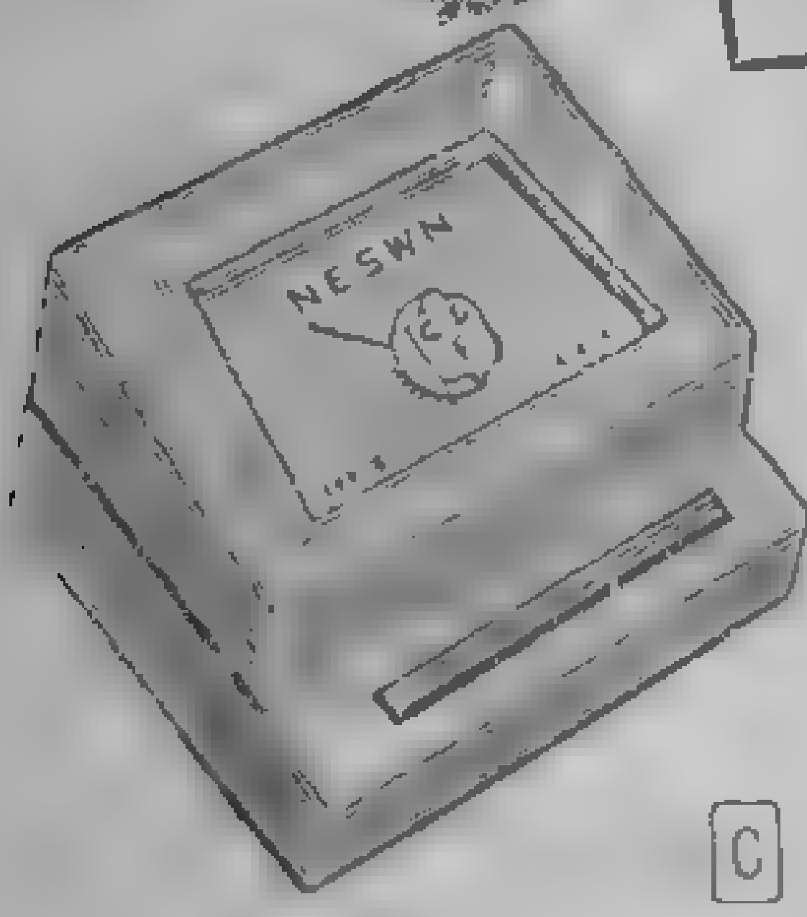
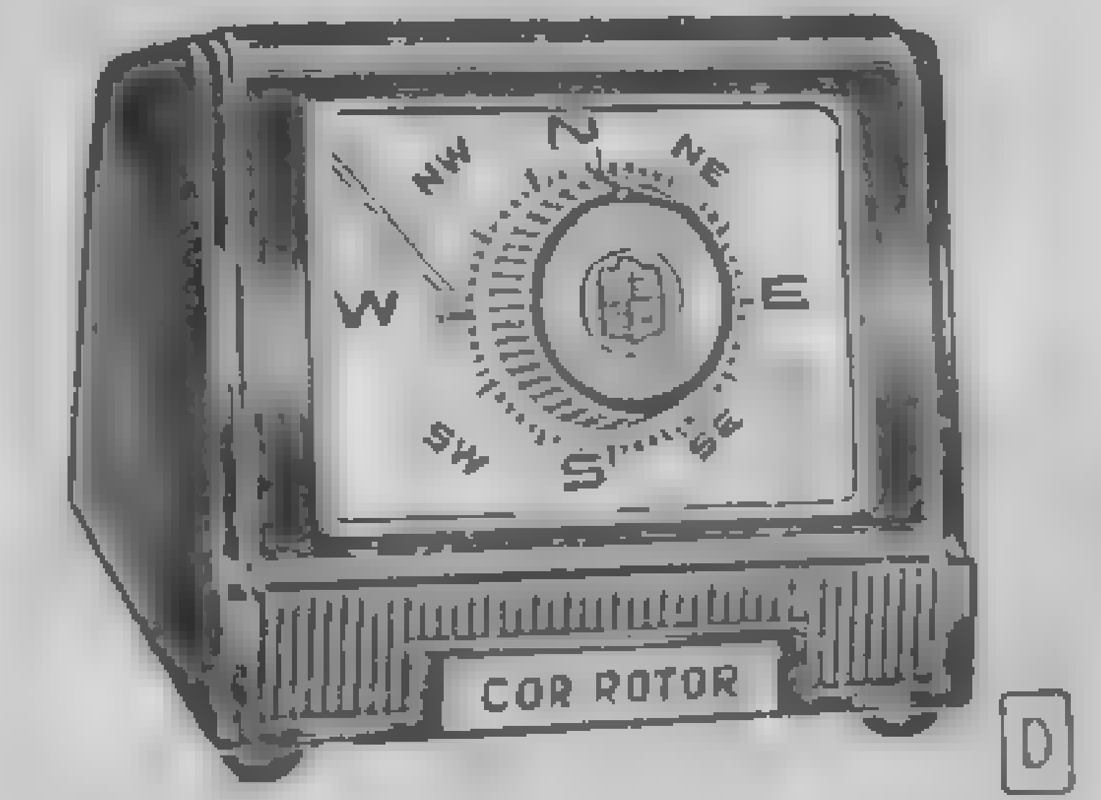
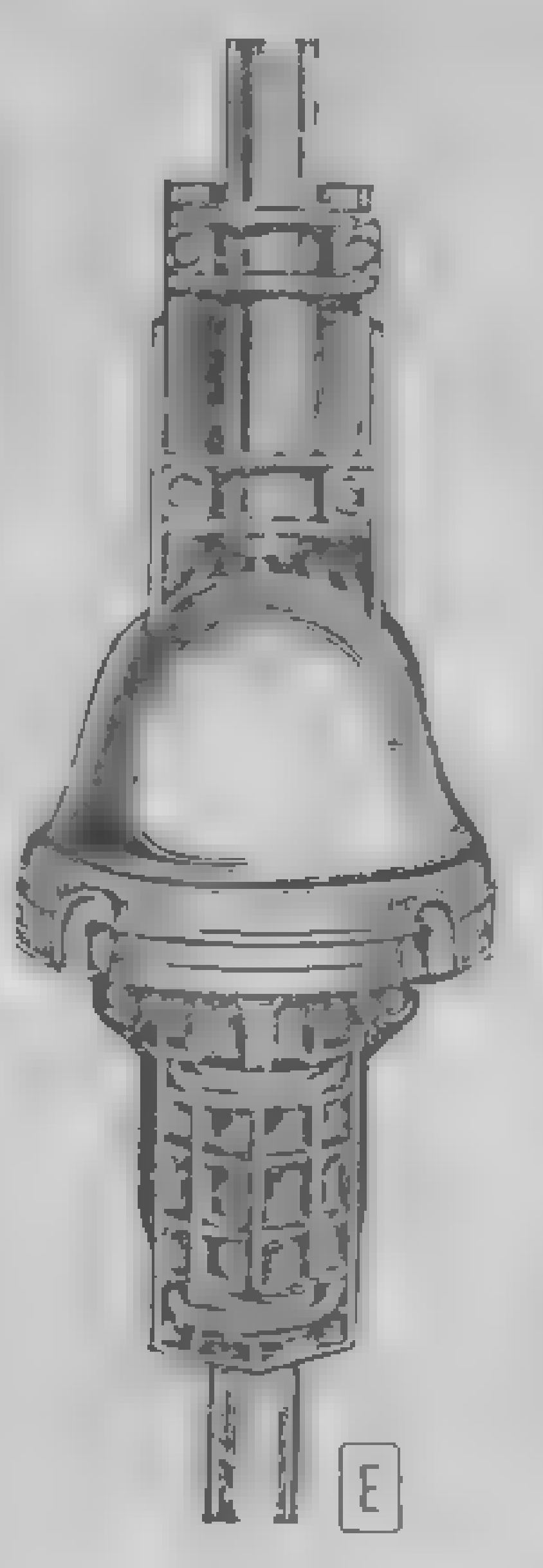
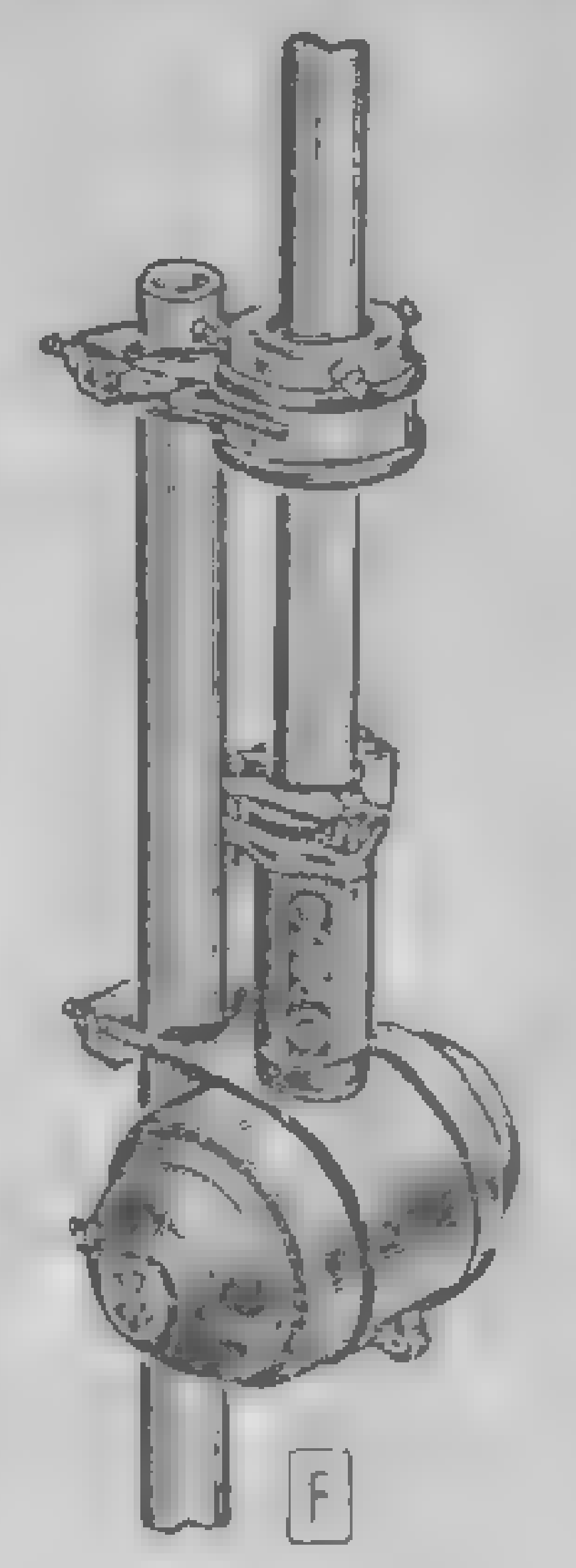
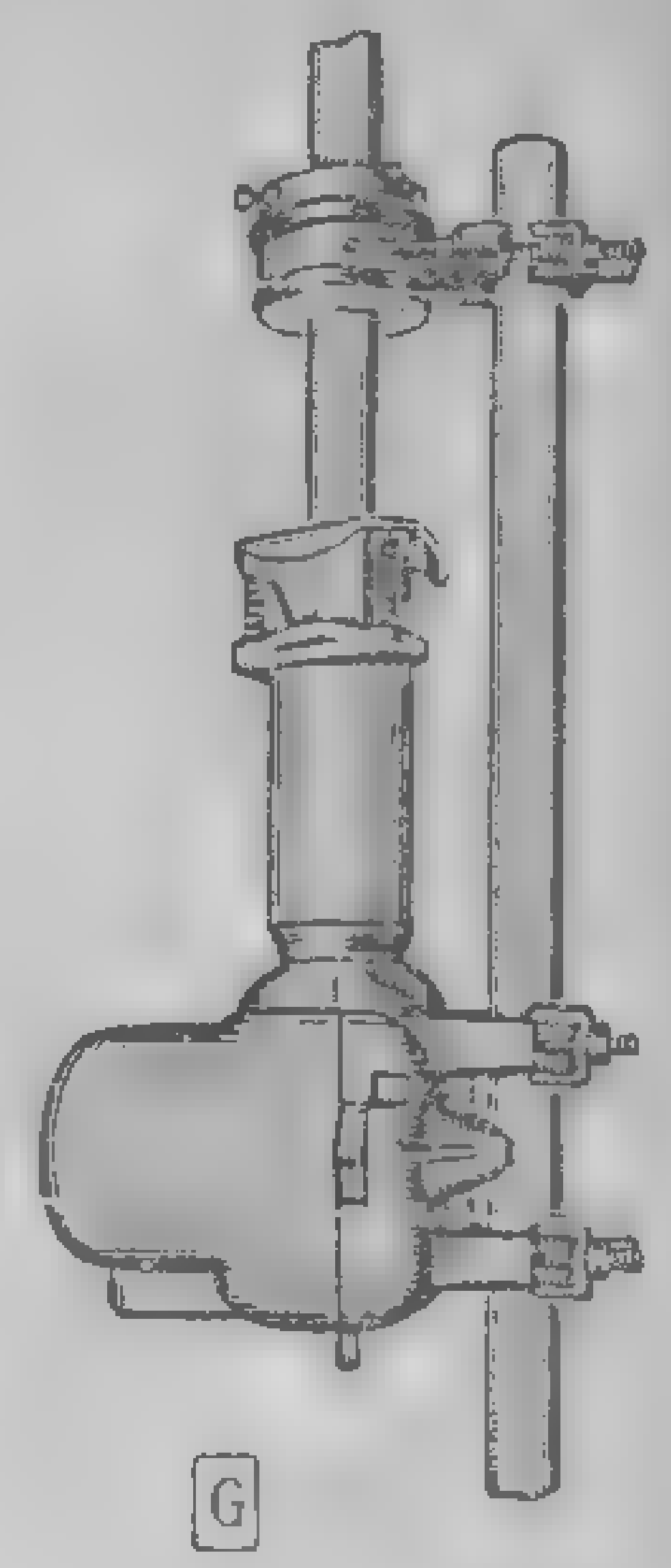












MODEL AR-22 ROTATOR WITH AUTOMATIC-TYPE CONTROL UNIT

E D Popular, fully automatic rotor for TV antennas up to 150 lbs. For mast, tower or platform mounting. Heavy-duty precision gears hold even large TV arrays steady in high winds. Rotor unit employs 12 large ball-bearings in two 6½" races. Motor reverses instantly—does not drag or coast. Overshoot of desired direction is prevented by magnetic brake. Streamlined bell-shaped housing is die-cast and heavily reinforced. Weather-sealed and factory lubricated for life. Reversible clamps on rotor unit take masts from ⅞" to 2" O.D.

Control unit dial is marked in compass points: N, S, E, W, NW, NE, SW, and SE. Operation is extremely simple: Set control unit pointer to desired direction, and antenna then automatically rotates to this position and stops. Eliminates necessity of watching control unit dial until antenna has rotated to desired direction. Control unit is housed in attractive brown plastic cabinet which is equipped with rubber feet to protect TV set finish. Complete with rotor, control unit, and full set of instructions. Requires 4-wire cable (see listing below). For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 14 lbs.
92 TX 150. List, $55.74. **NET**..........................32.77

MODEL TR-4 ROTATOR WITH METER-TYPE CONTROL UNIT

F B Heavy-duty antenna rotor; same as above except with meter-type control unit. Dial calibrated N, E, S, W, and N. Lever at front of control box permits forward or reverse movement of antenna. Dial pointer begins to turn as soon as starter lever is actuated, and can be stopped at any desired direction. Mahogany plastic cabinet. For 110-120 v., 50-60 cycle AC. Uses cable below. Wt., 16 lbs.
98 TX 393. List, $53.64. **NET**.................. 31.54

4-Conductor Cable. For use with the AR-22 or the TR-4 rotators. Shpg. wt., 100 ft., 3 lbs.
97 T 365. 100-ft. coil. **NET**....... 2.78
47 W 576. Over 100′, **PER 100′**..........................2.78

MODEL TR-2 ROTATOR WITH ILLUMINATED-COMPASS CONTROL UNIT

E A Heavy-duty rotator, same as the two above but uses illuminated control box with compass-type dial. As antenna rotates, letters N.E.S.W. light up—clearly indicating direction. Bar lever at front permits start, stop or reversing action. Less cable. Uses 8-wire cable listed below. For operation from 110-120 v., 50-60 cycle AC. With handsome plastic control cabinet. Shpg. wt., 16 lbs.
97 TX 463. List, $49.43. **NET** . 29.07

8-Conductor Cable. For TR-2 rotator above. Handles current for rotor and illumination circuits. Shpg. wt., 100 ft., 5 lbs.
47 T 586. 100-ft. coil. **NET**..............................4.20
47 W 593. Over 100′, **PER 100′** 4.20

MODEL AR-2 ROTATOR WITH AUTOMATIC-TYPE CONTROL UNIT

F D Automatic antenna rotator for precise antenna orientation with utmost convenience. Operation is simplicity itself. Control unit dial is calibrated in compass points: N, NE, E, SE, S, SW, W, NW. To change antenna direction, simply set control unit knob to desired compass point or any intermediate point and release knob—that's all. Rotator will automatically turn on and rotate antenna to selected direction, and shut itself off. No need to hold knob and wait while watching a moving indicator. For added convenience in semi-darkened rooms, control dial lights up as soon as knob is moved — provides illumination for accurately selecting desired direction.

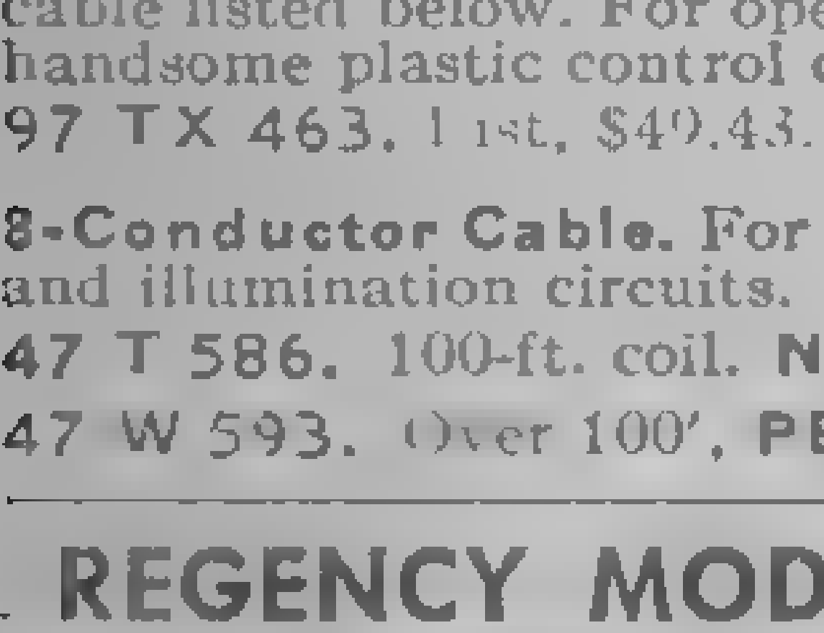
Rotator unit is housed in a weather-sealed, factory-lubricated, die-cast aluminum case. Features precision cut gears for smooth operation, plus a separate thrust bearing with six precision roller bearings to relieve lateral strains on rotator mechanism. Self-centering, supporting-mast clamps accept mast up to 2" in diameter; thrust bearing and antenna-mast collet accept masts up to 1½" in diameter. Antenna can be rotated 360° in either direction—makes one complete rotation in 45 seconds. Mechanical brake, released magnetically, prevents overshoot and drift in high winds. Control unit has attractive plastic case. Requires 4-conductor cable (see below). For 110-120 v., 50-60 cycle AC. Wt., 13½ lbs.
98 TX 414. List, $53.64. **NET**... 31.54

MODEL TR-16 ROTATOR WITH METER-TYPE CONTROL UNIT

G C Latest model in the famous C-D line of rotators. Rotor unit is similar to the one in the Model AR-2 rotator above, but has a new modern style housing. Also has a newly designed meter-type control unit. Has same husky thrust bearing; instant locking—non-drift features. Mechanical brake—releases magnetically. Instantly reversible. Makes complete revolution in 45 seconds. Rugged, precision made gears. New, modern design control unit featuring meter-type dial and "piano key" control bar. Pressing one end of "key" starts rotator—pressing the other end reverses the direction. Cabinet has been restyled for modern appearance. Slanted front panel allows dial to be more easily read. Rotor unit is easily installed—no loose parts to assemble. Quick mounting antenna mast collet. Completely weather sealed. Self-centering sawtooth mast clamps grip antenna mast securely. Fits all standard towers. For use with masts up to 1½" O.D. Complete with thrust bearing and attractive, mahogany finish plastic control cabinet. Less cable. Uses 4-conductor cable listed below. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 13 lbs.
92 TX 591. List, $47.32. **NET**..........................27.82

4-Conductor Cable. For use with the AR-2 and TR-16 antenna rotators. Cable is flat, with four parallel conductors of seven-strand copper wire. One conductor tinned for identification. Highly-flexible, polyethylene insulation is resistant to damage from heat, humidity and corrosive atmospheric gases. Shpg. wt., 100 ft., 3 lbs.
97 T 365. 100-ft. coil. **NET**..............................2.78
47 W 576. Over 100′. **PER 100′**.. .... 2.78

REGENCY MODEL RC-103 FM TELEVERTER



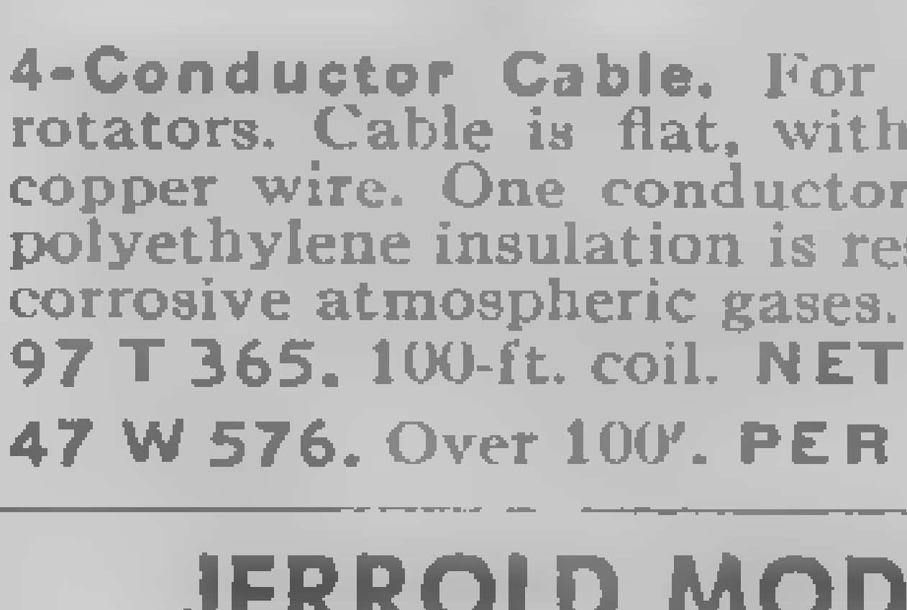
- For FM Reception From TV Sets
- Efficient Transistorized Circuit
- Simple, Screw-Type Connections

NET
$14.96

The ideal way to obtain FM programming at lowest cost. Regency converter for quality FM reception through your television set. Full FM coverage from 88-108 mc at a fraction of the cost of an FM radio! Install in a matter of minutes—simply connect between antenna input and antenna lead-in of your TV set. Select entertainment to suit your mood—change from TV to FM at the flip of a switch.

The RC-103 is a completely transistorized unit that operates on three tiny "penlight" cells for extreme stability, convenience and reliability. Battery life approaches shelf life—drain of only 300 microamps. Size, 4½x6x4½". Less batteries (below). Shpg. wt., 1½ lbs.
92 T 349. List, $19.95. **ONLY**..........................14.96
53 J 031. Battery. 3 required. 3 oz. **EACH**.....................10¢

JERROLD MODEL FTC UHF CONVERTER



- Low Noise, High Stability
- Built-in UHF Antenna
- Wide-View, Slide-Rule Dial

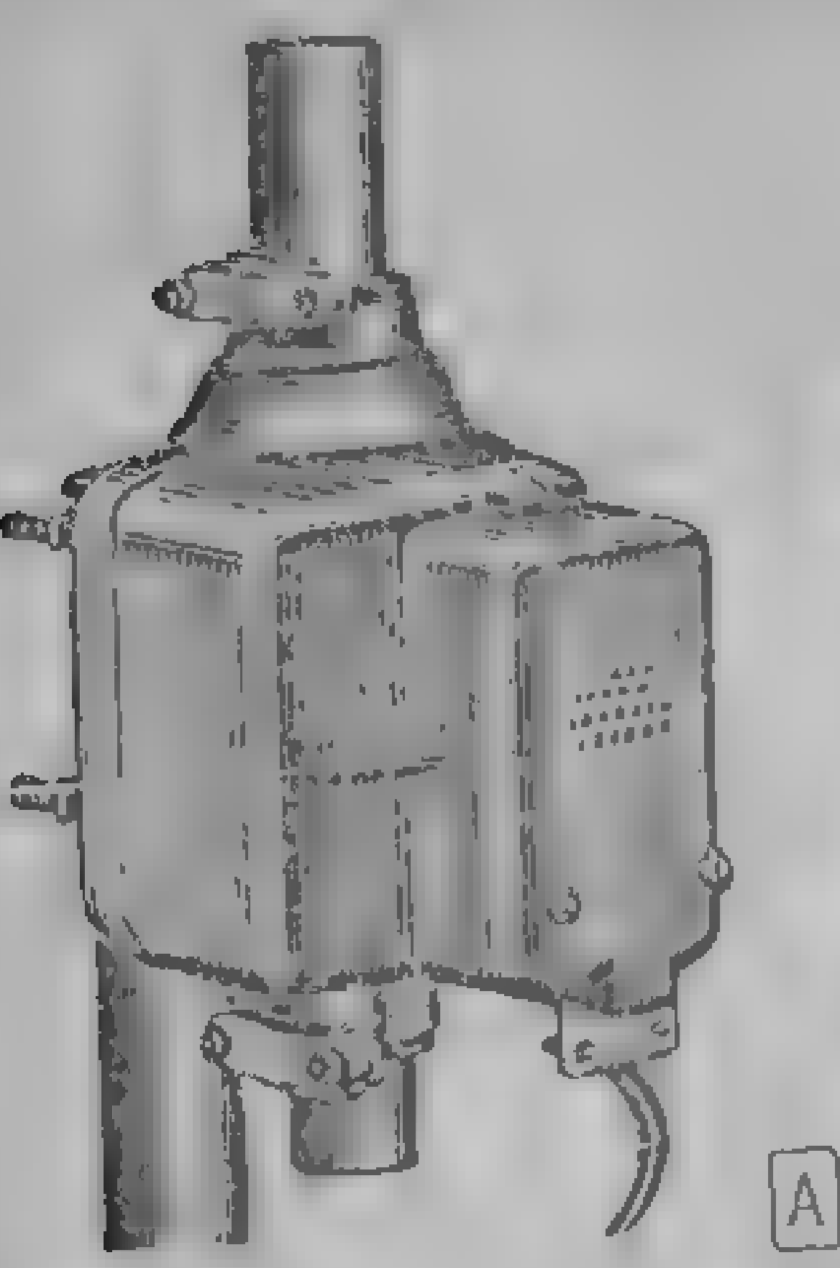
NET
$27.50
$2 down

Deluxe converter, for superior UHF reception with any VHF TV receiver. Provides clean, stable output on channel 5 or 6. Straight-through switch for VHF. Highly stable tuning: drift, 0.25 mc with 95-120 volt line change. Wide-view slide-rule dial couples to a smooth vernier tuning mechanism, for easy station selection. Built-in antenna. Converter meets FCC radiation standards for tuners. U.L. Approved. 300-ohm input and output. 2 tubes plus low-noise crystal diode. 7½x5x5¾". For 105-120 v., 60 cycle AC operation. Shpg. wt., 4 lbs.
93 T 085. Mahogany. List, $39.95. **NET** 27.50
93 T 086. Blonde. List, $39.95. **NET**......................27.50

TV Rotators, UHF Converters, TV Towers

ALLIANCE TELEVISION ANTENNA ROTATORS

Choice of Three Handsome Control Units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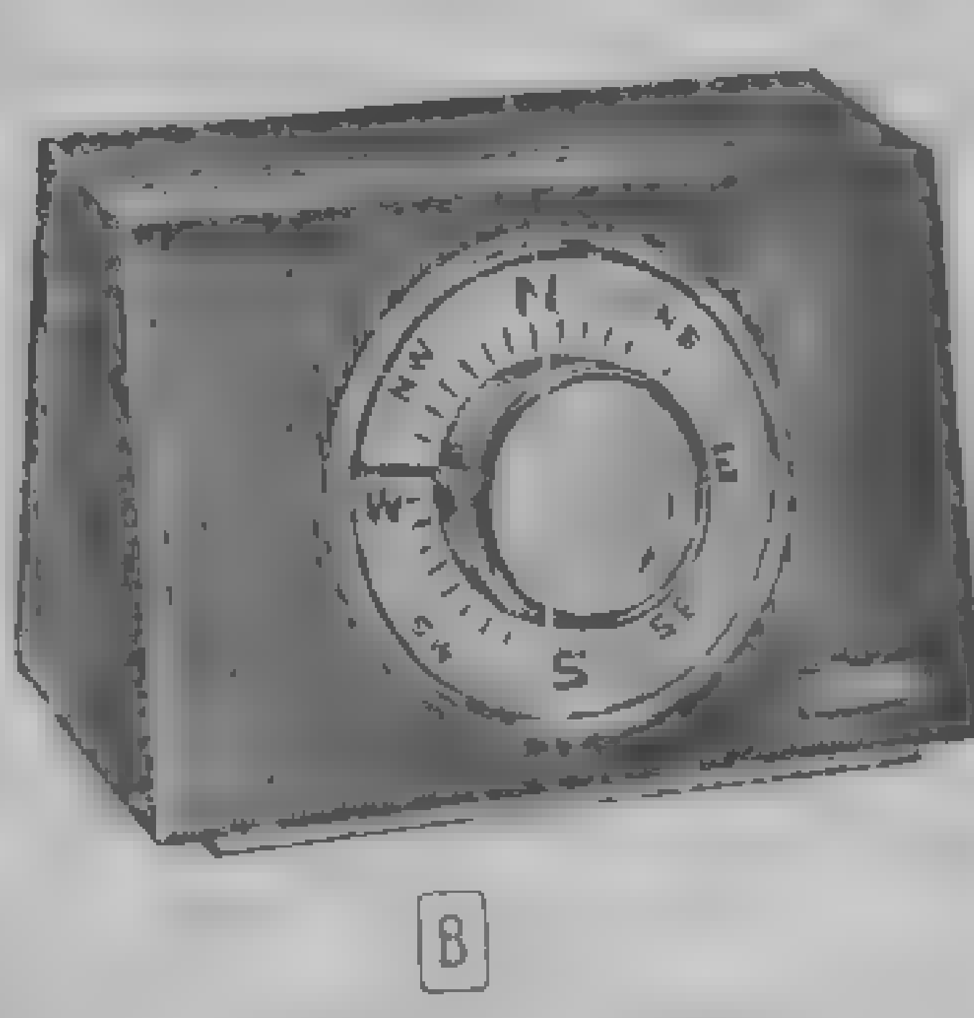
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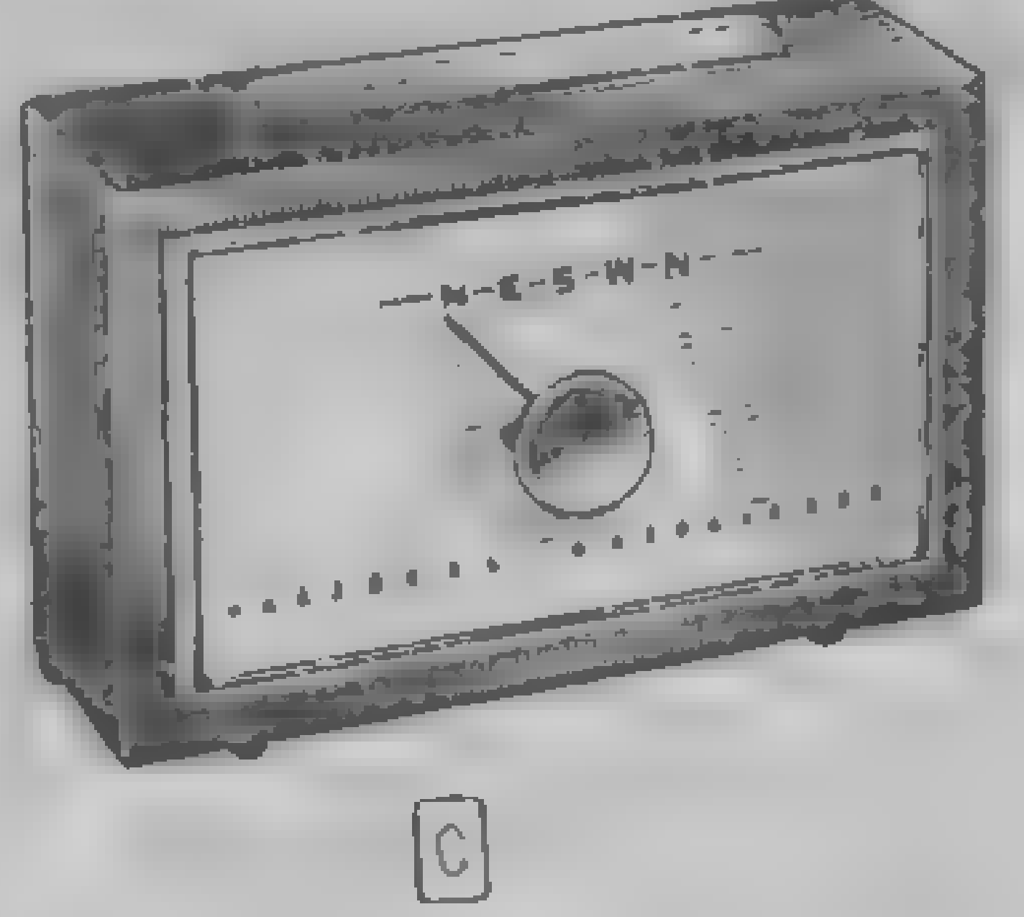
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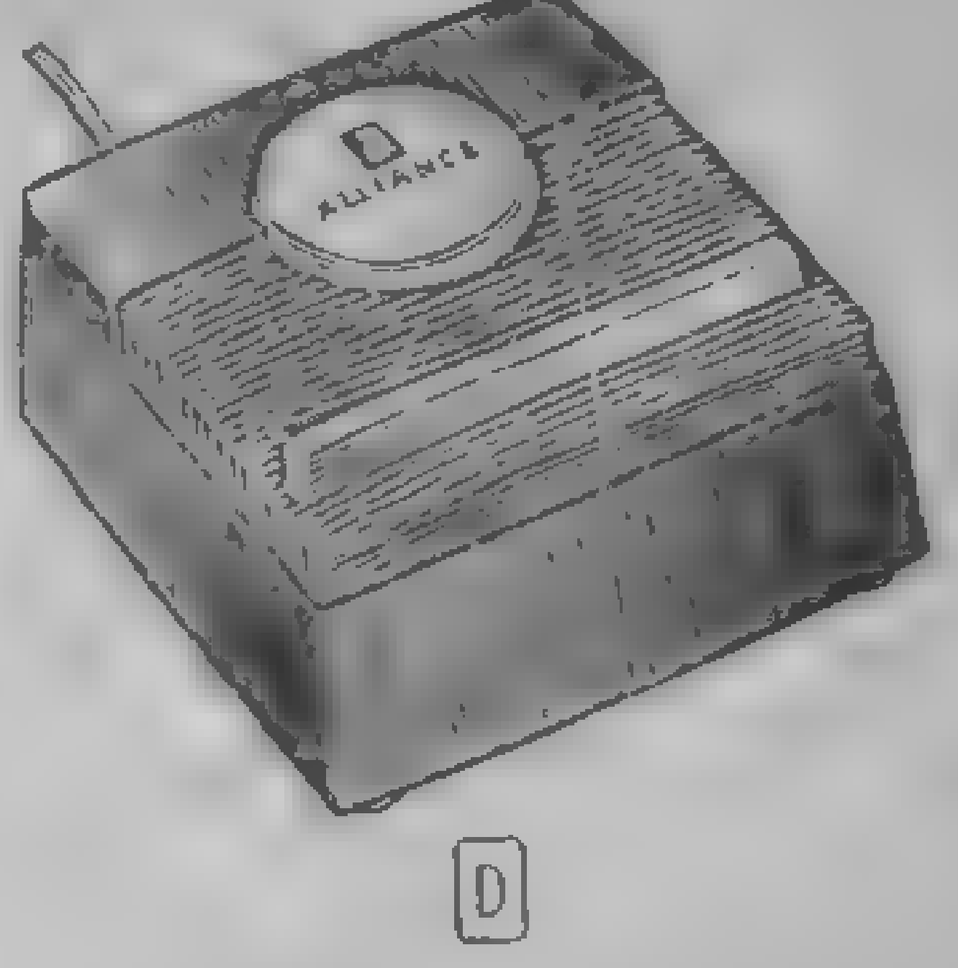
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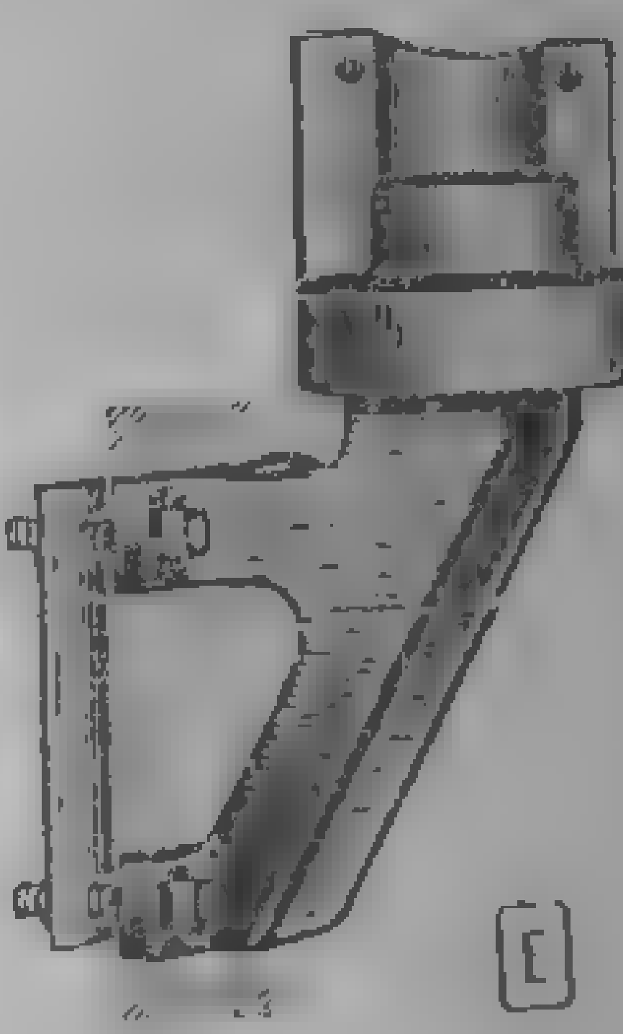
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MODEL U-98 ROTATOR
FEATURING AUTOMATIC-TYPE CONTROL UNIT

- Smooth, Efficient, Weather-Proofed Rotor Unit
- Automatic Control Unit for Maximum Convenience

A B Exceptionally rugged unit used to point antenna in any direction for maximum signal strength. Simply set dial of smartly styled control box—antenna stops automatically when desired position is reached. Compact rotor unit measures 7¼x5¼x8". Weather-sealed and factory-lubricated for life. Has magnetic brake to prevent overshoot and drifting. 1-rpm motor is instantly reversible for clockwise or counter-clockwise rotation. Control unit measures 7x4½x4". Sloping front panel with easy-to-read dial calibrated N, NE, E, SE, S, SW, W, and NW. Complete with rotor and mahogany plastic control unit. Requires 4-wire cable (listed right). For 110-120 v., 50-60 cycle AC. Less 4-wire cable (listed at right). Shpg. wt., 12 lbs. *Only $2 down.*

92 TX 299. List, $44.95. **NET**.......... 25.77

92 TX 336. With ivory case. List, $45.85. **NET**.......... 26.66

MODEL K-22 ROTATOR

A D Heavy-duty rotator; same as above but employs touch-bar-operated control unit. Permits clockwise or counter-clockwise antenna rotation—simply requires light pressure on right or left side of tilting touch-bar. Lever is held down until best picture is obtained. Releasing down-pressure on bar stops antenna instantly—remains fixed without drifting. Center disc on control unit lights up when limit of antenna travel is reached. With rotor, mahogany plastic control unit and instructions. Less 4-wire cable (listed at right). For 110-120 v., 50-60 cycle AC. Shpg. wt., 12 lbs.

92 T 338. List, $24.95. **NET**.......... 18.08

BLONDER-TONGUE UHF TV CONVERTERS

MODEL 99R CONVERTER

- Covers All UHF Channels
- Clear Reception—No Drift
- Easy to Install & Operate

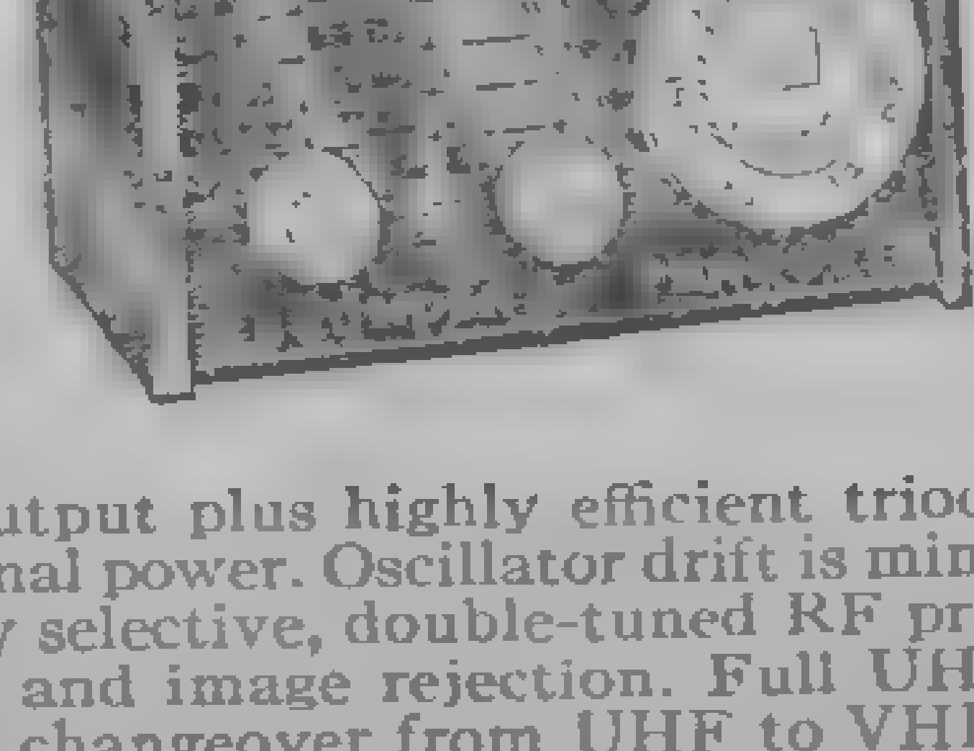
Compact, handsomely styled, low-noise UHF converter designed for use in metropolitan signal areas. One-knob tuning. Choice of Channel 5 or 6 as the IF output to TV set. Extremely sharp input and oscillator tuning for every UHF channel—eliminates multiple images and troublesome interference. Input circuit is tracked with oscillator to reject spurious signals and suppress oscillator radiation. Oscillator is thermally compensated to assure minimum drift. Precise input impedance match assures maximum signal conversion; no line ghosts or picture smear. In "Off" position, VHF signals are passed directly to TV set to permit regular VHF reception.

Uses 6AF4A oscillator, crystal diode mixer and selenium rectifier. Exact 300 ohm input and output impedance match assures maximum signal power. Simple to install and operate. Meets the FCC radiation specs. Housed in mahogany-finished plastic cabinet. U.L. Approved. Size, 6¼x4¾x4¾". For 110-120 volts, 60 cycle AC. Shpg. wt., 4 lbs.

98 T 586. List, $22.95. **NET**.......... 15.63

MODEL BTU-2S CONVERTER

- Ideal for UHF Translator Weak-Signal Reception
- Sharp All Channel Tuning



High-gain, low noise UHF converter. Quickly and easily installed between antenna and TV set. Adds all the new UHF stations to any TV set quickly and easily. High signal-to-noise ratio guarantees clear, steady pictures, even in weak-signal locations. Fully shielded tuner has 3 gangs with dual-speed channel selector for precise, continuous tuning. Terminals for VHF or UHF transmission lines. Exact 300-ohm impedance match at input and output plus highly efficient triode amplification gives maximum usable signal power. Oscillator drift is minimized by thermal compensation. Highly selective, double-tuned RF preselector stage provides maximum gain and image rejection. Full UHF range on channel 5 or 6 of set. Instant changeover from UHF to VHF. With 6ER5 frame-grid tube, 6AF4A oscillator, silicon diode, and selenium rectifier. Has convenient "no-strip" terminals. Meets FCC radiation specs. Attractively styled plastic cabinet. Size 6¾x4¼x4¾". Underwriters' Laboratories Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs. *Only $2 down.*

98 T 099. List, $39.95. **NET**.......... 26.95

MODEL T-12 ROTATOR
FEATURING METER-TYPE CONTROL UNIT

- Clean Straight-lined Styling of Control Unit
- Fingertip Direction of Antenna by Touch-bar

A C Heavy-duty antenna rotator, same as at left, but with meter-type control box. Control panel has clean straight modern styling with dial calibrated, N, E, S, W and N. Touch-bar on top of control unit permits instant forward or reverse action. Depressing right end of bar rotates the antenna clockwise—left end, counter-clockwise. Meter pointer begins to move as soon as touch-bar is pressed. Simply release pressure on bar to stop at any desired position for best reception. Control unit in attractive mahogany plastic case measures 4½" high, 6½" wide, and 2½" deep. Less 4-wire cable (listed below). For 110-120 v., 50-60 cycle AC. Shpg. wt., 12 lbs. *Only $2 down.*

92 T 339. List, $34.95. **NET**.......... 22.12

92 T 340. With ivory case. List, $35.85 **NET** 23.00

MODEL TBB2 THRUST BEARING BRACKET

E Minimizes strain on rotators by relieving them of entire antenna weight. An ideal accessory when using large multi-element and multi-bay antennas. Protects gear mechanism against severe lateral strain. Shpg. wt., 3 lbs.

97 T 479. List, $4.95. **NET**.......... 2.91

4-WIRE ROTATOR CABLE

4-Wire Cable. For use with all Alliance rotators listed. Four—No. 20 gauge conductors. Shpg. wt., 100 ft., 3 lbs.

97 T 365. 100-ft. coil. **NET**.......... 2.78

47 W 576. Over 100', **PER 100'** 2.78

SPAULDING SELF-SUPPORTING TV TOWERS

- No Concrete Foundation Required
- Preassembled for Quick Installation

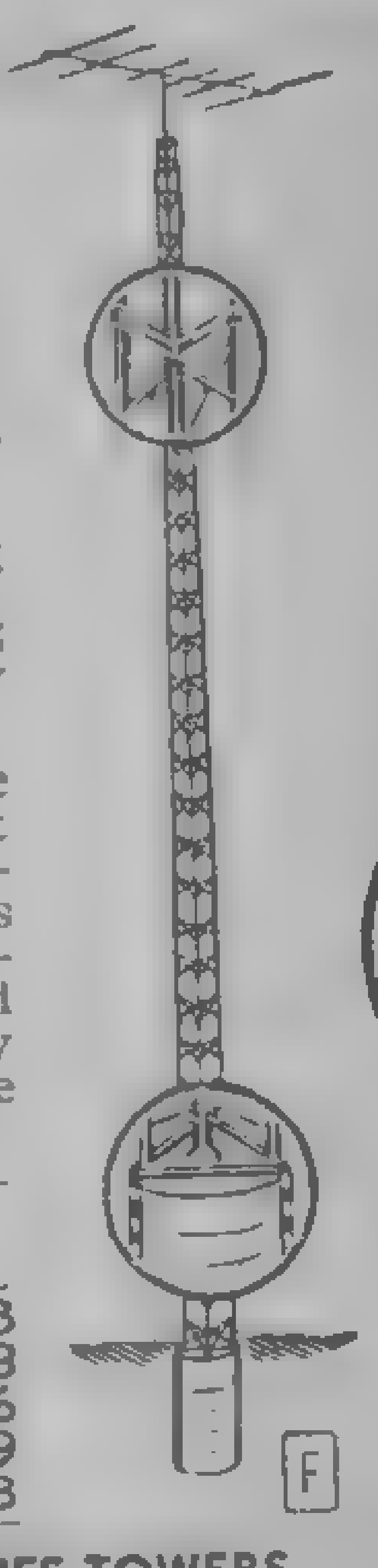
XCB SERIES TOWERS

F High-strength antenna towers featuring special "culvert base" for quick one-man installation without concrete. Self supporting—require no additional guying or support of any kind! Ideal for fringe-area locations or areas where added antenna height is necessary.

Contain "most-wanted" features: All-riveted construction for rigid support of any TV antenna; 100% galvanized steel; special design for easy installation of any rotator in top section.

Towers are designed to minimize the effects of strong winds, yet are light enough for easy handling and quick installation. Each tower package includes heavy-duty culvert-type base with adjustable hinge feet, 8 feet of mast, listed quantity of 8-ft. sections, all necessary parts and instructions. All sections are factory assembled.

Stock No.	Mfr's Type	Ant. Ht.	Sec.	Wt., lbs.	NET EACH
92 CZ 294	X28CB	23'	2	89	36.63
92 CZ 295	X36CB	31'	3	120	55.78
92 CZ 058	X44CB	39'	4	155	63.76
92 CZ 059	X52CB	47'	5	200	77.59
91 CZ 832	X60CB	55'	6	272	90.33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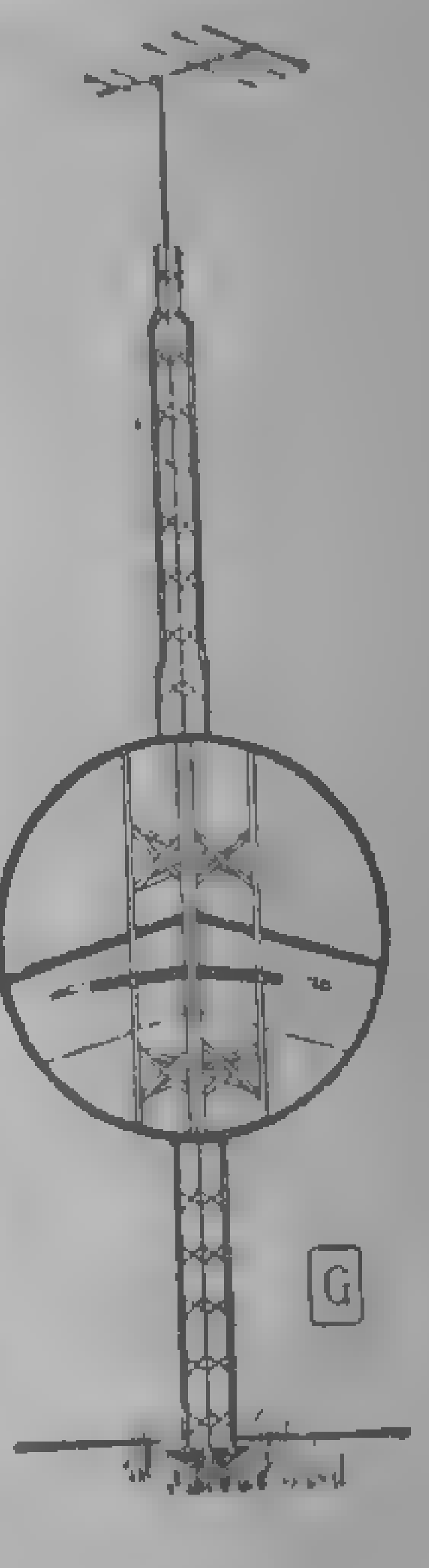
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EP ECONOMY SERIES TOWERS

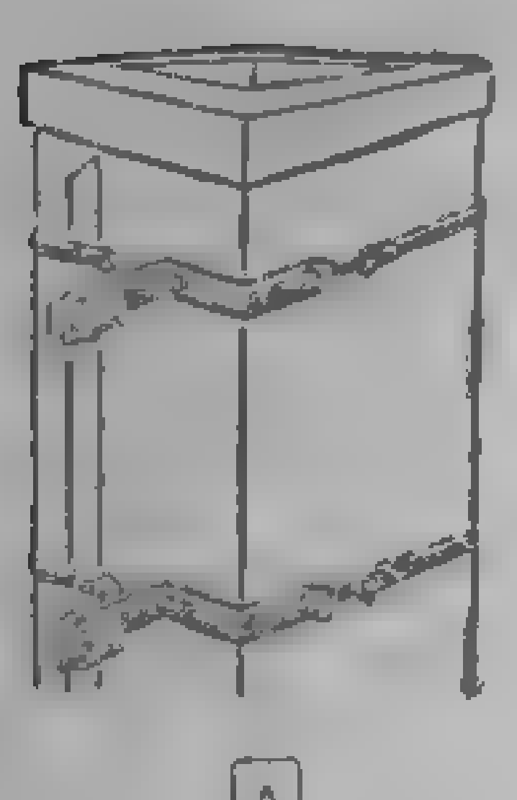
G "Economy Packs" for ground or guyed roof towers feature 8' to 40' heights at remarkable savings. Each pack has one or more 8' tower sections, a ground plate, and an 8' mast. Tower sections are rugged zinc-plated steel with completely riveted construction for maximum strength. Can be bracketed to building if ground plate is used. Require guying every 16' for roof-mounting. House bracket and roof mounting base, below, are extra accessories.

Stock No.	Type	Ht.	Sections	Lbs.	NET
92 CZ 534	EP-5	40'	5	88	42.20
92 CZ 535	EP-4	32'	4	72	34.89
92 CZ 540	EP-3	24'	3	56	27.59
92 CZ 541	EP-2	16'	2	41	21 76
92 CZ 542	EP-1	8'	1	25	14.15
92 CX 543	EP-R1	Roof	Base	2	2.88
92 CX 544	EP-H1	House	Bracket	5	3.67

Shipped F. O. B. Frankfort, Indiana. No C.O.D. shipments—Please send full remittance to Allied with your order. Shipping charges will be collected on delivery.

TV Antenna Mounts and Accessories

TELCO TV ANTENNA MOUNTS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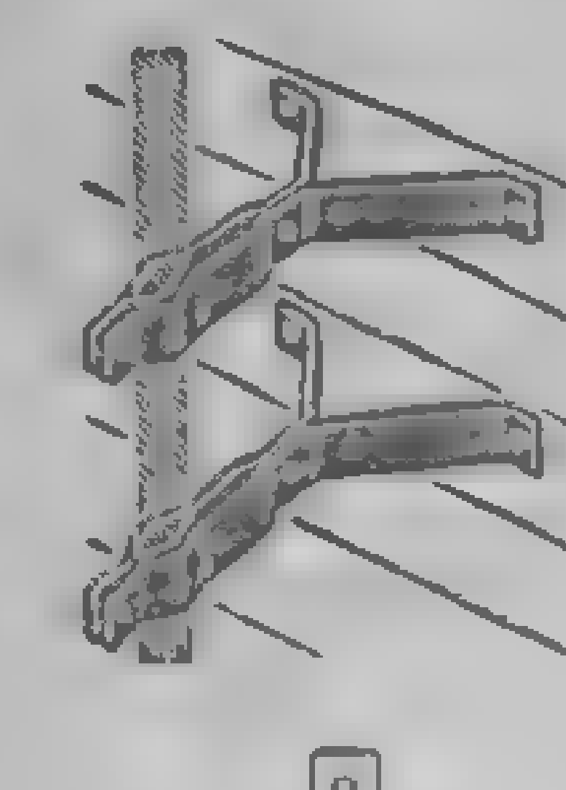
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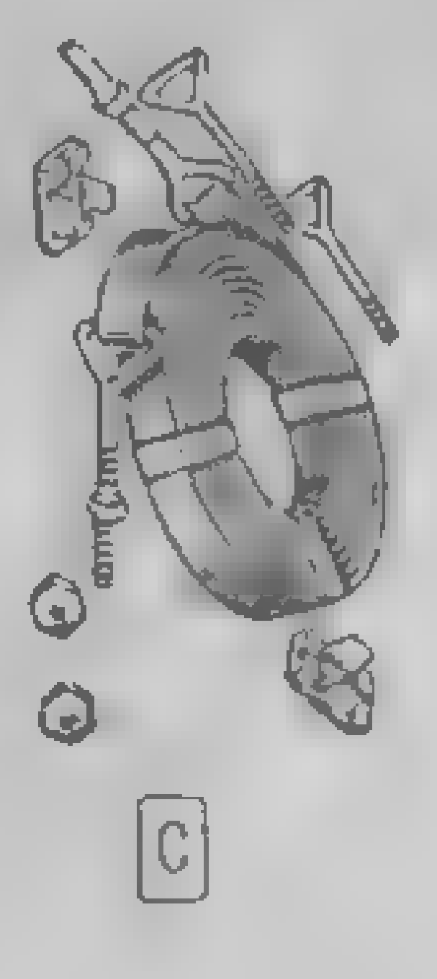
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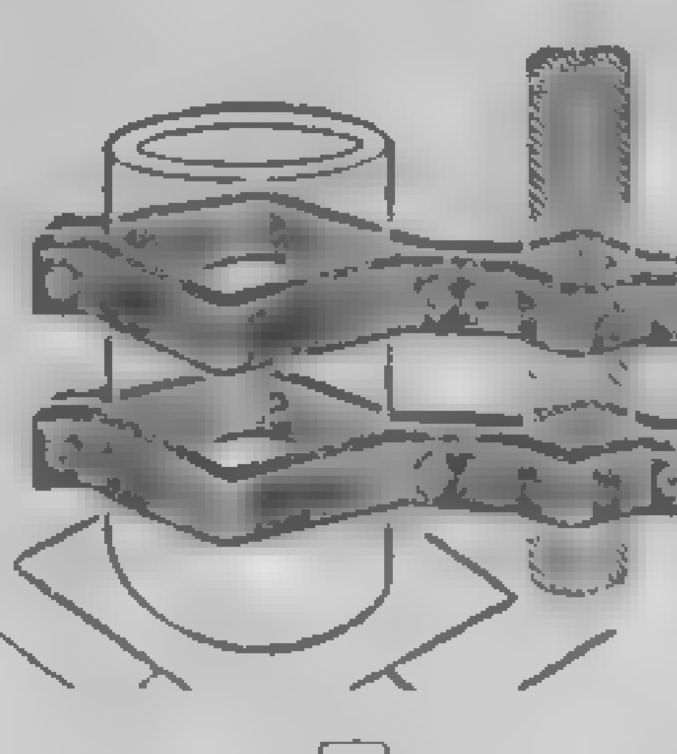
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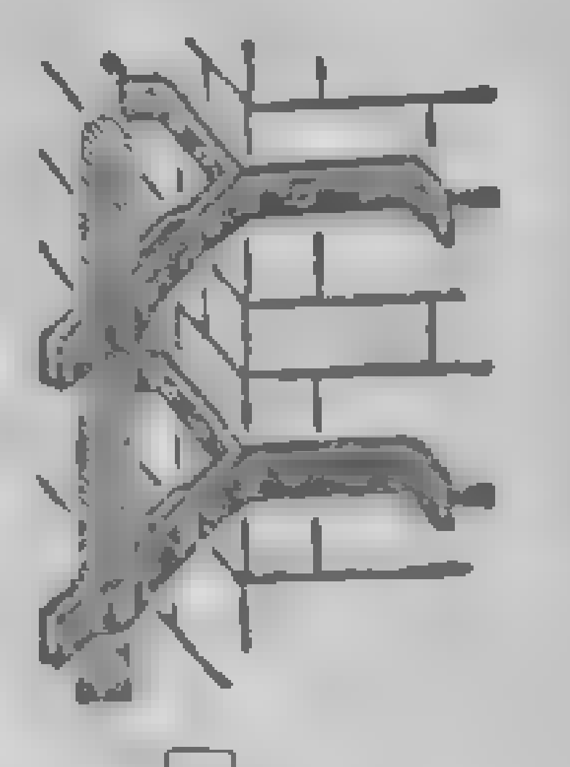
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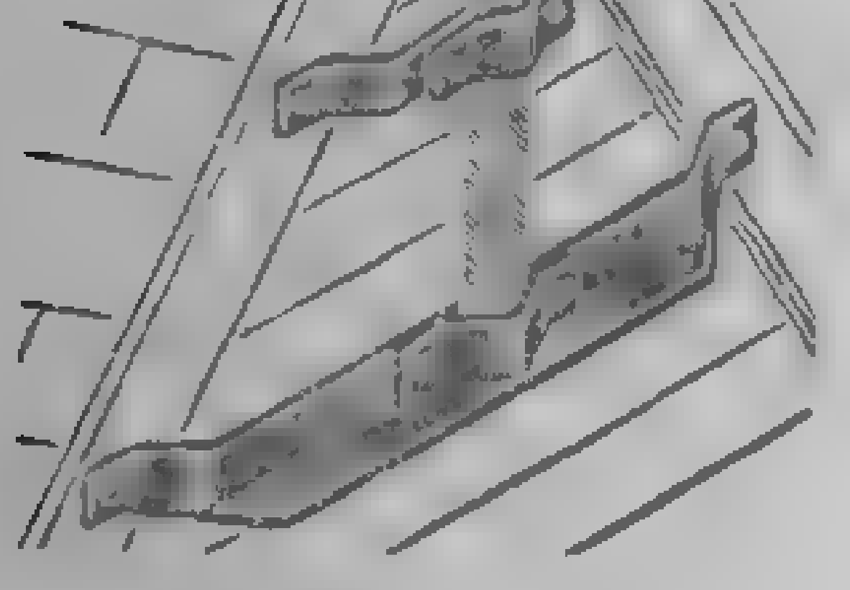
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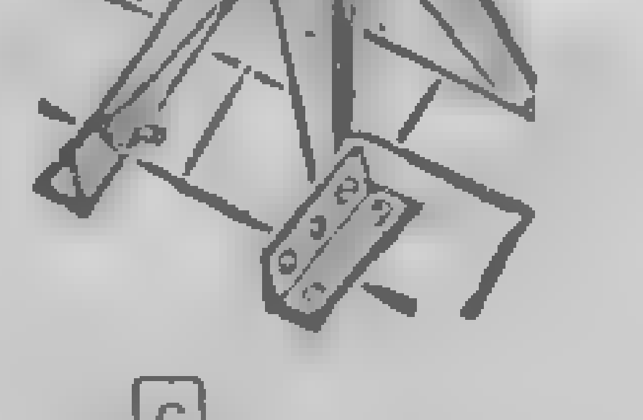
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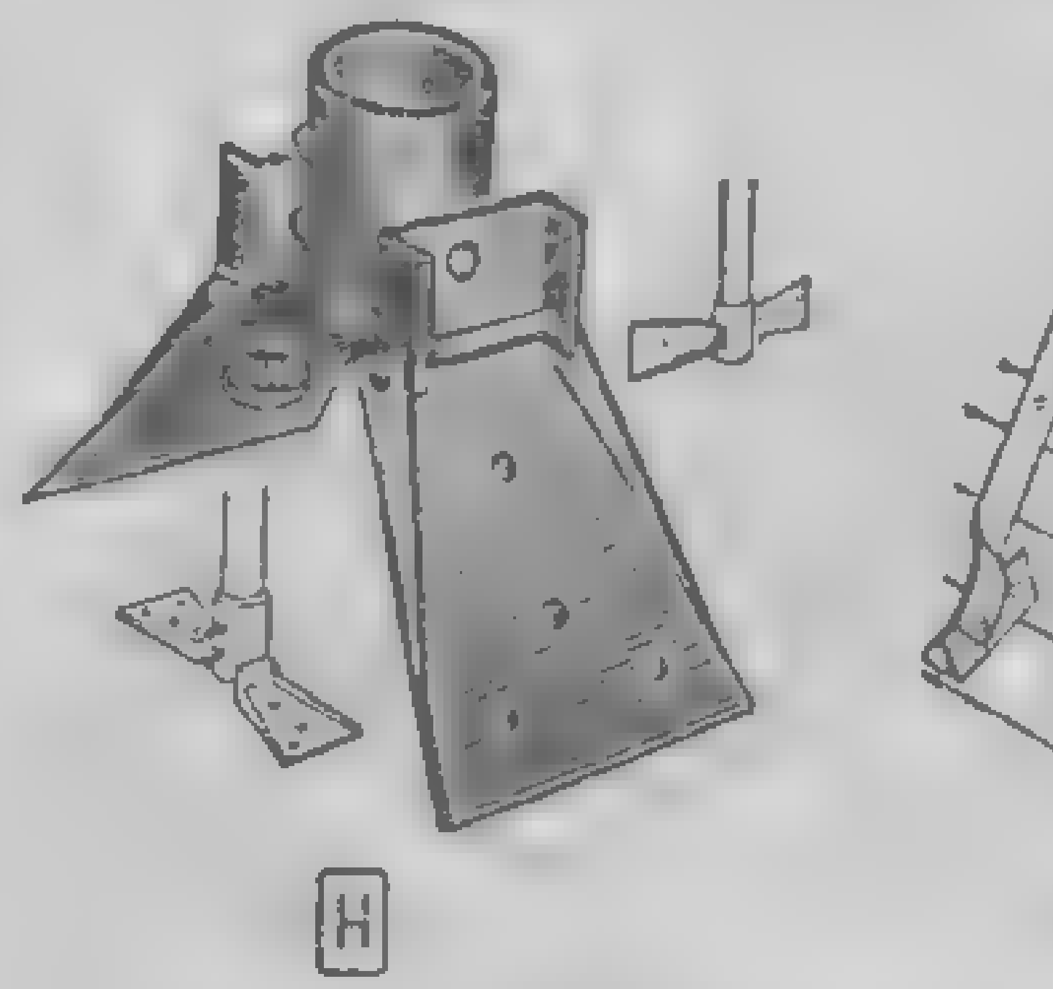
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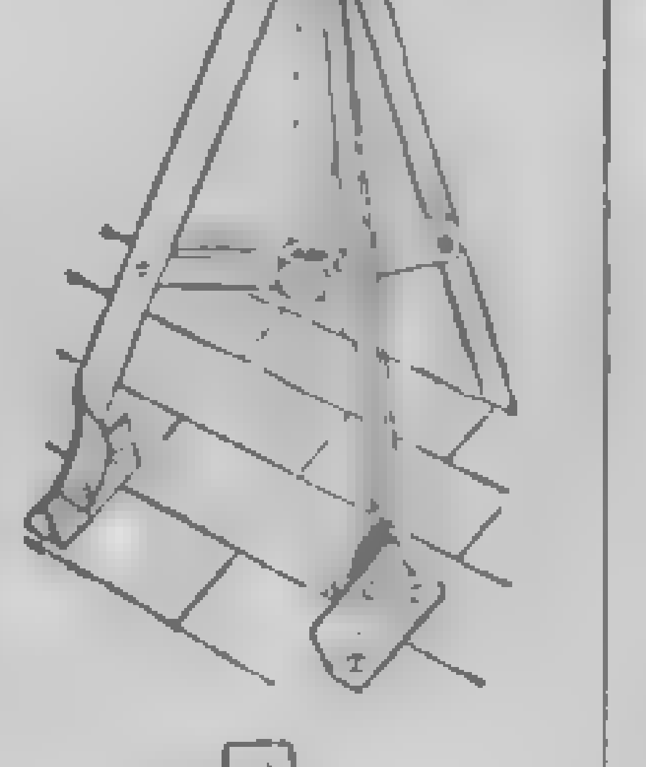
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LOW-COST CHIMNEY MOUNT

A **Type 9127. With Stainless Steel Strapping.** Sturdy chimney bracket. An excellent choice for economy antenna systems. One-piece brackets for quick installation—can be installed in minutes. Brackets are heavy gauge steel, zinc-plated and dichromate-dipped for long life. Brackets securely support antenna mast—even under high wind conditions. Easily adjusted for snug, firm grip. Will support masts up to 1¾" dia. With 2—12' straps and hardware. Shpg. wt., 4 lbs.
71 C 557. List, $4.20. **NET**..........2.47

Type 8005. With Galvanized Steel. Same as above, but has galvanized steel strapping.
97 C 065. List, $2.95. **NET**..............1.73

SNAP-IN WALL MOUNT

B **Type 8306.** Husky brackets for firmly mounting antenna mast to any flat vertical surface. Perfect for buildings with overhanging eaves. Mast snaps in place until nuts can be tightened. Permits one-man antenna installation. Constructed of heavy-gauge steel. Plated for resistance to moisture and harmful fumes. Holds mast 6" from wall. For masts up to 1¾" in diameter. Supplied complete with plated mounting screws. Shpg. wt., 2½ lbs.
98 C 481. List, $2.65. **NET**............1.56

Type 8308. Same as above, but holds mast 8" from wall. Shpg. wt., 4 lbs.
98 C 482. List, $4.30. **NET**............2.53

DELUXE SNAP-IN MOUNT

B **Type 8312.** Heavy-duty wall brackets. Support mast from side of building. Legs of bracket are spaced 16" apart to match studs of homes. Side sway prevented by sturdy mounting legs. Vertical support (not shown) eliminates sag. Provides 12" wall clearance. Made of heavy gauge steel. Doubly protected—zinc plated and dichromate dipped for long life. Holds masts up to 1¾" in diameter. Shpg. wt., 5 lbs.
98 C 483. List, $4.60. **NET**...........2.70

Type 8318. Same as above, but provides 18" wall clearance. Shpg. wt., 7 lbs.
98 CX 484. List, $5.95. **NET**...........3.50

Type 8324. Same as Type 8312, but provides 24" wall clearance. Shpg. wt., 10 lbs.
98 CX 485. List, $8.05. **NET**..........4.73

CHIMNEY MOUNT REPAIR KIT

C **Type 8932. Stainless Steel.** Stainless steel strapping with eye bolts, nuts and strap clamps. Replaces rusted or broken strapping on all types of chimney mounts. Heavy-gauge strapping for secure support. Stainless steel will resist effects of weather, salt air and smoke fumes. Shpg. wt., 2 lbs.
71 C 558. List, $3.95. **NET**..........2.32

VENT PIPE MOUNT

D **Type 8803.** Handy vent pipe mount that will clamp on any pipe or vent from 4" to 6" in diameter. Perfect for antenna installations on roofs where chimney is inaccessible. Simple and easy to use. Made of extra heavy gauge steel for long life. Will support a variety of installations. Handles all masts up to 1¾" in diameter. Securely supports antenna mast. Zinc-plated and dichromate-dipped for double protection against rusting; provides exceptionally long life. Shpg. wt., 3 lbs.
98 C 480. List, $2.95. **NET**...........1.73

SNAP-IN CHIMNEY MOUNT

E **Type 8930. With Stainless Steel Strapping.** Excellent mount for quick, dependable installation. Extra-heavy construction. Simply snap mast into bracket and tighten bolts. Fits masts up to 1¾" diameter. Brackets of heavy-gauge steel, zinc-plated and dichromate-dipped for protection against rusting. With two 12-ft. lengths of stainless steel strapping. Shpg. wt., 4 lbs.
97 C 027. List, $5.25. **NET**..........3.09

Type 8610. With Galvanized Steel. As above but has galvanized steel strapping.
97 C 028. List, $3.65. **NET**............2.15

EAVE MOUNT

F **Type 8933.** For mounting antenna mast on eaves of buildings. Lower bracket is 48" long to straddle side of building; angle-iron construction provides high strength. Upper bracket mounts close to peak of roof. Weatherproof—zinc plated and dichromate dipped. For masts to 1¾" dia. Shpg. wt., 7 lbs.
98 CX 486. List, $7.85. **NET**.........4.62

"NO-GUY" ROOF MOUNT

G **Type 9060.** Steel and cast-iron base for mounting over ridge of peaked roof or on a flat roof. Legs adjustable to angle of roof. Will support average antenna on up to 10 ft. mast without guy wires. For masts up to 1½" dia. Shpg. wt., 5 lbs.
98 C 493. List, $5.33. **NET**...........3.14

HINGED-TYPE RIDGE MOUNT

H **Type 9021.** Highly versatile antenna mast support for mounting on peaked roofs, flat roofs or walls. Hinged type brackets adjustable for easy installation on any angle roof. Extra heavy gauge steel using heavy pipe supports. Fits mast up to 1½". Zinc plated and gold dichromate dipped for double protection against rust. Shpg. wt., 3 lbs.
91 C 381. List, $2.60. **NET**...........1.52

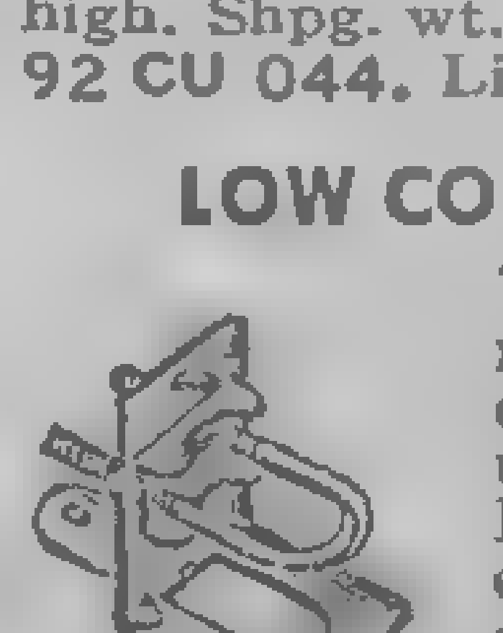
ANTENNA BASE

J **Type 9063.** Sturdy antenna base. For masts of 10 feet or more and up to 1½" O.D. Eliminates guy wires in the average installation. Set-screws anchor mast and permit orientation. Electro-galvanized; dichromated. 2-ft. high. Shpg. wt., 6½ lbs.
92 CX 040. List, $7.85. **NET**.........4.62

Type 9144. As above, but 3 feet high and constructed from 1" electro-galvanized steel tubing. Shpg. wt., 8½ lbs.
92 CX 043. List, $9.15. **NET**.........5.38

Type 9143. Same as Model 9144 but 5 feet high. Shpg. wt., 15 lbs.
92 CU 044. List, $17.50. **NET**........10.29

LOW COST ANTENNA MOUNT



Type 8800-U. Low cost antenna mast mount designed to provide extra secure support for masts up to 1½-inch outside diameter. Heavy "U" bolt and clamp with dual serrated jaws hold mast securely in position. "Extra leg" and reinforcing ribs give added strength. Doubly zinc plated and dichromate dipped for all weather protection. Shpg. wt., ½ lb.
91 C 482. List, 70c. **NET**.............41c

TELESCOPING TV MASTS

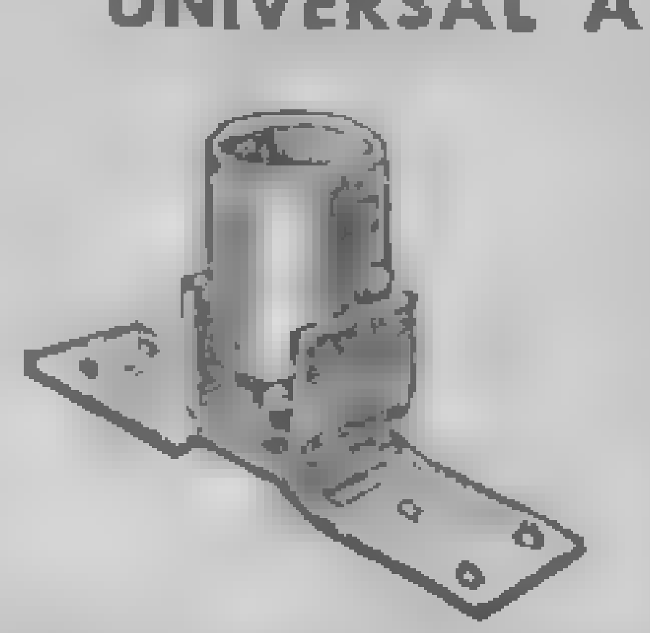
50-Ft. Mast. Heavy-duty telescoping mast of high-carbon steel. Ideal for any television array. Designed for exceptionally easy installation. Husky bolts and cotter pins lock each section in place. 18-20 gauge high-carbon steel tubing with 1¼-oz. per inch zinc plating inside and out. Consists of 5—10-ft. sections; O.D.: #1 (1¼"). #2 (1½"). #3 (1¾"). #4 (2"). #5 (2¼"). Floating guy-ring design permits rotating mast to orient antenna for best reception. With all hardware and installation instructions. Shpg. wt., 39 lbs.
92 CZ 103. NET.........13.35

40-Ft. Mast. Consists of 4 rugged sections (see sizes listed above): Nos. 1, 2, 3, and 4. Maximum height, 40 feet. Shpg. wt., 29 lbs.
92 CZ 102. NET.........9.78

30-Ft. Mast. Consists of 3 rugged sections: Nos. 1, 2, and 3 described above. Maximum height, 30 feet. Shpg. wt., 21 lbs.
92 CZ 101. NET.....................7.04

20-Ft. Mast. Consists of 2 sections: Nos. 1 and 2 described above. Height, 20 feet. Shpg. wt., 14 lbs.
92 CZ 100. NET....................4.31

UNIVERSAL AND ROOF MOUNT



Heavy-duty swivel base mount. Ideal for use with telescoping masts, described above. Extremely sturdy and versatile, it meets the requirements of almost any mast installation. Can be used on any surface—flat, slanted or peaked. Complete with tube which holds masts up to 2⅜" in diameter. Shpg. wt., 2½ lbs.
92 C 536. NET......................1.18

GROUND RODS

An excellent selection of new, low-cost ground rods. Constructed of moisture-resistant copper-plated steel. Special raised lip keeps ground lead connector permanently anchored on rod. With bolt for easy connection.

Size, 4'x⅜". Shpg. wt., 1½ lbs.
92 CX 537. NET....................52c

Size, 6'x⅜". Shpg. wt., 2¼ lbs.
92 CU 538. NET.........................75¢

Size, 8'x½". Shpg. wt., 5 lbs.
92 CU 539. NET.........................1.52

GROUND & GUY WIRE

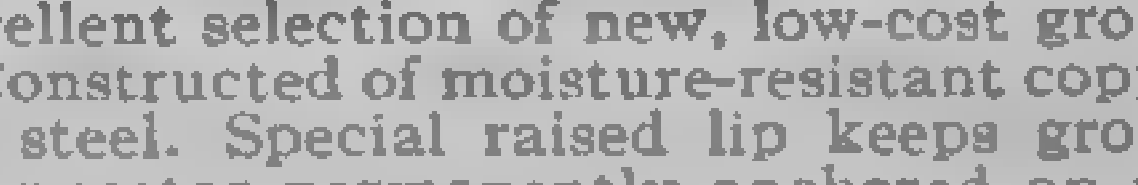
Aluminum Ground Wire. No. 8 solid aluminum wire. For all grounding applications.

Stock No.	Coil Length	Wt., Lbs.	NET
49 T 653	50-ft.	1½	.65
49 T 650	100-ft.	2¼	1.25
49 TU 652	1000-ft.	26	11.98

No. 20 Galvanized Guy Wire. Six-strand. No. 20 steel wire. Available in 100-ft. or 1000-ft. rolls. Shpg. wt., 100-ft. roll, 2 lbs.
58 T 312. 100-Ft. Roll. NET.........58c
71 TU 513. 1000-Ft. Roll. NET.......5.57

No. 18 Galvanized Guy Wire. Same as above, but for heavier-duty applications. In 100-ft. or 1000-ft. rolls. Wt., 100 ft., 2½ lbs.
51 T 319. 100-Ft. Roll. NET.........92c
71 TU 545. 1000-Ft. Roll. NET 8.74

ANTENNA MAST SECTIONS

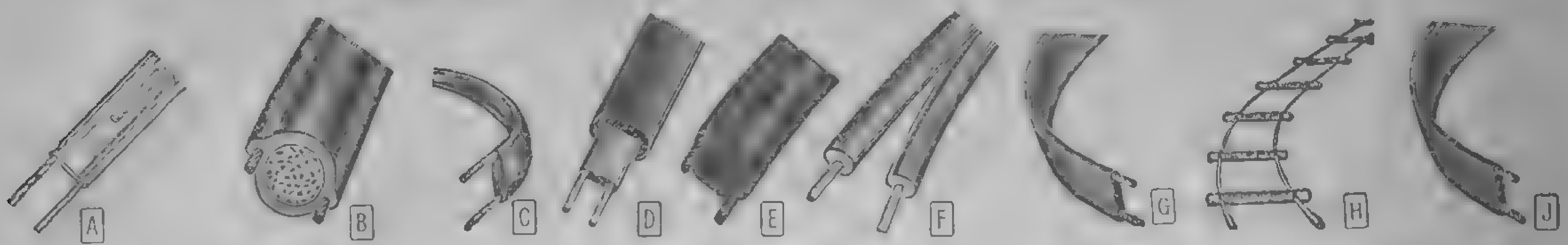


Ends are swaged for simplified installation. Made of heavy-wall steel with electro-galvanized finish. *Seamless type; others are seamed. All are 1¼" O.D.

Stock No.	Ht.	Wall	Shpg. Wt.	NET EACH
97 CX 137	5 ft.	.035"	3 lbs.	.68
98 CX 366*	5 ft.	.051"	4 lbs.	.96
97 CZ 138	10 ft.	.035"	5 lbs.	1.25
98 CZ 367*	10 ft.	.051"	7 lbs.	1.95

TV Twin Line and Accessories

BELDEN, AMPHENOL AND KNIGHT TWIN LINE



BELDEN TWIN LINE

A **Type 8225.** Flat 300-ohm twin line. Finest quality 7-28 stranded copper conductors. High-quality polyethylene jacket has 58-mil web thickness. Shpg. wt., 100 ft., 1¾ lbs.

49 T 582. 25′ Coil. NET	71c
49 T 385. 50′ Coil. NET	1.14
49 T 386. 75′ Coil. NET	1.53
49 T 389. 100′ Coil. NET	1.88
49 W 384. Over 100′, Per 100′	1.88

A **Type 8230.** Weldohm 300-ohm twin-line. 70-mil web thickness. Conductor of 7-28 stranded copper-coated steel wire. Copper coating provides high conductivity; steel core for high strength. Wt. per 100 ft., 2 lbs.

49 T 248. 25′ Coil. NET	76c
49 T 387. 50′ Coil. NET	1.21
49 T 388. 75′ Coil. NET	1.67
49 T 394. 100′ Coil. NET	2.09
49 W 383. Over 100′, Per 100′	2.09

B **Type 8275.** 300-ohm UHF-VHF CELLULINE. Has cellular polyethylene core, inert gas-filled. Brown polyethylene jacket. 7-28 copper-coated steel conductors. Shpg. wt., per 100 ft., 3½ lbs.

49 T 396. 50′ Coil. NET	2.35
49 T 397. 75′ Coil. NET	3.38
49 T 395. 100′ Coil. NET	4.19
49 W 398. Over 100′, Per 100′	4.19

C **Type 8235.** 300-ohm, oval twin-line. Very low loss; for UHF-VHF use. Copper-coated, 7-26 steel wire conductors. Extremely tough 185-mil web thickness. 100-ft. minimum. Shpg. wt., per 100 ft., 4½ lbs.

49 T 393. 100′ Spool. NET	4.70
49 W 399. Over 100′, Per 100′	4.70

D **Type 8285.** New, low-loss 300-ohm UHF-VHF twin lead resists salt spray, industrial contamination, etc. 22-gauge (7x30) copperweld conductors. Polyethylene insulation and webbing. Cellular polyethylene outer jacket. Size, O.D. ¼x15⁄32″. Wt., per 100 ft. 3½ lbs.

49 T 583. 50′ Coil. NET	2.79
49 T 584. 75′ Coil. NET	4.12
49 T 585. 100′ Coil. NET	5.29
49 W 586. Over 100′, Per 100′	5.29

BELDEN TWIN LINE

Type 8222. 72-Ohm Twin Line. (Not illustrated.) High-quality brown polyethylene jacket. .075x.128″ diam. 100-ft. minimum. Shpg. wt., per 100 ft., 1¼ lbs.

49 T 392. 100′ Spool. NET	2.01
49 W 379. Over 100′, Per 100′	2.01

AMPHENOL TWIN LINE

E **Type 214-271.** Tubular 300-ohm twin line. Air-core spacing for extremely high efficiency—ideal for UHF or VHF installations. 7-28 copper conductors. 100-ft. minimum. Shpg. wt., per 100 ft., 3 lbs.

49 T 444. 100′ Coil. NET	3.51
49 W 447. Over 100′, Per 100′	3.51

E **Type 214-076.** Heavy-duty, extremely durable 300-ohm tubular twin line. May also be used by Amateurs—rated at 1 kw RF. Low-loss air-core spacing for high efficiency and extra durability. 7-26 bare copper conductors of high quality. 100-ft. minimum length. Shpg. wt., 100 ft., 3½ lbs.

49 TX 416. 100′ Coil. NET	6.36
49 W 409. Over 100′, Per 100′	6.36

F **Type 214-103.** Marine core 300-ohm twin lead built especially for low loss in high precipitation and coastal areas—in rain, snow or salt spray. Useful also in fringe and industrial areas. 20-gauge (7x28) pure copper conductors, polyfoam cores, polyethylene outer jacket. O.D. ¼x15⁄32″. Wt., per 100 ft., 3½ lbs.

49 T 591. 50′ Coil. NET	4.20
49 T 592. 75′ Coil. NET	5.80
49 T 593. 100′ Coil. NET	7.35
49 W 594. Over 100′, Per 100′	7.35

G **Type 214-318.** Flat, 300-ohm twin line for indoor installation only. 60-mil web clear polyethylene dielectric. Flexible to permit easy installation around baseboards, etc. Extremely low loss and constant impedance provide maximum transfer of signal. Shpg. wt. per 100 ft., 5 lbs.

49 T 481. 50-ft. Coil. NET	1.38
49 T 482. 75-ft. Coil. NET	1.89
49 T 483. 100-ft. Coil. NET	2.37
49 W 484. Over 100′, Per 100′	2.37

AMPHENOL TWIN LINE

G **Type 214-056.** Flat 300-ohm polyethylene twin line for FM and TV antennas. 56-mil web thickness. 7-28 stranded conductors. Brown polyethylene dielectric for more constant impedance. Wt. per 100 ft., 2 lbs.

49 T 434. 25′ Coil. NET	.83
49 T 437. 50′ Coil. NET	1.31
49 T 439. 75′ Coil. NET	1.77
49 T 441. 100′ Coil. NET	2.22
49 W 436. Over 100′, Per 100′	2.22

G **Type 214-100.** Flat 300-ohm polyethylene twin line. 100-mil web thickness. 7-28 stranded copper conductors. Brown polyethylene dielectric assures minimum signal loss. Shpg. wt., per 100 ft., 2½ lbs.

49 T 417. 50′ Coil. NET	1.50
49 T 418. 75′ Coil. NET	2.09
49 T 413. 100′ Coil. NET	2.70
49 W 419. Over 100′, Per 100′	2.70

G **Type 214-185.** Flat, heavy-duty, 300-ohm twin line. Recommended for VHF television and FM antenna installations. Thick jacket provides extra strength for long life. 185-mil web thickness. Brown polyethylene dielectric resists effects of sun, chemical fumes or salt-laden air. 7-26 stranded copper conductors. 100-ft. minimum. Shpg. wt. per 100 ft., 5 lbs.

49 T 414. 100′ Coil. NET	5.40
49 W 426. Over 100′, Per 100′	5.40

KNIGHT TWIN LINE

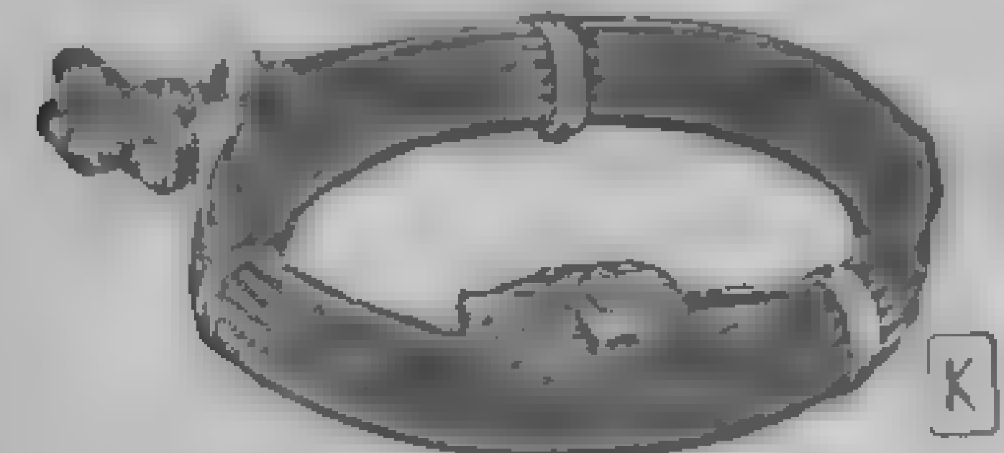
H **UHF-VHF Open Line.** 300-ohm. Designed to meet the more critical requirements of UHF installations. Loss 0.5 db per 100 ft. at 200 mc. In coil lengths below. Wt. per 100 ft., 2¼ lbs.

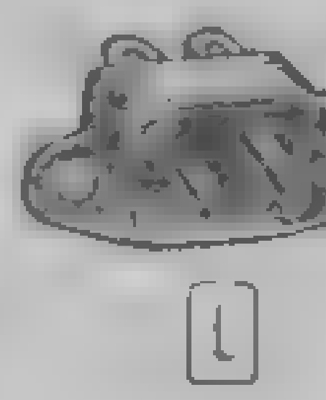
47 T 578. 100′ Coil. NET	2.17
47 TX 579. 250′ Coil. NET	4.89

J **300-Ohm VHF-TV Twin Line.** High-quality twin line. Provides excellent service at a moderate cost. 72-mil web thickness. Low-loss polyethylene jacket. No. 20 stranded conductors. 100-ft. minimum length. Shpg. wt., 100 ft., 2 lbs.

49 T 448. 100′ Coil. NET	1.58
49 W 435. Over 100′, Per 100′	1.58

TV POWER CORDS AND CONNECTORS





K **TV Power Cord and Connector.** This durable, all-plastic TV cord is identical to original equipment on most TV sets. 18-gauge 2-conductor cord is 6 ft. long. Molded-connector fits standard TV receptacle (Fig. L). U.L. Approved. Shpg. wt., 8 oz.

49 T 237. NET	.21c

9-Ft. Cord. Same as above, except 9 feet long. Shpg. wt., 12 oz.

49 T 234. NET	26¢

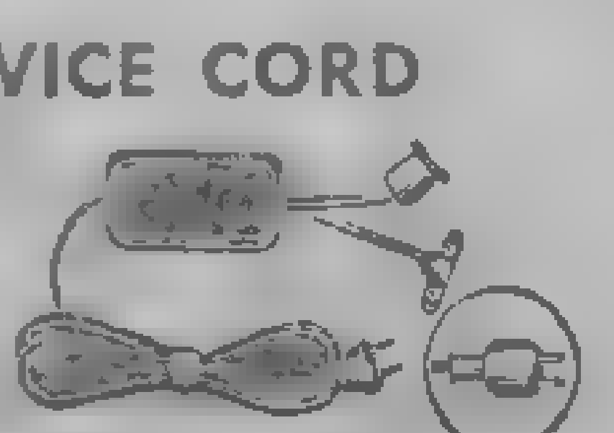
TV Power Cord and Connector. (Not illustrated.) Identical to original equipment on Zenith and many other popular brands of TV sets. Plastic-insulated, 18-gauge 2-conductor AC cord 6 feet long. Molded-on rubber plug. Zenith type, polarized female connector, 1″ dia. x ⅞″ deep. ½″ pin spacing. Underwriters' Approved. Shpg. wt., 10 oz.

49 T 239. NET	36¢

L **Male Connector.** Flush mounting; used on most TV sets. Shpg. wt., 2 oz.

49 T 238. NET	9¢

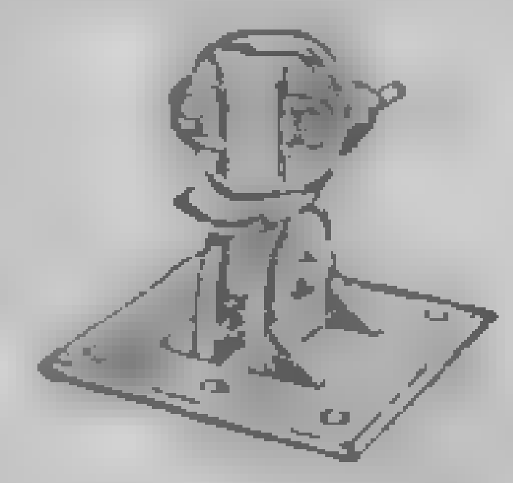
ALL-PURPOSE SERVICE CORD



Female Type. One flexible brown cord to service most TV sets. Plug one end into wall outlet; other end has duplex AC receptacle with 2 connectors for attaching to TV chassis. One is standard soft-plastic TV connection; other is metal Zenith connection. 6 ft. long. Shpg. wt., 1 lb.

52 T 665. NET	1.10

PENN TV MAST MOUNT



Exceptionally sturdy, easy-to-install TV mast mount. Excellent for flat and sloping roofs or side walls. Permit one-man installation of tall, fringe area antennas. Swivel joint locks securely in any position. Adjustable top supports antenna masts from 1″ to 2″ OD. Constructed of aluminum alloy. Shpg. wt., 2 lbs.

97 C 176. NET.	3.06

PENN FLOATING GUY RINGS

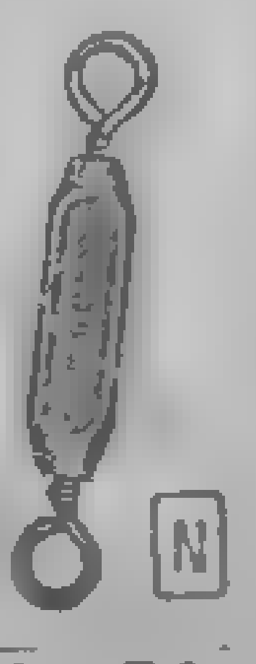
GRA-140. Cast aluminum, floating guy ring and collar. Fastens to mast with steel set screw. Permits rotating antenna after guy wires are installed. Lubricated to assure smooth rotation. For 3-guy or 4-guy installations. For masts to 1⅜″. Shpg. wt., 8 oz.

97 C 178. NET	1.15

GRA-141. Same as GRA-140 but for masts up to 1¾″ O.D. Shpg. wt., 9 oz.

97 C 179. NET	1.21

GUY WIRE TURNBUCKLES

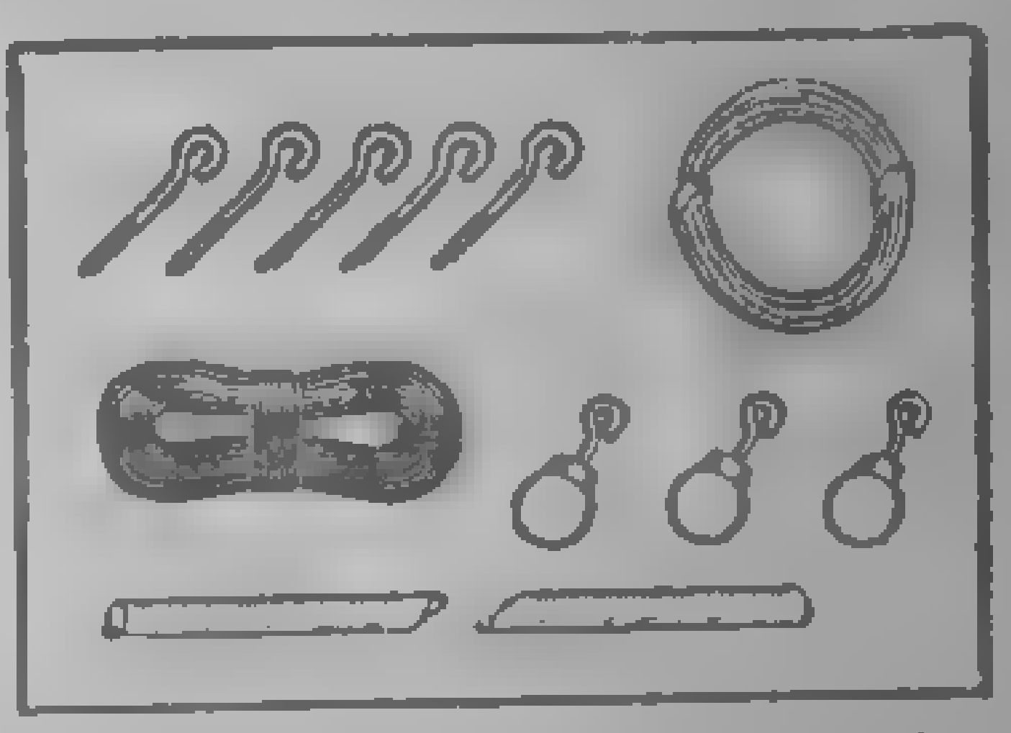


A wide selection of turnbuckles. Provide convenient adjustment of guy-wire tension. Made of heavy-duty cast aluminum. Fig. N has closed loops at each end for use where quick removal is not required. Other types can be easily disconnected. Av. wt., 8 oz.

Stock No.	Fig.	Closed	Open	NET	10-Up, EA.
44 C 790	M	5½″	7⅝″	12¢	11¢
44 C 791	M	6¾″	9¼″	20¢	18¢
44 C 792	M	7½″	10½″	30¢	27¢
44 C 796	N	5½″	7⅝″	12¢	11¢
44 C 797	N	6¾″	9¼″	20¢	18¢
44 C 798	N	7½″	10½″	30¢	27¢

KNIGHT TV ANTENNA INSTALLATION KIT

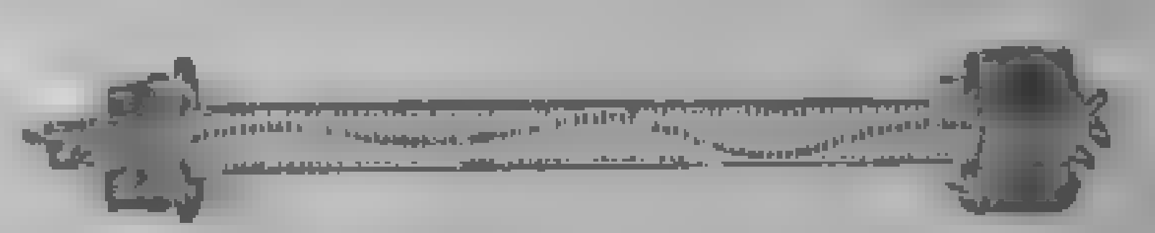
Accessories
for Quick,
Easy
Installation
of Any TV
Antenna



Extremely useful TV antenna installation kit at a money-saving price. Ideal for making new TV antenna installations or for repair of existing installations. Top-quality components for years of reliable service. Kit includes: 3—3-foot mast sections of heavy-wall, galvanized steel, 100 feet of 300-ohm twin-line; U.L. Approved lightning arrester; 5 screw-type standoff insulators; 2 mast-type standoff insulators; 20 feet of No. 8 gauge, solid aluminum ground wire. Shpg. wt., 7¾ lbs.

71 CX 687. NET	3.27

TELCO LEAD-IN TUBES



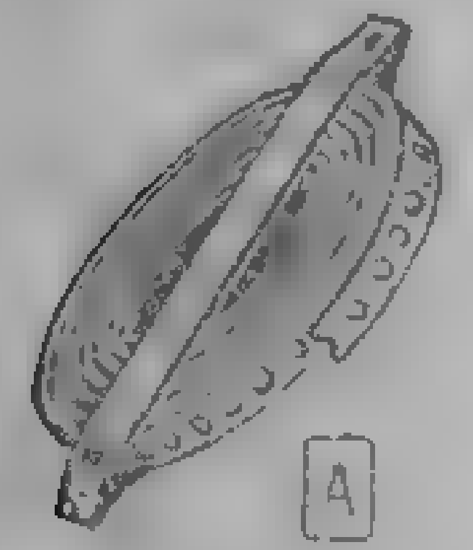
Type 8641. Combination plastic lead-in tube and lightning arrester. Fits walls to 16″ in thickness. Has lightning arrester on outside end; wall plug on inside. Simple installation—lead-in wire is fastened under teeth of lightning arrester and contact is made to inside. Requires ¾″ mounting hole. Shpg. wt., 1 lb.

51 C 100. List, $2.95. NET	1.90

Type 8958. As above, less arrester and plug. Ideal for terminating open line outside and bringing standard line into house. ½ lb.

71 C 559. List, $2.35. NET	1.52

TV Antenna Accessories—Tube Brighteners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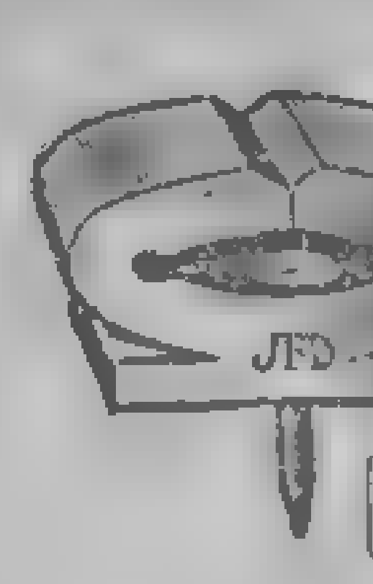
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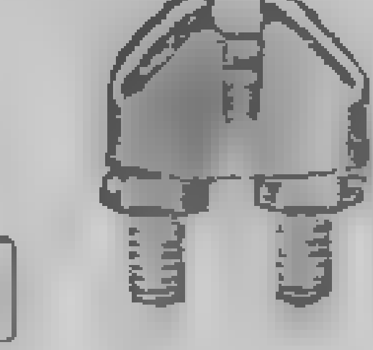
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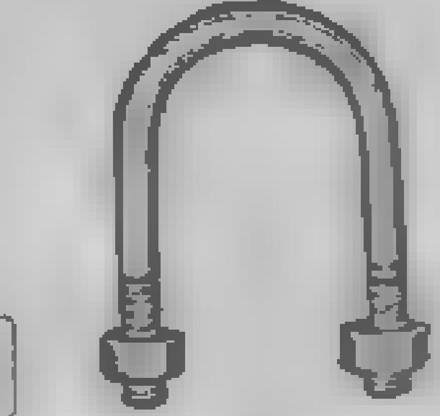
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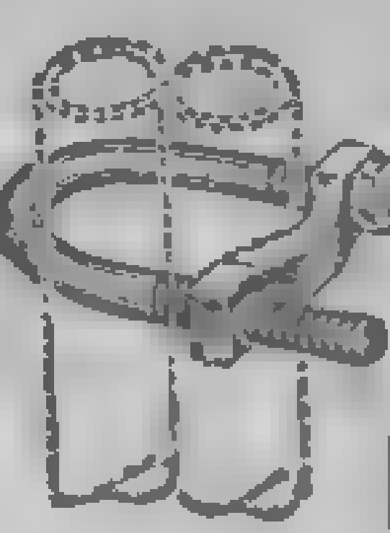
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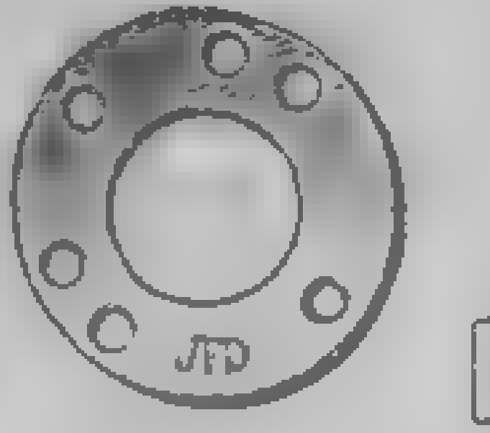
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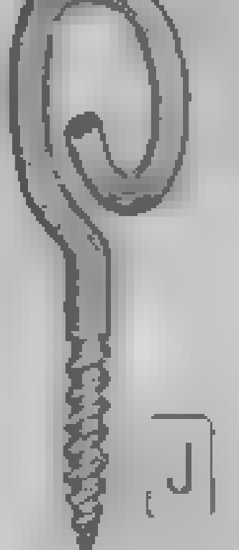
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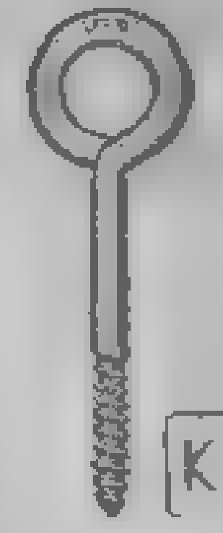
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A **Hanger Strap.** Designed for mounting antenna masts to odd-shaped objects. Made of corrosion-resistant, heavy ¾" galvanized steel strapping.
71 C 400. 12' coil. Wt., 1 lb. **NET.......23¢**

B **Wall Stand-Off Insulator.** Designed for securing antenna twin-lead to baseboards, walls, etc. Pack-in type for easy installation. Wt., per pkg., 10 oz. **10 per pkg.**
71 C 608. PER PKG..................44¢

C **Ring Clamp.** Supports guy wire ring on antenna mast. Constructed of corrosion-resistant steel to insure long service. Provides slip-proof grip on mast. Fits mast diameters (O.D.) shown below. Shpg. wt., per pkg., 3 oz. **5 per pkg.**
71 C 609. ¾"-1". PER PKG...........25¢
71 C 610. 1"-1¼". PER PKG..........25¢

D **Cable Clamp.** Provides a non-slip grip on antenna and tower guy-wires. Eliminates need for splicing or soldering cable loops. Fits cables up to 3/16" dia. Solid steel U-bolt has 5/16"x24 thread. Hex nuts for easy tightening. Galvanized collar has tapered slots—increases cable grip with each turn of wrench. Size, ⅜x 1x7/16". Shpg. wt., 4 oz.
71 C 686. NET EACH...............14c

E **U-Bolt.** Galvanized steel. With nuts and washers. Fits up to 1½" (O.D.) masts. Shpg. wt., per pkg., 4 oz. **2 per pkg.**
71 C 611. PER PKG.................19¢

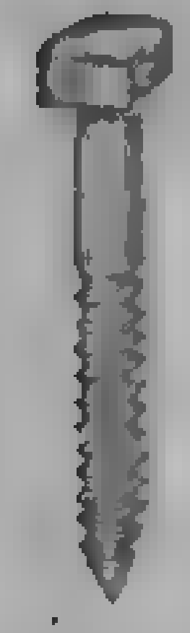
F **Mast Clamp.** Has serrated yoke for tight, non-slip grip on masts. For 2 masts with max. O.D. of 1⅜" each. Made of galvanized steel. Shpg. wt., per pkg., 4 oz. **2 per pkg.**
71 C 612. PER PKG.................34¢

G **Antenna Clip.** A very handy accessory for servicemen. Clips standard 300-ohm lead-in to antenna terminals of TV sets. Low-loss plastic clip with screw terminals for transmission line. 3¾" long. Shpg. wt., 2 oz.
41 C 132. NET.........................7¢

H **Universal Guy Ring.** Designed to rest unanchored on ring clamp. For 1¼" O.D. masts. Shpg. wt., per pkg., 10 oz. **5 per pkg.**
71 C 615. PER PKG..................37¢

J **Open Guy Wire Hook Eye.** Designed to anchor guy wires firmly and securely. Screws into wood. Made of galvanized steel. Shpg. wt., per pkg., 10 oz. **5 per pkg.**
71 C 619. PER PKG.................22¢

K **Closed Hook Eye.** Anchors guy wires. 5" long. Shpg. wt., per pkg., 10 oz. **5 per pkg.**
71 C 621. PER PKG..................23¢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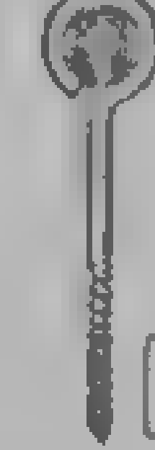
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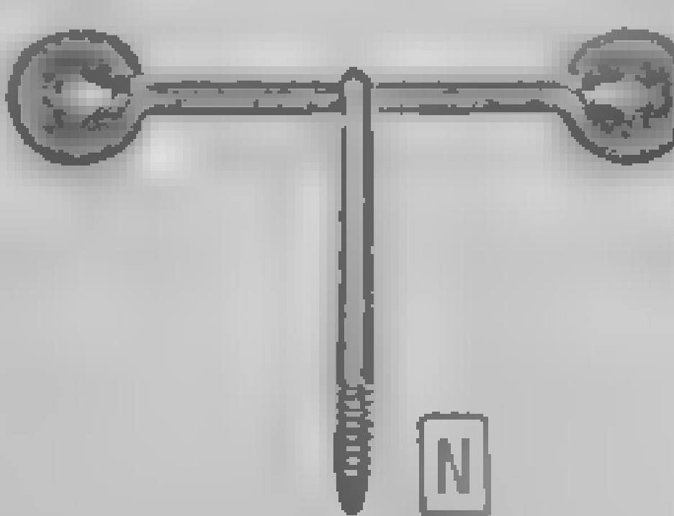
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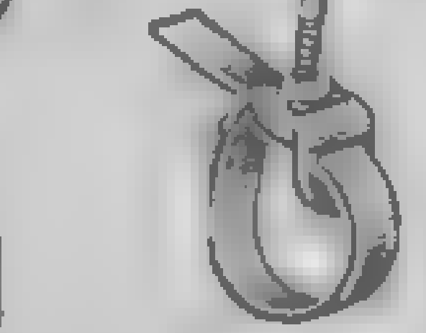
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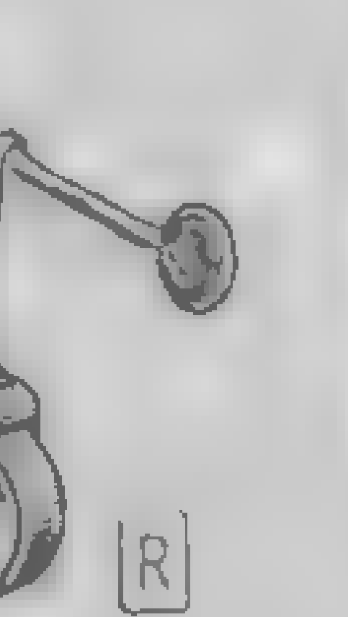
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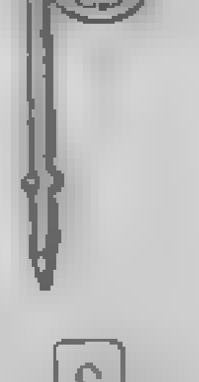
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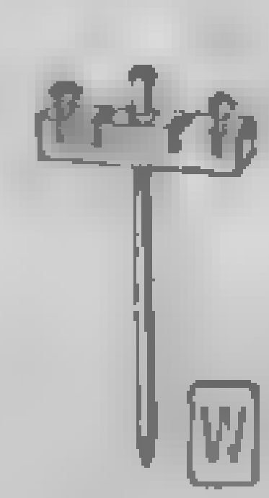
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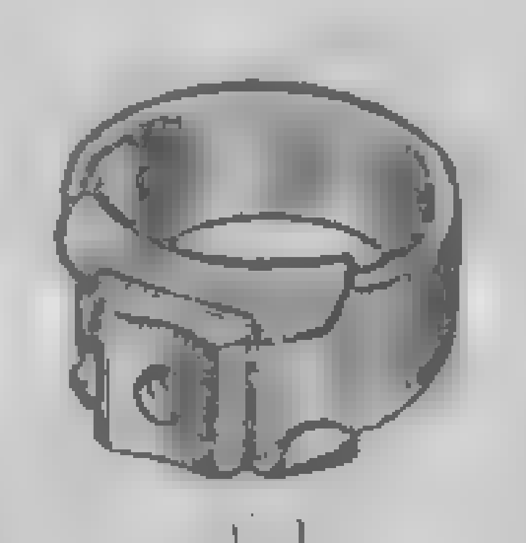
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Y

L **Heavy-Duty Lag Bolts.** For rigidly securing mast mounts, tower bases, etc., to wood, brick, masonry or other surfaces. Made of rust-resistant, heavy cadmium-plated steel. Bolts have a ¼" diameter shank. Tighten with wrench or pliers. Av. shpg. wt., per pkg., 5 oz. **10 per pkg.**
71 C 605. 1½". PER PKG.............42¢
71 C 606. 2". PER PKG................47¢

M **Universal Stand-Off Insulators.** For use with flat, oval or tubular twin-lead, and coaxial TV lead-in. Polyethylene insulation. Fasten securely by screwing into wood. Av. shpg. wt., per pkg., 10 oz. **6 per pkg.**
71 C 622. 3½". PER PKG.............14¢
71 C 623. 5½". PER PKG.............22¢
71 C 624. 7½". PER PKG.............23¢

N **!Double-Stand-Off Insulators.** Wood-screw type insulator holds two separate lead-ins simultaneously. Can be used for flat, oval, tubular and coaxial lead-ins. Available in lengths listed below. Average shpg. wt., per pkg., 10 oz. **5 per pkg.**
71 C 628. 3½". PER PKG.............47¢
71 C 629. 5½". PER PKG.............52¢
71 C 630. 7½". PER PKG.............54¢

P **Strap-Type Single Stand-Off Insulators.** Mount on mast. For flat, oval, tubular and coaxial lead-in. In lengths listed below. Shpg. wt., per pkg., 6 oz. **3 per pkg.**
71 C 654. 3½". PER PKG.............25¢
71 C 655. 5½". PER PKG.............28¢
71 C 656. 7½". PER PKG.............28¢

R **Strap-Type Double Stand-Off Insulators.** Universal type for use on flat, oval, tubular, and round lead-in or coaxial lines. Holds two transmission lines—can be used when two antennas are mounted on a common mast, such as in a VHF-UHF installation. Keeps lines well separated, preventing cross-talk and interaction. Has universal, strap-type mount for clamping to any mast. In lengths listed below. Average shpg. wt., per pkg., 8 oz. **3 per pkg.**
71 C 633. 3½". PER PKG.............33¢
71 C 634. 7½". PER PKG.............48¢

S **Drive-In Stand-Off Insulators.** Universal standoff. For use with flat, oval, tubular and coaxial TV lead-ins. For driving into wood, brick, masonry or other surfaces. 3½" long. Shpg. wt., per pkg., 5 oz. **5 per pkg.**
71 C 626. PER PKG..................18¢

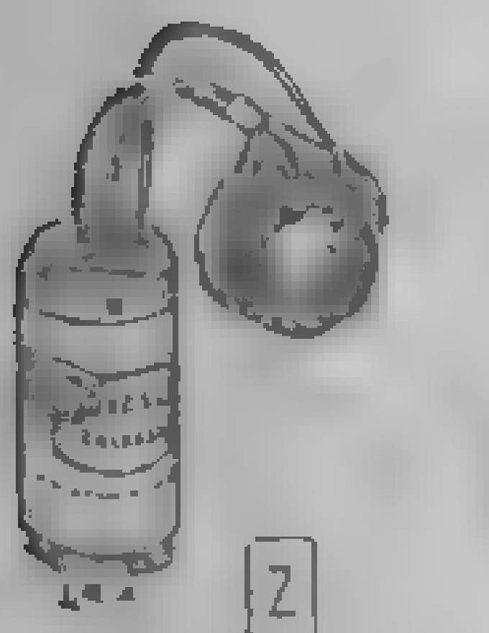
T **Universal Hot Nail Stand-Off Insulators.** For flat, oval, tubular, and coaxial TV lead-in line. Holds securely when driven into wood, mortar, or brick. Length, 3½". Shpg. wt., per pkg., 4 oz. **5 per pkg.**
71 C 627. PER PKG..................37¢

W **Open Line Stand-Off Insulator.** Has slots for 300, 450 or 600 ohm lines. 5½" nail. Av. shpg. wt., per pkg., 5 oz. **6 per pkg.**
71 C 670. PER PKG..................59¢

X **Mast Insulator Clamps.** Consist of metal strap and nut block for 10-32 machine-screw type stand-off insulators. No need to drill hole in mast. Provide non-slip grip. Wt., per pkg., 5 oz. **3 per pkg.**
71 C 823. For 1¼" masts.
PER PKG...............................14¢
10 or more pkgs., PER PKG............12¢

Y **Ground Clamp.** For secure ground connection to water pipes up to 1¼" diameter. Pointed screw tip for positive "bite"; screw terminal for ground wire. Shpg. wt., 4 oz.
51 C 310. EACH........................20¢
10 or more, EACH......................18¢

PERMA-POWER TUBE "BRITENERS"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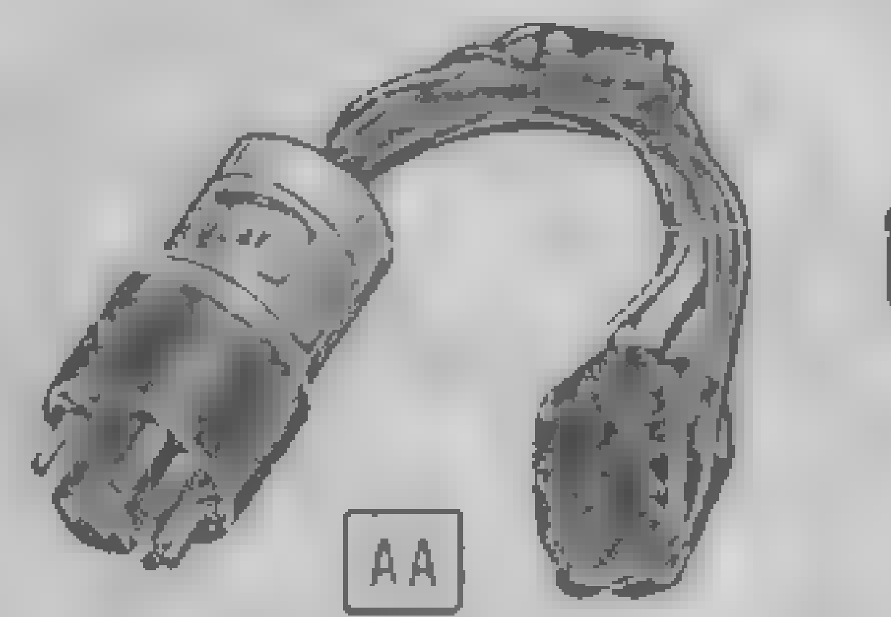
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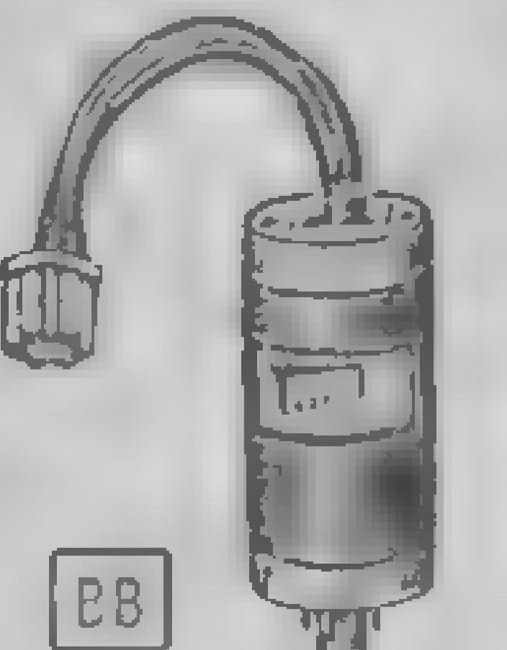
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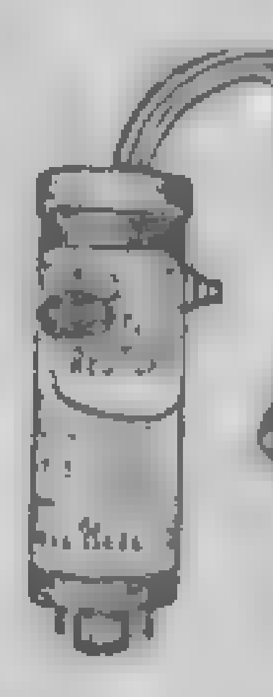
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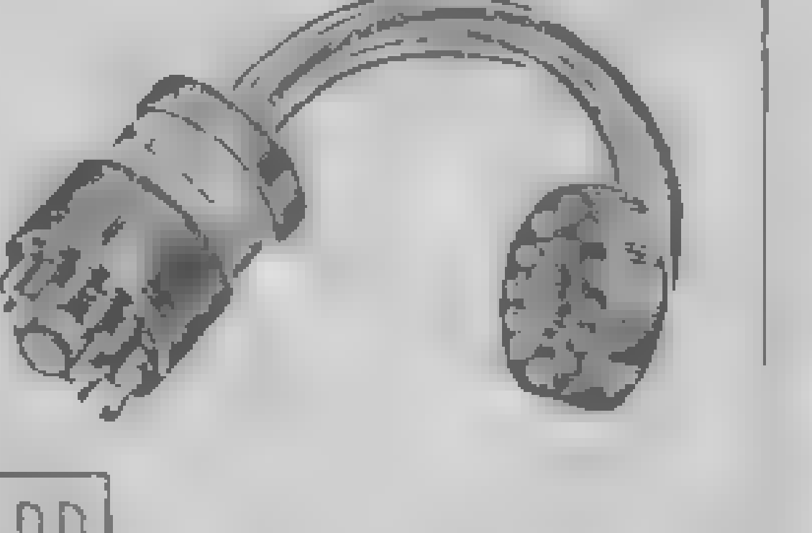

DD

Z **Model C-301 Isolation Type.** Versatile brightener with 7.8 v. position, plus normal 6.3 v. position. Simple switch allows quick selection. For use in TV sets with either series or parallel-wired tube filaments. Relieves cathode-filament shorts. 10 oz.
80 G 184. List, $4.45. **NET..........2.62**

AA **Model C-201 Autoformer Type.** Ideal for use in sets having series- or parallel-wired filaments. Can be installed on any black-and-white picture tube—8" or larger. 7.8 v. booster tap. Gold-anodized aluminum housing. Does not relieve cathode-filament shorts. Shpg. wt., 8 oz.
80 G 181. List, $2.49. **NET..........1.46**

Model C-401 Autoformer Type. Exceptionally low-cost TV tube brightener. Gives 7.8 volts output. Works on black-and-white electrostatic or electromagnetic focus picture tubes. 8" or larger. Does not relieve cathode-filament shorts. For use in television receivers having parallel-wired filaments only. Shpg. wt., 8 oz.
80 G 183. List, $1.49. **NET..........87c**

Model C-402. Autoformer Type. Same as above, but for use in sets having series-wired filaments only.
80 G 188. List, $1.49. **NET..........87c**

BB **Model C-211 110° Autoformer Type.** Versatile dual purpose tube brightener for use with 110° picture tubes. Boosts output to 7.8 volts. Has switch for adapting to parallel or series-wired filaments. With button base (RCA type). Shpg. wt., 8 oz.
80 G 168. List, $3.75. **NET..........2.20**

Model C-221 110° Autoformer Type. Same as above, but with shell base. (Sylvania-Dumont type). Shpg. wt., 8 oz.
80 G 169. List, $3.75. **NET..........2.20**

TV TUBE RESTORER

CC **Model K-101.** Versatile TV picture tube restorer. Corrects open cathodes, heater-cathode shorts, open control grids, control grid-cathode shorts, low emission, etc. For either parallel or series-wired sets. 1 lb.
80 G 189. List, $6.65. **NET..........3.90**

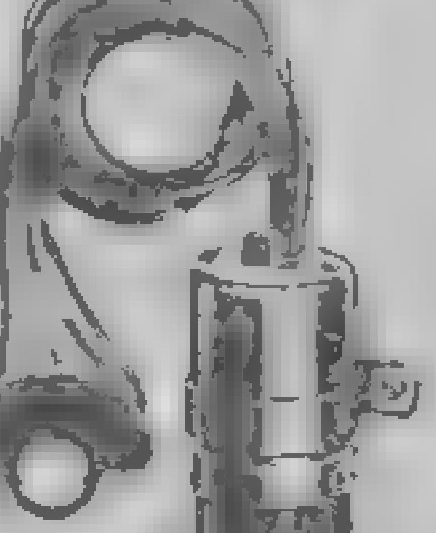
COLOR TUBE "BRITENER"

DD **Model C-501.** Single-purpose autoformer type brightener. Extends the useful life of all three-gun color TV picture tubes. Provides increased filament voltage to boost electron emission and return full contrast and color quality. Shpg. wt., 1 lb.
82 G 244. List, $9.75. **NET..........5.73**

"NU-LIFE" CATHODE-RAY TUBE RESTORER

Remarkably versatile unit. Corrects many kinds of shorts and opens in magnetic-focus and electro-static-focus picture tubes. Permanently eliminates such defects as: open cathode, shorted cathode to filament, shorted control grid to open control grid; or any combination of these. For use with either series or parallel-wired sets. Ingenious terminal board arrangement with plug-in leads allows undamaged elements to take the place of the damaged elements. Simple instructions come with unit. Also provides an easy and inexpensive method of restoring picture tube brightness. Built-in potentiometer allows adjustment to correct for low filament emission and slow heating. Shpg. wt., 12 oz.
80 G 145. NET......................4.95

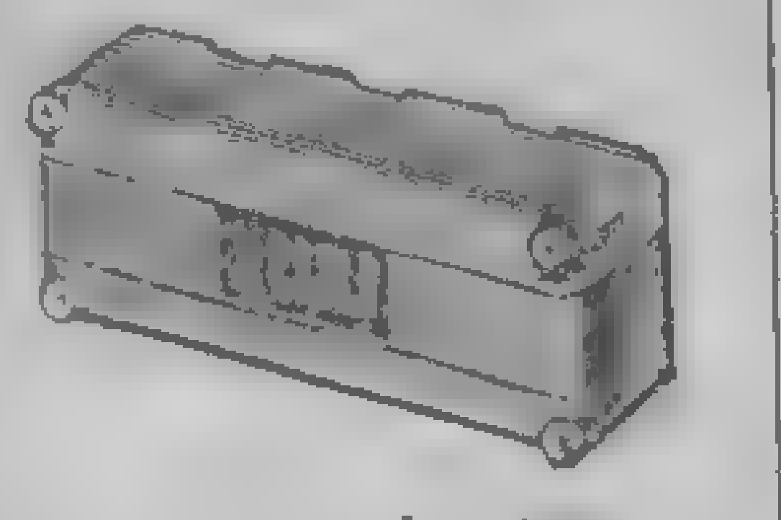
STANCOR TV TUBE BOOSTER



Model P8192. Self-contained unit adds life to aging picture tubes when dimness is due to low cathode emission. Unit boosts emission; returns full brightness and contrast to picture. For all electro-magnetic picture tubes with parallel-connected filaments. Simple, plug-in construction. Easily installed; mounts anywhere in set without soldering—installation can be made in seconds. Hi-Lo switch provides two levels of tube brilliance. Size, 3½x1½". Shpg. wt., 8 oz.
80 G 182. List, $5.44. **NET..........3.20**

TV Antenna Accessories

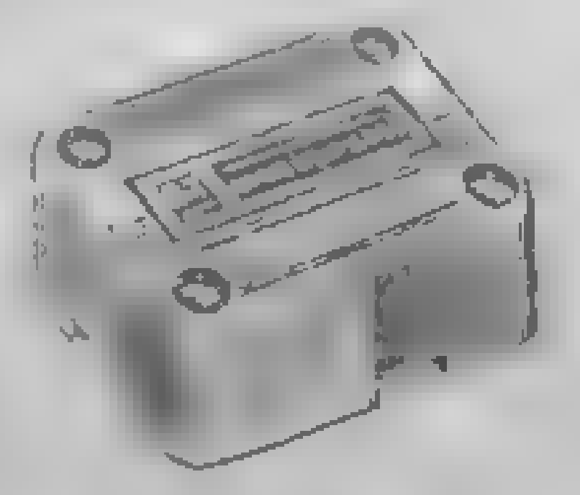
JERROLD TV COUPLERS



Isolating Couplers. High quality, exceptionally low-loss couplers. Models for use in either fringe or metropolitan areas. Permit the operation of 2, 3, or 4 receivers on the same antenna. Feature AC isolation between AC-DC TV sets and antenna. Effectively suppress oscillator interaction and interference in receivers. 300-ohm impedance matching is maintained for full signal strength to all sets. Sturdy case is universal mounting type. Fully conceals and protects all connecting lead-terminals. Types MF-2 and MF-4 are designed for fringe area reception. They feature highly efficient, transformer-type impedance matching and offer extremely low-forward losses. Ideal for undistorted passage of color TV signals. Type M-2 is for coupling in strong signal areas. Type M-2 is also recommended for use on UHF TV channels. Weatherproof polystyrene cases measure 4⅛" long, 1⅜" wide, and 1¼" deep. Shpg. wt., 6 oz.

Stock No.	Mfrs Type	Description	NET EACH
71 C 841	M-2	For 2-sets. Blue-Gray.	2.10
71 C 842	MF-2	For 2-sets. Ivory.	2.70
71 C 843	MF-4	For 3 or 4-sets. Ivory.	3.45

BLONDER-TONGUE COUPLERS



Model A-102 Set Coupler. New 2-set coupler featuring excellent isolation—a highly efficient phase discriminating circuit prevents interaction between sets. Delivers a strong signal to each TV or FM set. No-strip terminals, for quick and easy installation. 300-ohm impedance. Isolation, 10-20 db. Insertion loss, 3.5 db. Size, 1¼x2⅞x2¼". Shpg. wt., 4 oz.

51 C 213. List, $3.50. **NET**..........1.76

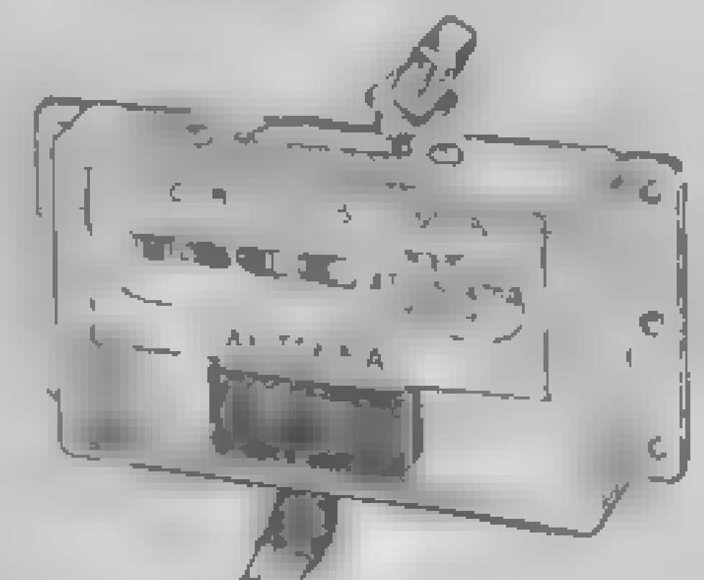
Model A-104 Four-Set or Antenna Coupler. Similar to Model A-102 above, but for connecting either 4 TV sets to one antenna, or 4 antennas to one TV set. Easy to install. Isolation, 12-20 db. Loss, 7.5 db. Size, 1¼x2⅞x2¼". Shpg. wt., 4 oz.

51 C 211. List, $4.95. **NET**..........2.45

Model A-105 Hi-Lo Antenna Coupler. New antenna coupler for connecting high and low-band TV antennas to TV set with a single 300-ohm line. Designed for fast, easy installation. Isolation, 21 db. Loss, 1 db. Size, 1¼x2⅞x2¼". Shpg. wt., 4 oz.

51 C 214. List, $3.95. **NET**..........2.16

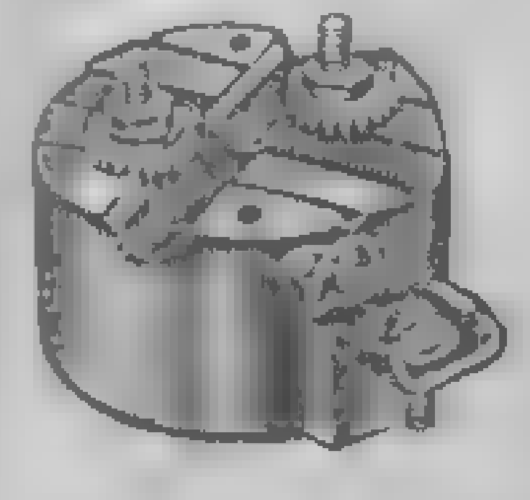
TACO SELECTIVE ATTENUATOR



Model 835. 300-ohm variable attenuator switch for TV and FM receivers. Cuts down strong incoming signals. Reduces sound and picture distortion caused by overdriving receivers. Positions: 0 db for no attenuation (normal reception); 15 db for minimum. 30 db for maximum. Size, 4½x2¼". Shpg. wt., 5 oz.

92 C 046. List, $4.45. **NET** 2.62

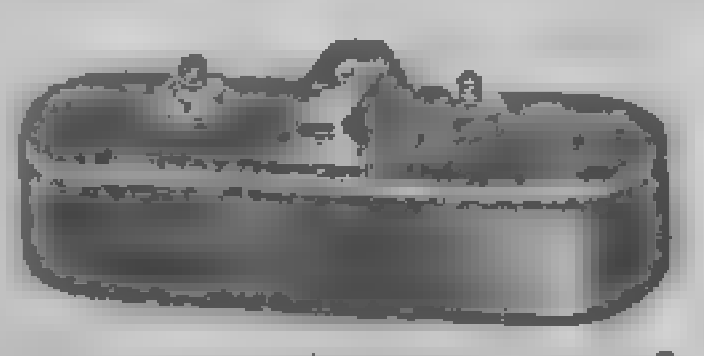
TELCO LIGHTNING ARRESTER



Type 8642. Extremely versatile, low-cost lightning arrester for protection of TV sets. For use with round, oval, flat, or open lines. Requires no stripping, cutting, or splicing of insulation for positive contact of arrester. Toothed circular contacts make firm contact. Constructed of low-loss material for full signal strength. U. L. Approved. Single screw mounting. Shpg. wt., 6 oz.

51 C 242. List, $1.25. **NET**..........73c

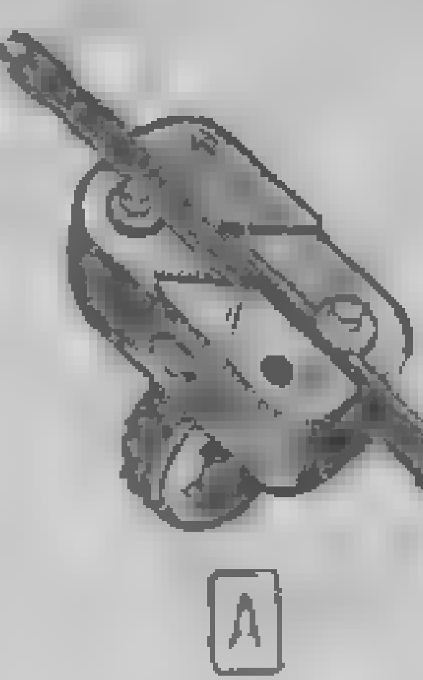
PORCELAIN ARRESTER

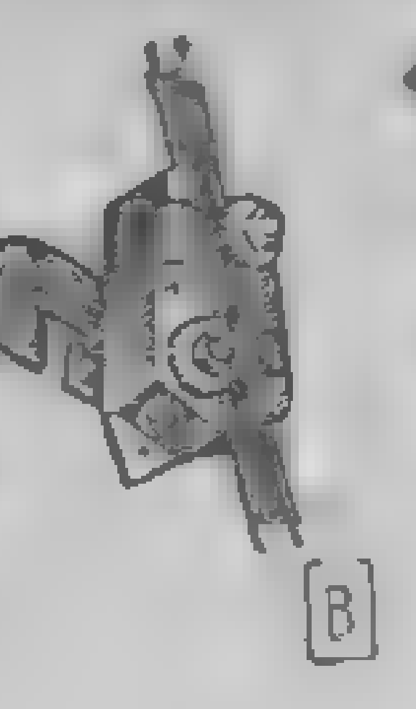


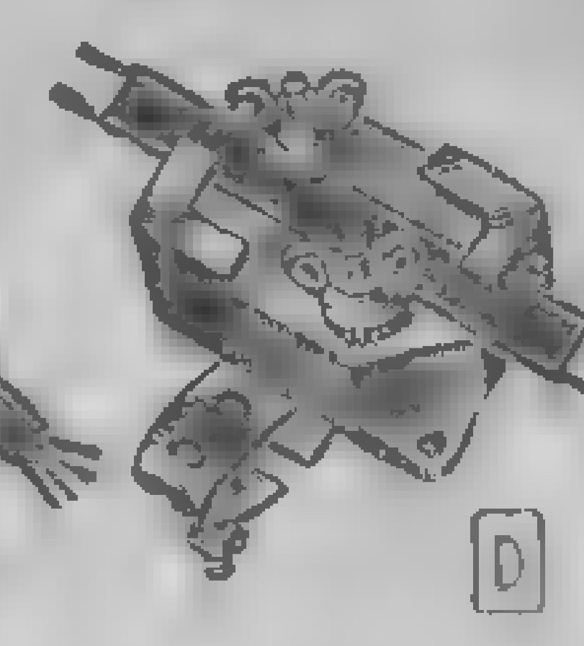
A low-cost, general purpose lightning arrester. Designed for series insertion in single-wire lead-in lines of radio receivers. Ruggedly constructed of high-quality, moisture-proof, glazed porcelain. Has high barrier between terminals for extended leakage path. Sturdy hex-nut terminals assure solid, permanent connections. U. L. Approved. Shpg. wt., 6 oz.

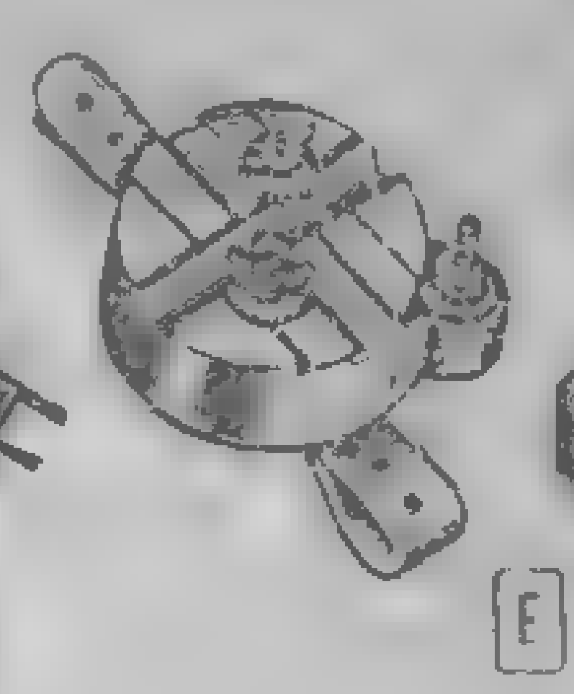
51 C 280. NET... ....25c

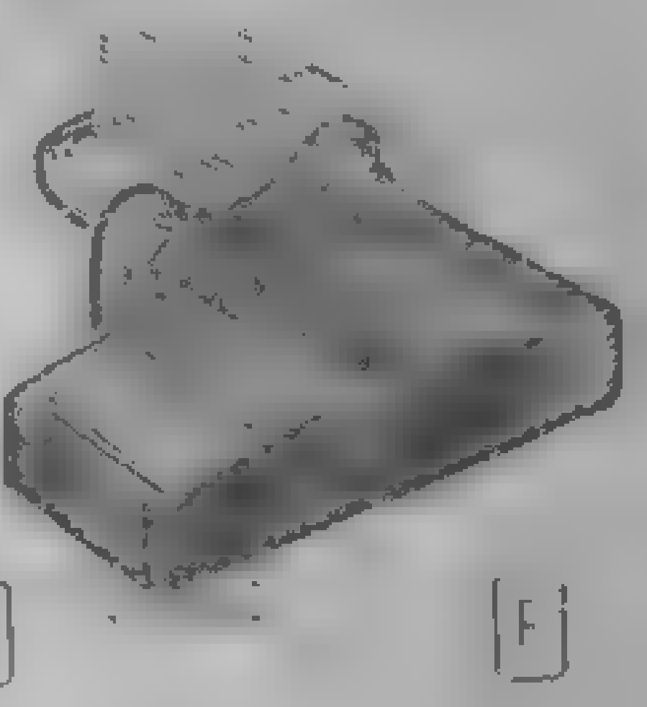
JFD LIGHTNING ARRESTERS AND COUPLERS











A **AT102 Regular Flat-Line Lightning Arrester.** Designed to accommodate all ribbon type twin lead. Has special retaining flange to positively prevent twin-lead from working loose. Water-proof porcelain body. Underwriters' Laboratories Approved. Complete with stainless steel hanger strap, 4-ft. aluminum ground wire and mounting hardware. Shpg. wt., 15 oz.

71 C 479. List, $2.25. **NET**..........1.32

B **AT105S Universal Arrester.** Can be mounted on mast or pipe. Connections are made by saw-toothed screw terminals. For flat, tubular and open wire lead. With hanger strap. U. L. Approved. Shpg. wt., 13 oz.

71 C 530. List, $1.50. **NET**..........88c

C **AT104 Lightning Arrester.** For antenna rotator installations. Handles 4-wire lead-ins. 8 precision-spaced teeth make positive contact with conductors. U. L. Approved. With ground lug. Shpg. wt., 15 oz.

71 C 519. List, $1.50. **NET**..........88c

D **AT110 Lightning Arrester.** For flat or open-type transmission lines. Strain-relief lip for protecting both types of lead-in. Mounts on outside wall or window sill. With ground-lug. U. L. Approved. Shpg. wt., 15 oz.

71 C 531. List, $1.50. **NET**..........88c

E **AT131 Lightning Arrester.** For flat, tubular, oval, or open-wire transmission lines. Saw-tooth washers assure positive contact without cutting or stripping of wire. Constructed of low-loss material for full signal strength. With wood screw and strap. U.L. Approved. Shpg. wt., 10 oz.

71 C 537. List, 75c. **NET**..........44c

F **AC Set Couplers.** An excellent selection of highly efficient TV set couplers. Permit operating 2, 3 or 4 TV sets from the same antenna. Ideal for hotels, apartment buildings and other multiple dwellings. Supplied with U-bolt, to permit convenient mounting on antenna mast, if desired. Input and output impedance, 300 ohms. Shpg. wt., 8 oz.

Stock No.	Type	Description	NET EACH
71 C 661	AC40	2 TV sets to 1 antenna	2.06
71 C 662	AC60	3 TV sets to 1 antenna	2.35
71 C 663	AC70	4 TV sets to 1 antenna	2.85

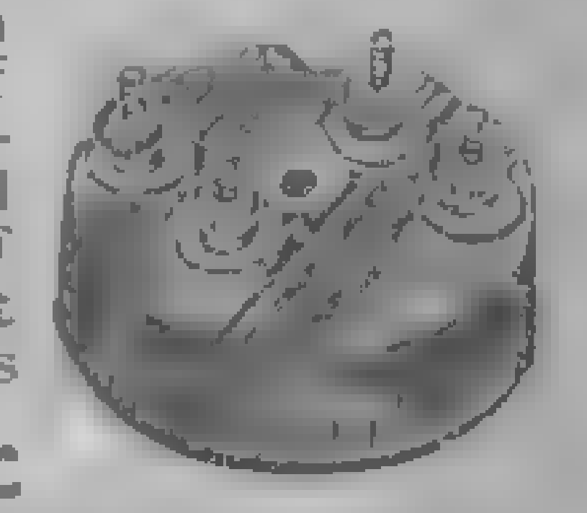
AC Antenna Couplers. (Not illus.) For connecting 2 separate TV antennas to single twin-line. Eliminate need for running separate twin lines through the house. Supplied with hardware. Shpg. wt., ¾ lbs.

AC 10. For coupling 2 antennas; high-band and low-band VHF.

51 C 269. List, $3.50. **NET**..........2.06

AC 20. For coupling 2 antennas. Permits connecting separate UHF and VHF antenna to a single length of twin line.

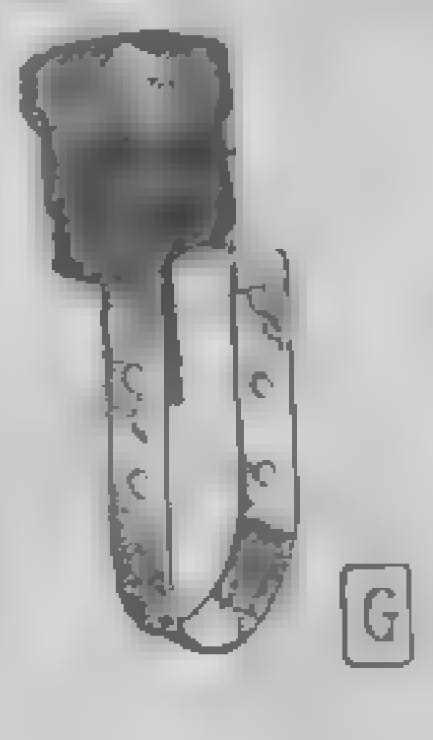
51 C 266. List, $3.75. **NET**..........2.20

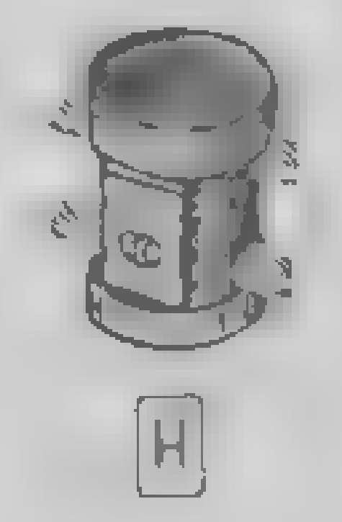


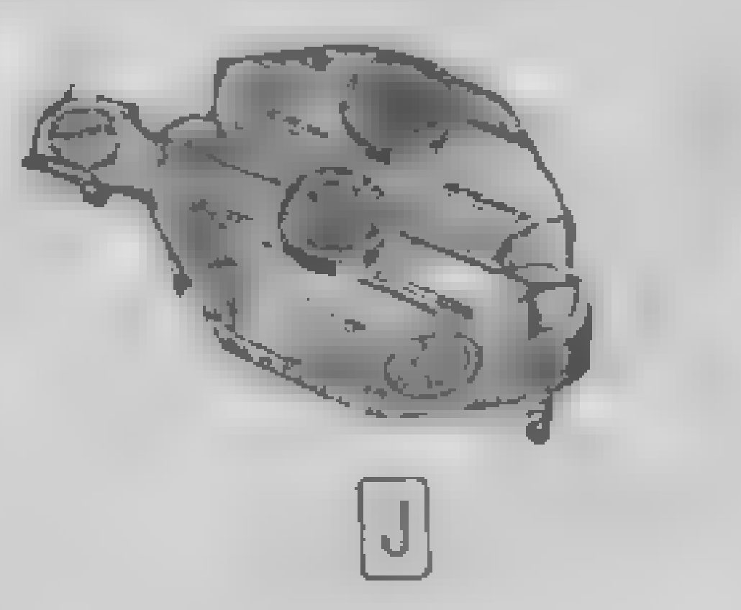
RA-2 Two-Set TV Antenna Coupler. For operation of two TV receivers from same antenna. Delivers full signal strength on all VHF and UHF channels. Maintains constant 300-ohm impedance. Attaches with single screw. 6 oz.

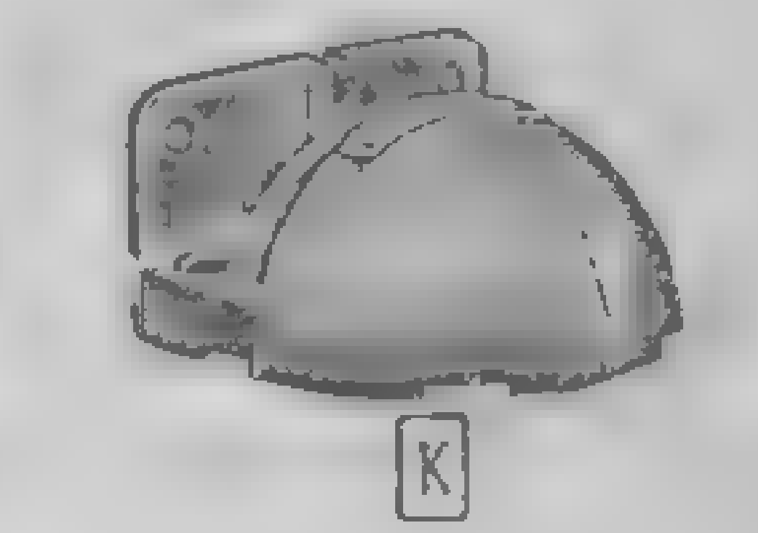
71 C 660. NET.......97c

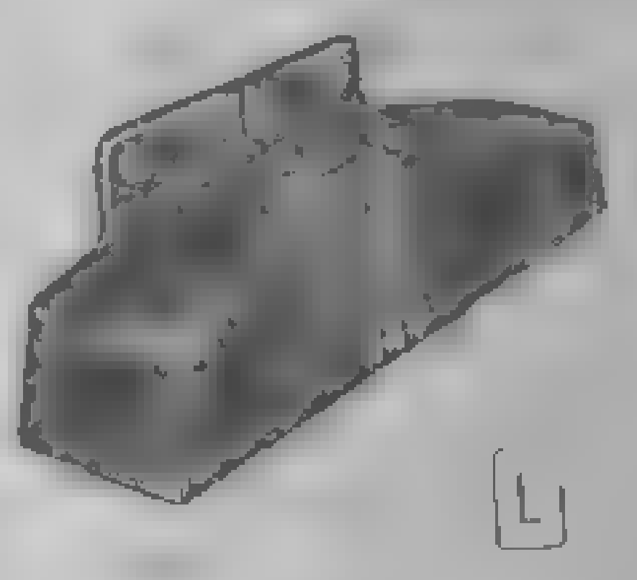
POPULAR LIGHTNING ARRESTERS AND COUPLERS











RCA LIGHTNING ARRESTER AND 2-SET COUPLER

G **Type 235A1 Arrester.** Expertly designed low-loss UHF-VHF lightning arrester—no splicing, stripping, or soldering of antenna line necessary. Screw cap type—forces antenna line against staple contacts which pierce insulation and make positive contact with conductors. Underwriters' Laboratories Approved. Strap type mounting permits quick and easy installations. Can be mounted on mast or water pipe. Shpg. wt., 8 oz.

51 C 229. NET......................82c

H **Type 240A1 Coupler.** Set Coupler. For operating two or more TV sets from one antenna having a 300-ohm transmission line. Save cost of additional antenna for that second set. Utilizes resistance elements only—does not affect impedance characteristics of transmission line. Designed to provide necessary isolation between TV receivers to reduce interference caused by interaction of their oscillators. Easily installed. Shpg. wt., 6 oz.

51 C 246. NET......................1.15

AMPHENOL ARRESTERS & COUPLERS

J **Type 114-328 Arrester.** An efficient universal lightning arrester. For flat, tubular, or open line. No stripping, cutting, or splicing of line necessary. Knife-edge contacts, cut through insulation to make positive contact. Low loss, phenolic body. With screws for mounting. Underwriters' Laboratories Approved. Shpg. wt., 5 oz.

51 C 247. List, $1.50. **NET**..........90c

Type 114-329. As above, with strap mount.

51 C 289. List, $1.75. **NET**..........1.05

K **Color Couplers.** Highly efficient, low-loss couplers for connecting two, three or four TV sets to one antenna. Provide effective isolation of sets and low signal loss through proper impedance matching. Work equally well with either color TV sets or black and white. Excellent also for matching FM radios to a single antenna. Have attractive appearance as well as weather-proofing and durability—suitable for either indoor or outdoor installation. Have built-in strain relief (flanged mount) for antenna lead-in. 2-screw mounting. Wt. ¼ lb.

Type 114-097. 2 sets to 1 antenna.
91 C 841. NET..................1.77

Type 114-098. 3 sets to 1 antenna.
91 C 842. **NET** 2.37

Type 114-099. 4 sets to 1 antenna.
91 C 843. NET..................2.97

L **Tele-Couplers.** Highly efficient low-loss couplers for operating up to four TV sets from one VHF or UHF antenna. Permits using a single transmission line to antenna. Bifilar wound network provides high degree of isolation to prevent interaction between sets. Also offers very low insertion loss to insure full strength signals to all sets. May be installed indoors or outdoors. Wt., ½ lb.

Type 114-088. 2 set Telecoupler.
51 C 272. List, $3.75. **NET**..........2.25

Type 114-090. Up to 4 set coupler.
51 C 274. List, $5.75. **NET**..........3.45

Antenna Couplers. (Not illus., similar to Fig. L). Eliminate antenna switching and separate lead-lines. Permit using single 300-ohm line to separate high and low-band VHF antenna and VHF-UHF antennas. Efficient filters for effective isolation. With mast mounting hardware. Shpg. wt., 1½ lbs.

Model 114-094 "Duonet." Couples separate high and low band VHF antenna or FM and TV antenna for combined operation with a single 300-ohm lead-in.

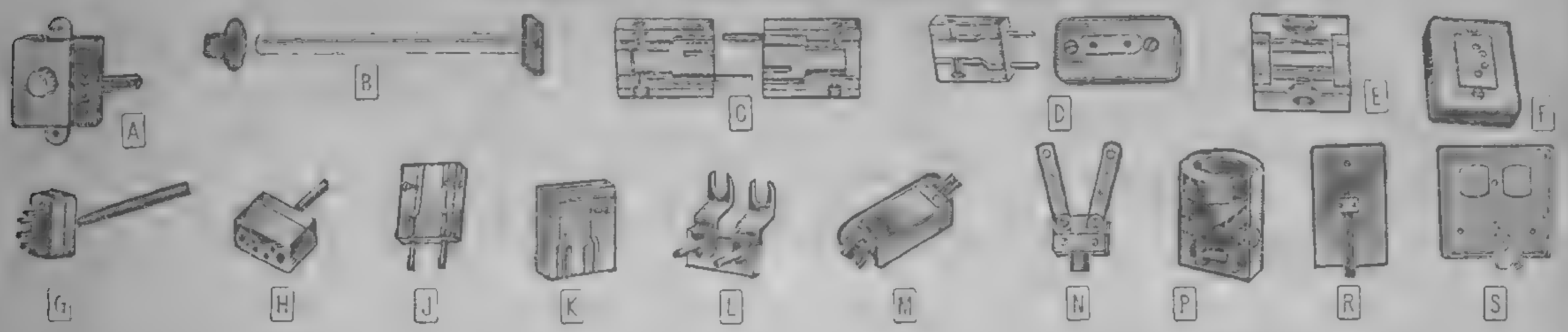
51 C 283. List, $3.75. **NET**..........2.25

Model 114-061 "Isonet." VHF-UHF coupling network. Permits using a single 300-ohm twin line to separate VHF and UHF antennas.

51 C 273. List, $3.75. **NET**..........2.25

Television Accessories

MOSLEY TWIN-LINE ACCESSORIES



A **Type F-40 2-Way Antenna Switch.** Selects either of two antennas. Maintains 300-ohm impedance in both positions. 8 oz.
40 C 425. Brown plastic case.
40 C 426. Ivory plastic case.
NET EACH 1.21

B **Type 625 Wall-Thru Insulator.** For twin line or RG-59/U coax. Fits any wall up to 13" thick. Includes polystyrene tube 14" long, inside plate and outside cap. If desired, universal TV socket, 343-PK (listed below) may be installed on inside plate. Shpg. wt., 1 lb.
40 C 430. Brown plastic ends.
40 C 440. Ivory plastic ends.
NET EACH 1.21

C **Type 321 Polarized Connector.** Efficient twin-line connector consisting of 2 polystyrene plugs, each with one male and one female. Assures proper polarization. 1⅜" long. Shpg. wt., 2 oz.
72 C 711. PER PAIR .... .37c

D **Type 343-PK Transmission Line Sockets with Plug.** Can be mounted on inside plate of Type 625 Wall-Thru insulator, above. With solderless twin line plug and mtg. screws. Shpg. wt., 2 oz.
40 C 413. Brown plastic case.
40 C 412. Ivory plastic case.
NET EACH 66c

E **Type 27-S Flat-Line Polystyrene Splicer.** Strip wires, insert, and tighten set screws for positive electrical contact. Size, ¾x¾x¼". Shpg. wt., 2 oz.
72 C 706. NET EACH 11c

F **Type 354 Solderless Base Sockets.** Precision molded polarized multi-wire connectors for up to 4-wire flat or round cable. Molded polystyrene body, phosphor bronze contact strips. Accepts 2 or 4-wire line plugs listed at right, above. Shpg. wt., 2 oz.
40 C 437. NET 84c

G **Line Plugs.** Solderless. For 2 or 4-wire, flat or round cable. Shpg. wt., 2 oz.

Stock No.	Type	Description	NET
40 C 429	303	For 2-wire cable	19¢
40 C 431	374	For 4-wire cable	46¢

H **Type 364 Line Socket.** For use with up to 4-wire flat or round cables. Accepts Type 303 or 374 line plugs above. Solderless, no individual set screws. With phosphor bronze contact strips. Shpg. wt., 2 oz.
40 C 434. NET 60c

J **Type 301 Plug.** Ideal for connecting TV antenna lead-in to set or booster. Made of polystyrene. ½" pin spacing (fits socket below). Shpg. wt., 2 oz.
72 C 705. NET 19c

K **Type 311 Socket.** For use with twin-line plug above. Standard ½" spacing. Polystyrene insulation. Shpg. wt., 2 oz.
72 C 709. NET 19c

L **Type 304 Mosley Antenna Connector.** For connection of lead-in to TV antenna terminal. Fits Type 311 socket, above. Shpg. wt., 2 oz.
40 C 339. NET 19c

M **Type 902 Dual-Match TV Coupler.** Operates 2 TV sets from 1 antenna. For 300-ohm line. Polystyrene construction minimizes losses. Solderless connections. 3 oz.
40 C 424. NET 1.82

N **Type 263S.** "Y-TY" for connecting all types of transmission lines to TV antenna elements. Solderless, screw connections 4" max. width. Wt., 6 oz.
40 C 443. NET 40c

P **Type 29-S Tubular To Flat-Line Splicer.** For joining tubular or oval 300-ohm lines to standard flat lines. Clear polystyrene. Shpg. wt., 3 oz.
40 C 442. NET 13c

R **Type F-1PK Flush Socket and Wall Plate.** For TV or FM installations using 300-ohm twin-line. Constant impedance low loss socket molded of polystyrene with phosphor-bronze contacts. Fits standard outlet box. Plastic plate. With plug and set of mounting brackets. Shpg. wt., 6 oz.
40 C 419. Brown. **NET**
40 C 418. Ivory. **EACH** 1.21

Type F-11PK Dual Flush Socket and Wall Plate. Similar to above, but for 2 twin-line connections, with plug. Shpg. wt., 6 oz.
40 C 417. Brown. **NET**
40 C 416. Ivory. **EACH** 1.66

Type F-111PK Triple Flush Socket and Wall Plate. Similar to above, but for 3 twin-line connections. With plug. 6 oz.
40 C 427. Brown. **NET**
40 C 428. Ivory. **EACH** 1.66

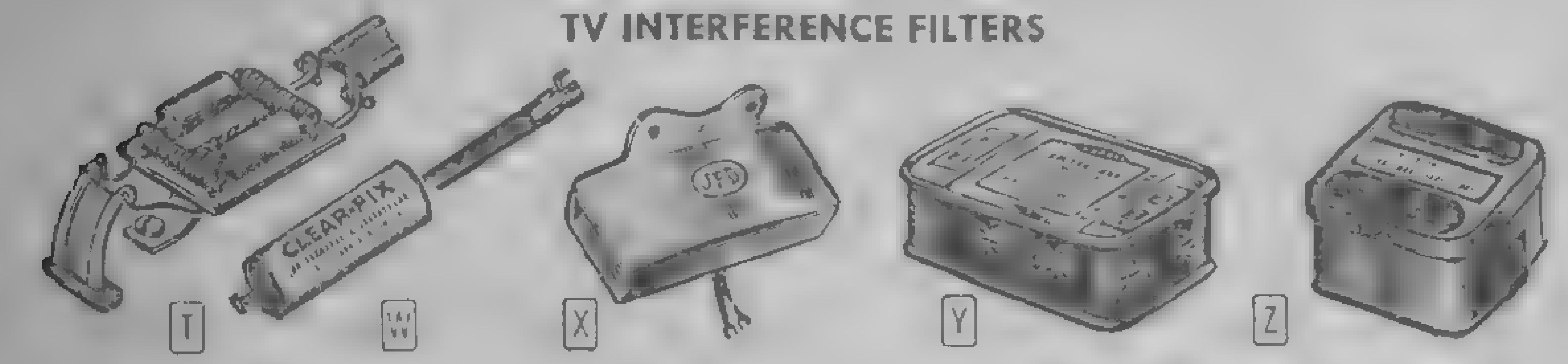
Type F-14PK Combination Flush Socket and Wall Plate. Similar to above, but for 300-ohm twin-line and 4-wire rotator cable. Plastic plate, with plugs. Shpg. wt., 6 oz.
40 C 415. Brown. **NET**
40 C 414. Ivory. **EACH** 2.17

Type F-114PK Combination Flush Socket and Wall Plate. As above, but for 2 twin-lines and 4-wire rotator cable. With plugs. 8 oz.
40 C 448. Brown plastic. **NET**
40 C 449. Ivory plastic. **EACH** 2.17

S **Type AC-1PK AC-TV Wall Plate Socket.** Duplex AC receptacle cover plate with built-in twin line socket. With twin line plug. Ivory finish. Shpg. wt., 2 oz.
40 C 407. NET 1.16

Type AC-14PK Wall Plate Socket. Duplex AC receptacle cover plate with built-in sockets for terminating twin line and 4-wire rotor cables. With twin line and rotor cable plugs. Ivory finish. Shpg. wt., 2 oz.
40 C 408. NET 2.05

TV INTERFERENCE FILTERS



REGENCY HIGH-PASS FILTER

T **Model HP-45.** Attenuates signal frequencies below 55 mc. Provides effective aid in elimination of TVI. Has constant "K" type filter with cut-off frequency of 45 mc in a 300 ohm balanced line. Approximately 20 db attenuation at 29 mc; 40 db or more at frequencies of 14 mc and below. Signals above 55 mc are passed through filter without loss. With mounting bracket. Instructions included. Size, 1⅛x⅞". Shpg. wt., 2 oz.
77 C 569. List, $1.65. **NET** 99c

"CLEAR-PIX" INTERFERENCE FILTERS

W Designed to minimize or eliminate the common types of TV interference. Effectively reduce interference caused by Amateur transmitters in the 21 to 21.45 megacycle band. Also minimize interference from FM, ignition and other high frequency sources. Do not affect signal strength. Quickly installed with only a screwdriver. Mount at antenna terminals behind television receiver—brass lugs attach to same screws that hold antenna connections. For any model TV set using 300-ohm twin lead transmission line. Shpg. wt., 5 oz.

Stock No.	Mfr's Type	Interference Used For	NET EACH
51 C 043	CPH	21 mc amateur	1.17
51 C 046	CPF	Strong FM station	
51 C 045	CPI	Ignition or similar	

JFD INTERFERENCE FILTERS

X **Model WT26.** Reduces cross-channel and other interference caused by diathermy machines, amateur transmitters, TV set oscillators and other signal sources. Simply attaches to the back of any TV set—no brackets or special installation necessary. For channels 2-6. With screws and instructions. Overall size, 5x2¼x2¾". Shpg. wt., 8 oz.
77 C 680. List, $4.50. **NET** 2.65

Model WT713. As above, but for channels 7-13.
77 C 681. List, $4.50. **NET** 2.65

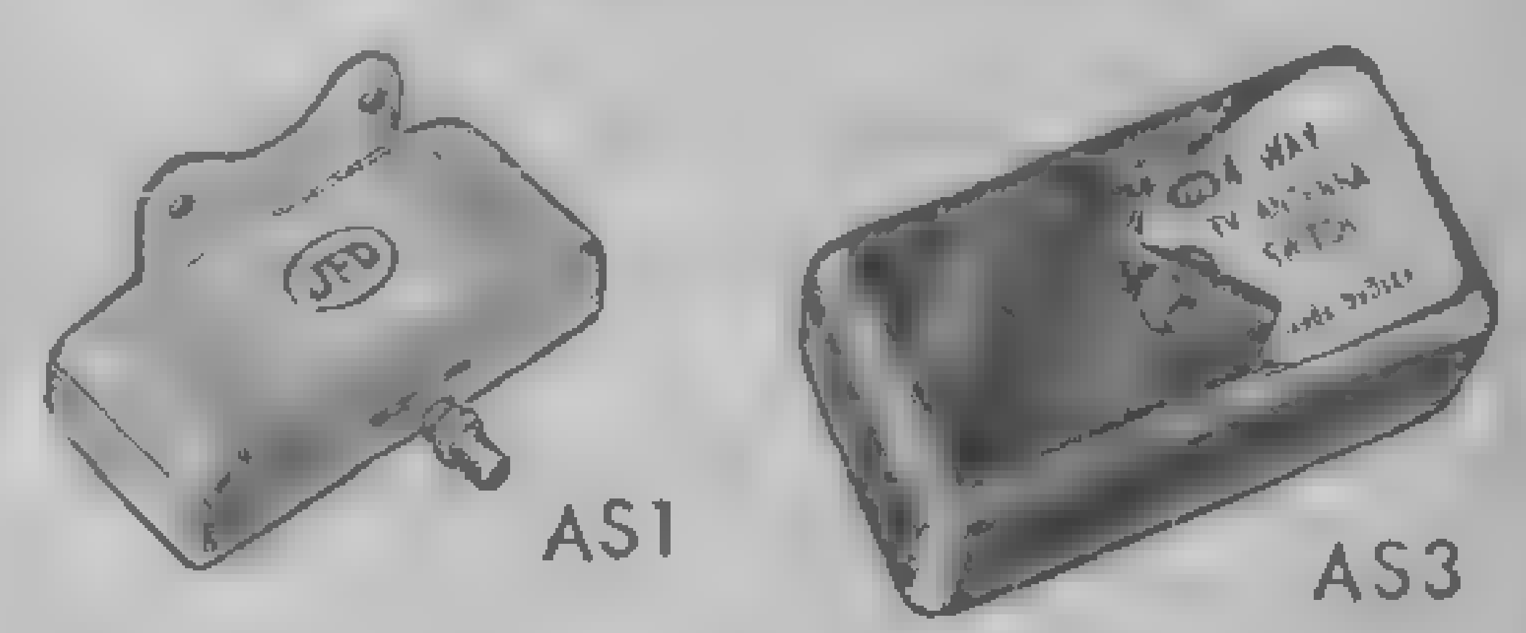
AMPHENOL HIGH-PASS FILTER

Y **Model 114-330.** Excellent high-pass filter for reducing TV interference caused by transmitters, diathermy, ignition, etc. Quickly and easily installed. Provides almost 60 db attenuation of interference below 50 mc. 300 ohms. 1⅝x4¾x3⅛". Shpg. wt., 6 oz.
51 C 279. List, $6.95. **NET** 4.17

R. L. DRAKE TVI FILTER

Z **Model TV-300-HP.** High-pass interference filter for any TV set with 300-ohm antenna input and 20 or 44-mc IF's. Attenuates interference from 0 to 52 mc more than 40 db; highly effective on 6-meter interference. Iron-core, bifilar coils for maximum reduction of parallel current interference. Fully shielded. 2½x2½x1⅛". Shpg. wt., ½ lb.
77 C 567. NET 3.50

JFD ANTENNA SWITCHES



AS1 Antenna Switch. 3-way lever-type antenna switch with low insertion loss. For multi-yagi installations and those areas where separate antennas mounted on a common mast and oriented to individual stations must be used. Size, 2x4⅛x1⅛". Wt., 2 lbs.
71 C 539. List, $3.75. **NET** 2.20

AS3 Multiple Antenna Switch. Permits instant switching of up to 3 antennas. Constant impedance rotary switch with low-resistance silver contacts. Plastic case, screw terminals. Size, 1¾x5x2". Wt., 2 lbs.
71 C 540. List, $4.95. **NET** 2.91

CINCH-JONES WALL PLATE

For terminating TV lead-in and rotator cables in standard wall outlet. Wall plates are chrome-plated. S-302 for antenna lead-in. S-302-4 for lead-in plus 4 rotator wires; S-302-8, for lead-in and 8 rotator wires. Shpg. wt., 7 oz.

WPC Style TV Wall Plates

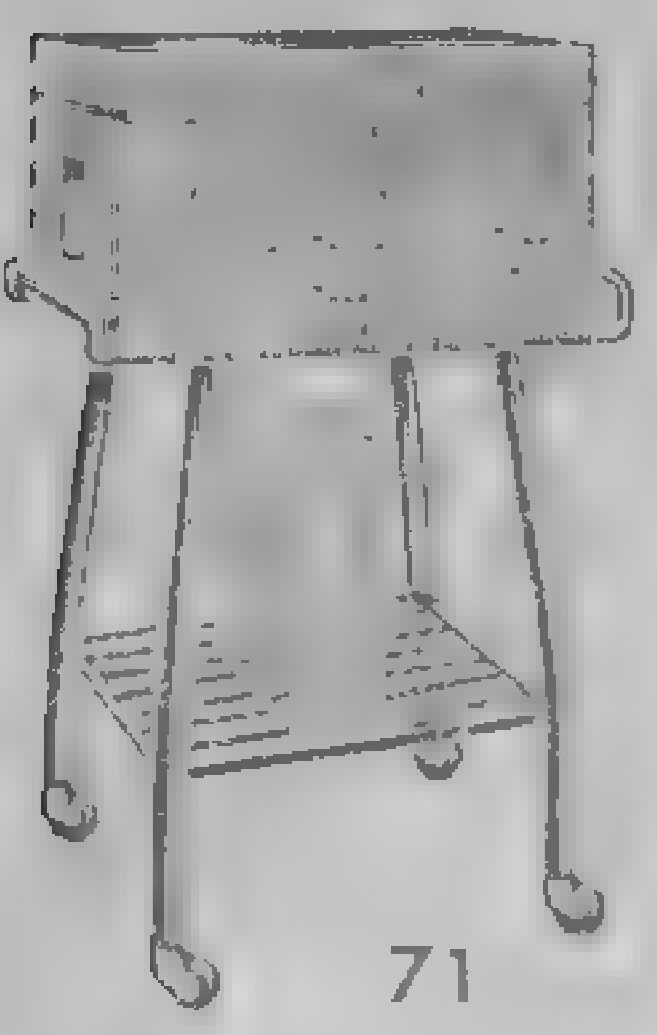
41 C 646. S-302. NET 1.38
41 C 647. S-302-4. NET 1.66
41 C 648. S-302-8. NET 1.79

CCT Style Plugs for Above

40 H 802. P-302. Antenna plug. **NET** .... .456
40 H 804. P-304 4-wire rotor plug **NET** ... .534
40 H 808. P-308 8-wire rotor plug **NET** ... .648

TV Components and Accessories

"COMFORT LINE" TV TABLES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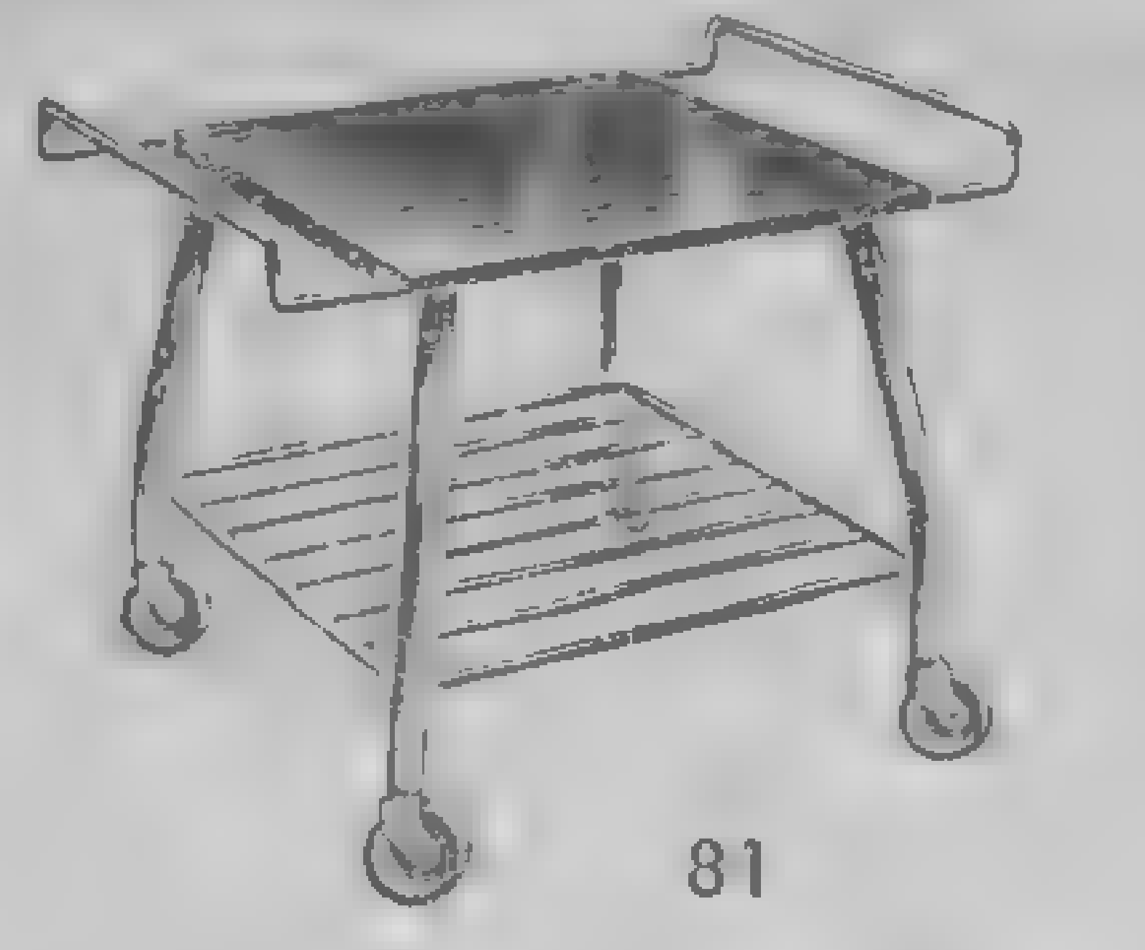
917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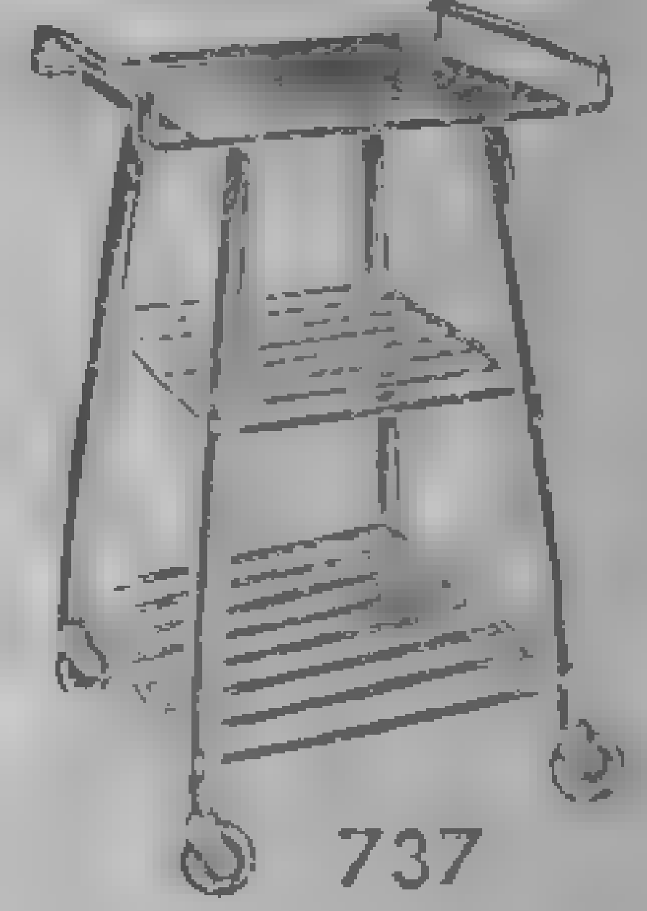

737

Model 71 Phono-TV Table. Table top is 1-piece sheet steel. Holds any size portable or table-model TV set, phonograph, etc, Arms extend from 17½" to 32". Stands 23" high. With 3" casters and convenient utility shelf. Finished in satin black. Shpg. wt., 12 lbs.
99 CX 149. NET . 6.50

Model 77. As above, but brass-plated arms, legs and shelf; matching bronze table top.
99 CX 159. NET 8.47

Slimline Series. Slim and graceful in appearance, these sturdy TV tables are especially designed to hold the new, narrow, "slimline" TV sets. All have table top 23" wide and 10½" deep. Durably finished in black, non-chip enamel and hard shell brass. Extremely stable and tip-proof, these tables can be easily moved about, indoors or out—clear lucite casters swivel smoothly at the touch of a finger. Attractive lower shelf can be used for record or magazine storage. Available in black enamel or brass finish in a choice of 2 different heights.

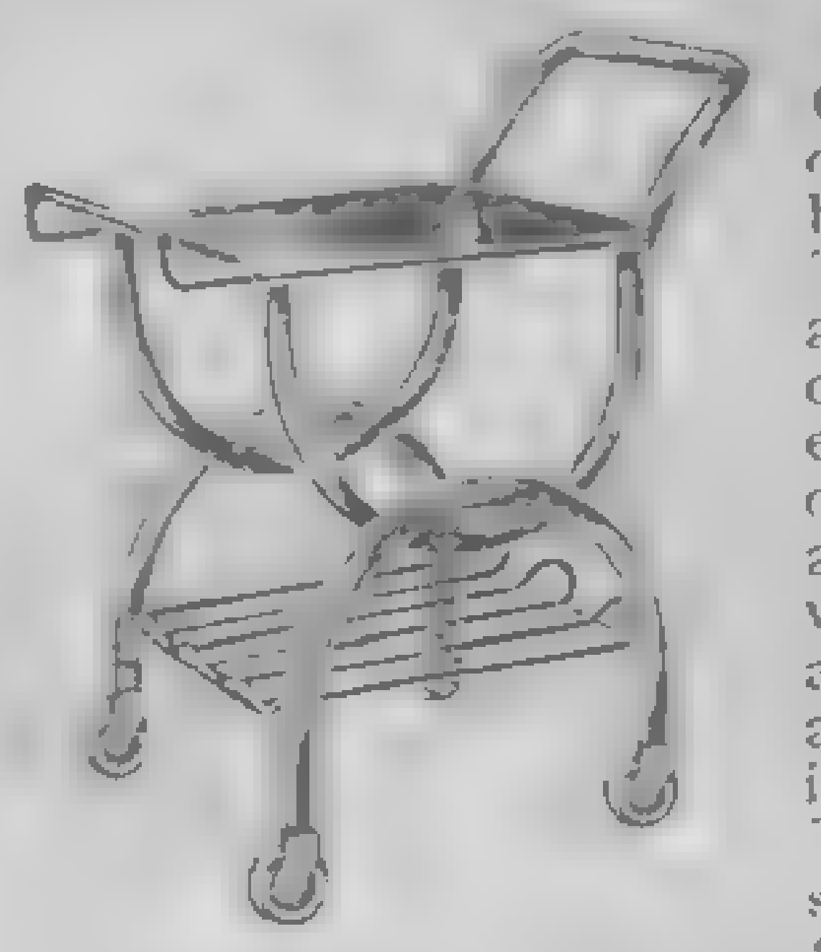
Model 917. In handsome brass finish. 24" high. 3" casters. Shpg. wt., 11 lbs.
78 CX 570. NET 7.81

Model 911. In attractive, black enamel finish. 24" high. 2" casters. Shpg. wt., 11 lbs.
78 CX 571. NET.. . . . . 6.50

Model 927. In handsome brass finish. 30" high. 3" casters. Shpg. wt., 12 lbs.
78 CX 572. NET . 8.47

Model 81 TV Table With Shelf. Handsomely styled, solid-top television table. Fits any table-model TV set—arms extend from 17½" to 32". Stands 18" high; 3" lucite casters. Satin black finish. Has shelf for storing books, records, etc. Shpg. wt., 10 lbs.
99 CX 131. NET 5.85

Model 87. As above, but all-brass finish.
99 CX 132. NET......................7.81



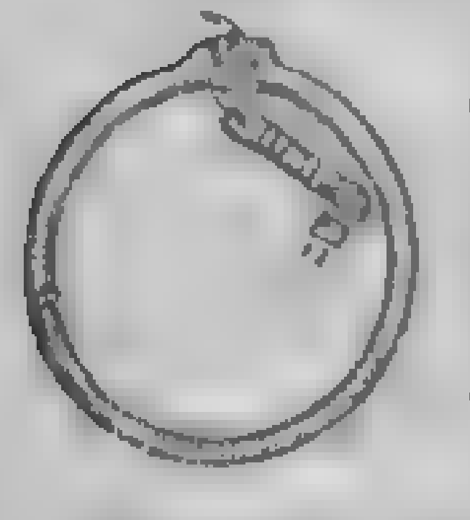
Model 517 TV Table Cart. Beautifully designed, sturdily built, this handsome TV table also doubles as a graceful serving cart! Its smart, modern black and brass decor and its gracious appearance make it a welcome serving aide at the most fashionable of social gatherings. Holds any size TV set—has extension arms which open to 22", close to 17". Also ideal for holding phonographs and hi-fi sets. Cart stands 24" high; has 3" clear lucite casters. Constructed of sturdy tubular steel, heavily brass-plated throughout. Has black oxidized top; convenient wire storage shelf at bottom. Shpg. wt., 13 lbs.
99 CX 449. NET 9.11

Model 537 Portable TV Table. For all portable TV sets. Has sturdy tubular steel frame, heavily brass-plated throughout. Includes convenient wire storage shelf at bottom. Arms extend from 13" to 21". 24" high; has 2" lucite casters. Shpg. wt., 9 lbs.
99 CX 240. NET . 7.15

Model 737 All-Purpose Hi-Fi TV Table. Sturdily constructed "high boy" type table. Has beautiful metallic gold finish throughout. Brass arms extend from 17½" to 32" to fit any TV set. Stands 31" high; has 3" clear casters. Heavy gauge steel frame with 16x16½" steel utility top and 2 convenient wire shelves. Shpg. wt., 15 lbs.
78 CX 573. NET.. . 9.77

Model 567 Heavy-Duty TV Table. Especially designed to hold the bigger, heavier TV sets with 21" and larger screens. Has extension arms which open to 35½", close to 18½". Has heavy tubular steel construction with heavily plated brass finish throughout. Extremely stable and tip-proof. Mounted on 3" clear lucite casters. Includes convenient wire storage shelf at bottom. Shpg. wt., 12½ lbs.
99 CX 439. NET.. . . 9.11

COLOR TV DE-GAUSSING COIL

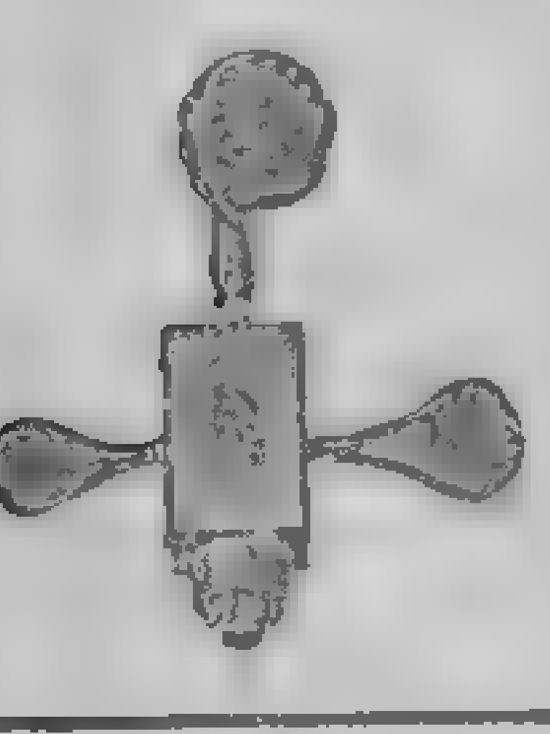


Extremely effective de-gaussing coil designed for color TV aligment. Field neutralizer eliminates stray magnetic fields for accurate purity adjustments. With 9-ft. cord. For 110-120 v. 50-60 cycle AC. 15½ lbs.
71 CX 666. NET 11.95

EBY CRT EXTENSION HARNESS KIT

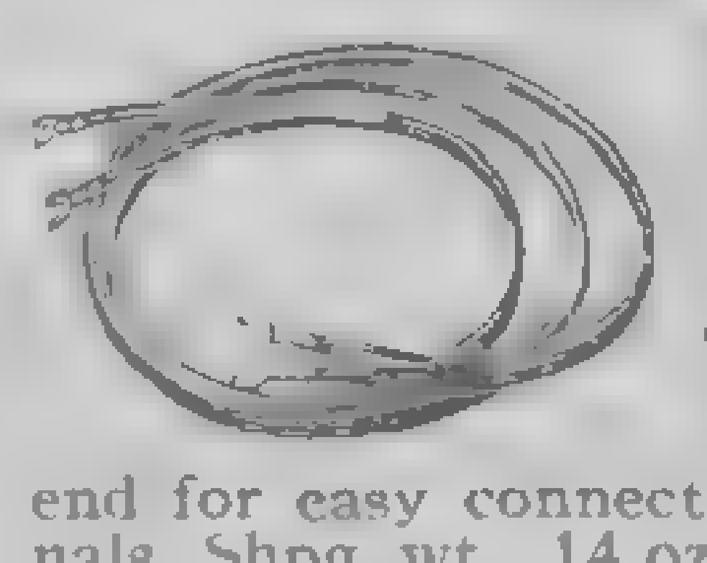
Model K302. Consists of 3-ft. anode extension harness; 4-ft. CRT socket harness for both electrostatic and magnetic tubes; 3-ft. yoke extension harness for sets using octal plug and socket. In rugged, heavy-duty plastic case. Shpg. wt., 10 oz.
41 H 348. List, $5.40. **NET**...........3.18

EBY COLOR & 110° CRT ADAPTER



Model AD-67. Universal CRT adapter. Adapts any commercial CRT checker or rejuvenator for 110° or color TV picture tubes. Individually checks each gun of color tube. Handy, three-position selector switch quickly selects correct color gun. Shpg. wt., 1 lb.
41 H 346. NET....7.79

AMPHENOL MATCHING TRANSFORMER

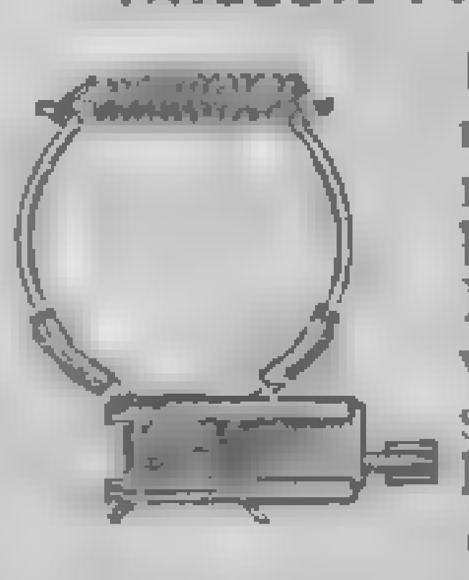


Stub-type transformer for matching 72-ohm and 300-ohm impedances. Matches 72-ohm line to 300-ohm antenna or receiver inputs; also matches 300-ohm line to 72-ohm inputs. Spade lugs on each end for easy connection to screw-type terminals. Shpg. wt., 14 oz.
51 C 292. NET.......... . . ..72c

MILLER ANTENNA TRANSFORMERS

Permits use of low-loss 52 or 72-ohm coaxial cable on 300-ohm receiver inputs. 2 required: one at antenna, and one at receiver. May be used outdoors. Size, 1⅜x¾x¾". Shpg. wt., 2 oz.
77 G 516. Type 6161. 52 ohms.
77 G 517. Type 6162. 72 ohms.
NET EACH..................1.76

MILLER ADJUSTABLE ION TRAP



Model 6295. Universal single-magnet ion trap. Screw adjustment allows magnetic field to be varied between 32-55 gausses. Replaces any single-magnet trap within this gauss range. Extension spring permits easy installation. Shpg. wt., 6 oz.
60 H 796. NET. 88c

G-C TUBE-SAVER—TRIPLES TUBE LIFE

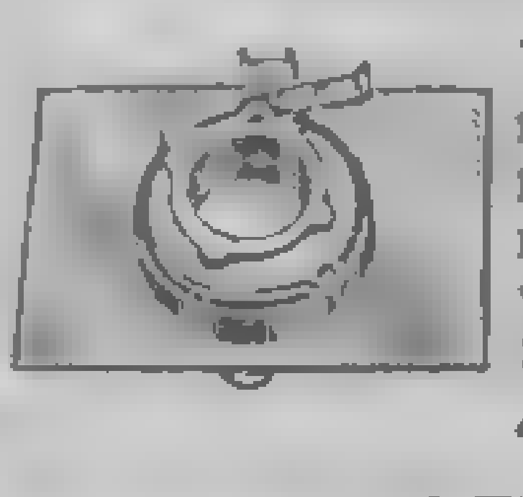
Model 5303. A highly effective device for extending the tube life of television sets, high-fidelity music systems, radios and other electronic equipment. Completely safe, the tube-saver plugs in quickly and easily to provide constant protection of tubes against sudden surges of voltage—actually triples tube life for year-round savings. Features "Thermal cushioning" action to prevent damage to tubes when set is turned on—minimizes servicing and replacement costs. Tube-saver plugs into wall outlet; set plugs into tube-saver. 2¾x2½x1¼". For 100-275 watt sets. For operation from 110-120 volts, 50-60 cycle AC-DC. Shpg. wt., 7 oz.
80 G 146. List $4.95. **NET** 2.91

Model 5304. For color TV sets; 250-400 watts. Shpg. wt. 12 oz.
80 G 149. List $5.95. **NET** 3.50

VIDAIRE "KINE TEST"

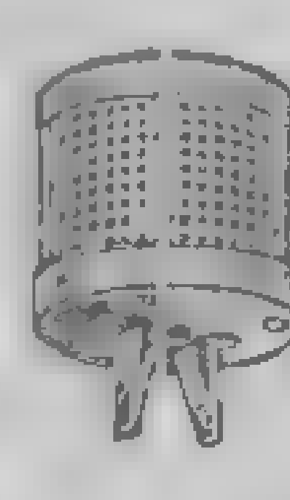
Tester for checking electro-magnetic picture tubes by substitution method. No need to remove picture tube or chassis from cabinet. Just plug tester into picture tube socket. Electron-ray tube dynamically checks filament, bias, and 1st anode voltages, video signal, etc. Compact —easily fits in tool chest. Complete with instructions. Size, 4⅛x1½". Shpg. wt., 6 oz.
84 C 017. List, $4.90. **NET** . . 2.88

QUAM FOCALIZER UNIT



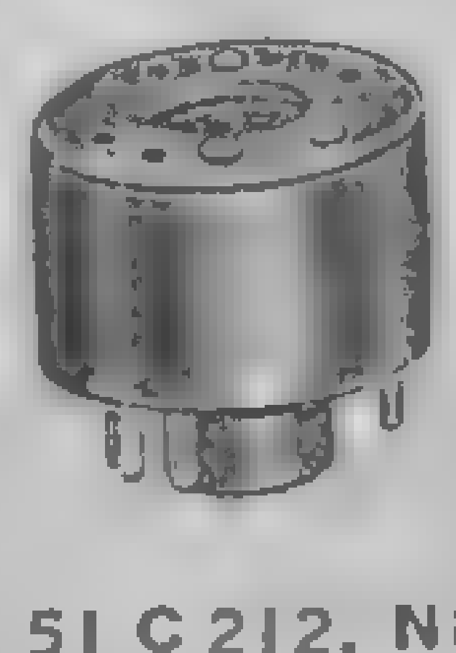
Type QF-4. For quick, accurate focusing and centering of raster. Fits all picture tubes regardless of size or anode voltage. Size, 1¾x3¼x5½". Shpg. wt., 1 lb.
41 H 133. NET.. 3.09

CLAROSTAT REGULATORS



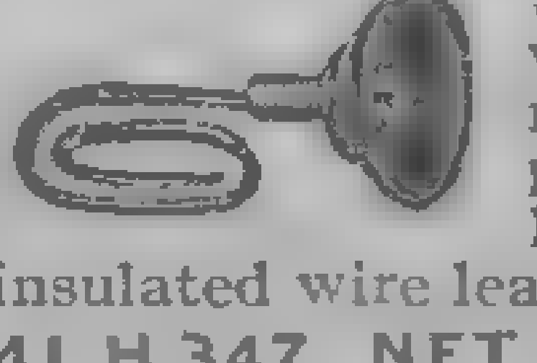
Type TVA. Protects TV sets from line voltage surges. Reduces surge of 140 v., down to 110 v. Plug-in type. For sets using 200-300 watts. Shpg. wt., 5 oz.
31 E 085. NET 2.06

PERMA-POWER HORIZONTAL BAR GENERATOR



Type B101. Provides series of horizontal lines for accurate checking of picture linearity. Also used for setting of deflection yoke and focus coil or magnet. Plugs into all duo-decal-type picture tube sockets. With instructions. Size: 1½x1½". Shpg. wt., 5 oz.
51 C 212. NET 1.72

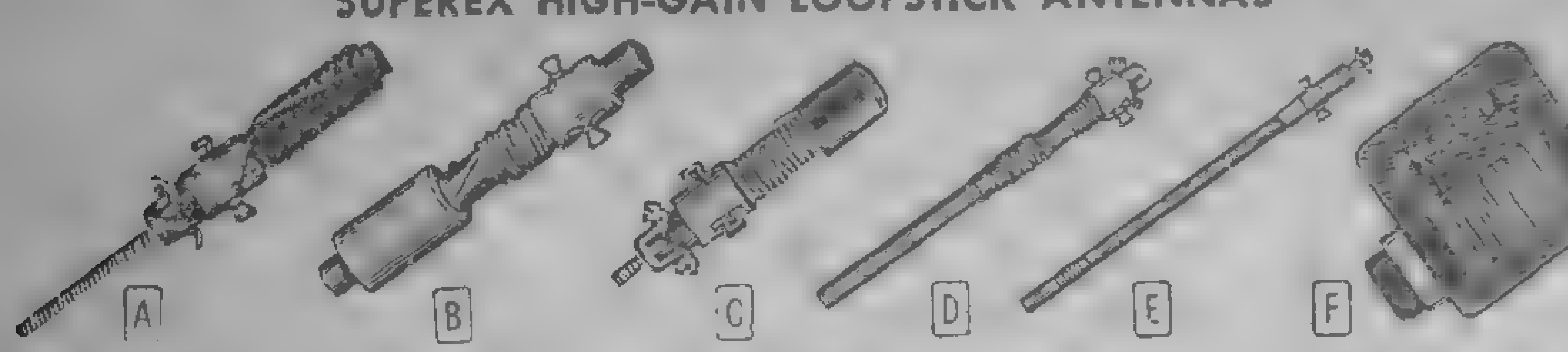
CRT HI-VOLTAGE CONNECTOR



Second-anode connector. Silver plated, snap-button plug; makes perfect contact with picture tube. Insulated by 1½" diameter rubber cap; 18" insulated wire lead. Shpg. wt., 4 oz.
41 H 347. NET.......................29c

AM Antennas, Antenna Kits, TV Tuner

SUPEREX HIGH-GAIN LOOPSTICK ANTENNAS



A complete selection of low-cost, high-efficiency, ferrite-core antennas. Ideal for replacing old-fashioned loop antennas. Feature extremely high gain, stable performance and uniform response. Will greatly improve signal to noise ratio. Reception is equally sensitive from all directions. Easily mounted. Tune 540 to 1600 kc (AM broadcast band) with 365 or 410 mmf tuning capacitor.

A **VLT-240 Transistor Vari-Loopstick.** Has impedance tap; convenient micrometer adjustment. Easily adjusted for peak efficiency. Simplified, one-hole snap-in mounting. For use with 365 mmf or 410 mmf variable tuning capacitor. Size, 7/16x2". Shpg. wt., 4 oz.
51 C 029. NET........................73c

B **Ferri-Loopstick.** Excellent, low-cost, replacement antenna for AM broadcast receivers. Needs no orientation. Has "Q" of 240-275 for clear, powerful reception. Supplied with clamp for convenient single-hole snap-in mounting. Size, 7/16x2" long. Shpg. wt., 4 oz.
51 C 036. NET 44c

C **Vari-Loopstick.** For AM broadcast receivers, including the smallest portables. Has "Q" of 250. Adjustable ferrite core permits peaking for any portion of tuning range. Single-pole snap-in mounting. Size, 7/16x2¼". Shpg. wt., 4 oz.
51 C 034. NET 59c

C **Vari-Tenna.** For use with older radio sets equipped with built-in antenna. Features high sensitivity and excellent signal-to-noise ratio. Boosts gain up to 25 times. Single-hole mounting. ½x2½". Wt., 4 oz.
51 C 032. NET........................73c

D **"Energized" Ferri-Loopstick.** This 5" loopstick has a "Q" of up to 350. Extremely high gain brings in weak, distant stations. Adjustable coil with self-locking vinyl collar permits peaking antenna for optimum results. Convenient single-hole mounting. Size, ⅜x5". Shpg. wt., 6 oz.
51 C 038. NET.................... ..88c

E **7" Loopstick.** Same as "energized" loopstick described above, but has 7" length for even greater sensitivity. Has "Q" of up to 425. Shpg. wt., 6 oz.
51 C 039. NET 1.32

F **High "Q" Transistor Loopsticks.** Ideal universal replacement for most transistor sets. Feature extremely high "Q" core. Have movable turns and multiple impedance taps; provide complete adjustability for maximum gain. Flat design provides excellent pick-up All tune 540 to 1600 kc with standard 365 or 410 mmf tuning capacitor. *Direct replacement in many Japanese radios.

No.	Type	μH	Size	Wt.	EACH
51 C 025	2FT-240	200-265	2¾"	2 oz.	1.62
51 C 033	2FT-397*	360-425	2¼"	2 oz.	1.36
51 C 026	3FT-240	200-265	3⅜"	2 oz.	1.62
51 C 027	5FT-240	175-260	5¼"	3 oz.	1.62
51 C 028	7FT-240	170-265	7"	4 oz.	1.76

REPLACEMENT ANTENNA LOOP

Wound on rigid fiberboard form. Has lug terminals. Replaces antenna coil in battery and midget sets or portables. Turns may be removed to match loop being replaced. Overall size, 6x8¼". Shpg. wt., 8 oz.
51 C 040. 1 to 9, NET EACH.........53c
10 or more, EACH.........................48¢

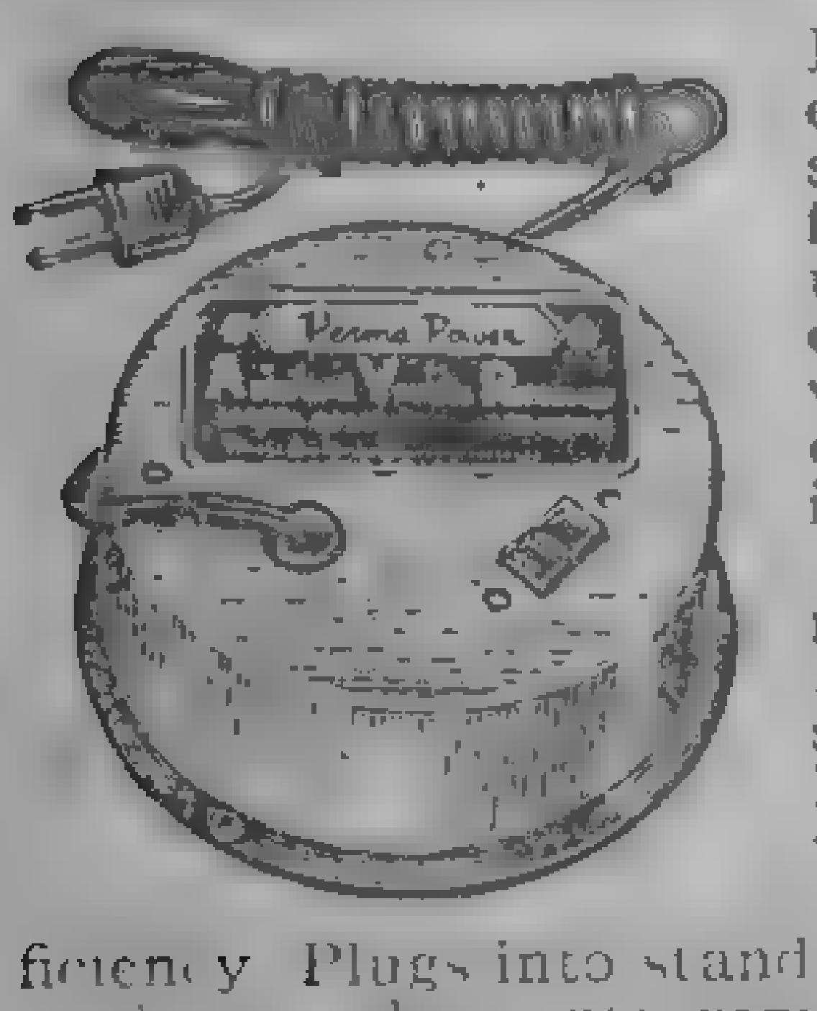
MINIATURE ANTENNA LOOP

For use where space is limited. Covers standard broadcast band with midget variable capacitors. 9x38 Litz wire for low loss. 214 microhenries; high "Q" of over 230. Two 4" leads. Overall size, 3⅛x5¼". Shpg. wt., 8 oz.
51 C 035. 1 to 9, NET EACH.........40c
10 or more, EACH .... 36¢

WINDOW LEAD-IN

Made of soft drawn flexible copper, covered with heavy black cotton braid. Thoroughly weatherproofed with multiple coats of Duco lacquer. For use with broadcast band and short wave antennas having single-wire lead-in. Fits under window. Has Fahnestock clip on each end. 12" long by ½" wide. 2 oz.
51 C 050. NET........................19c

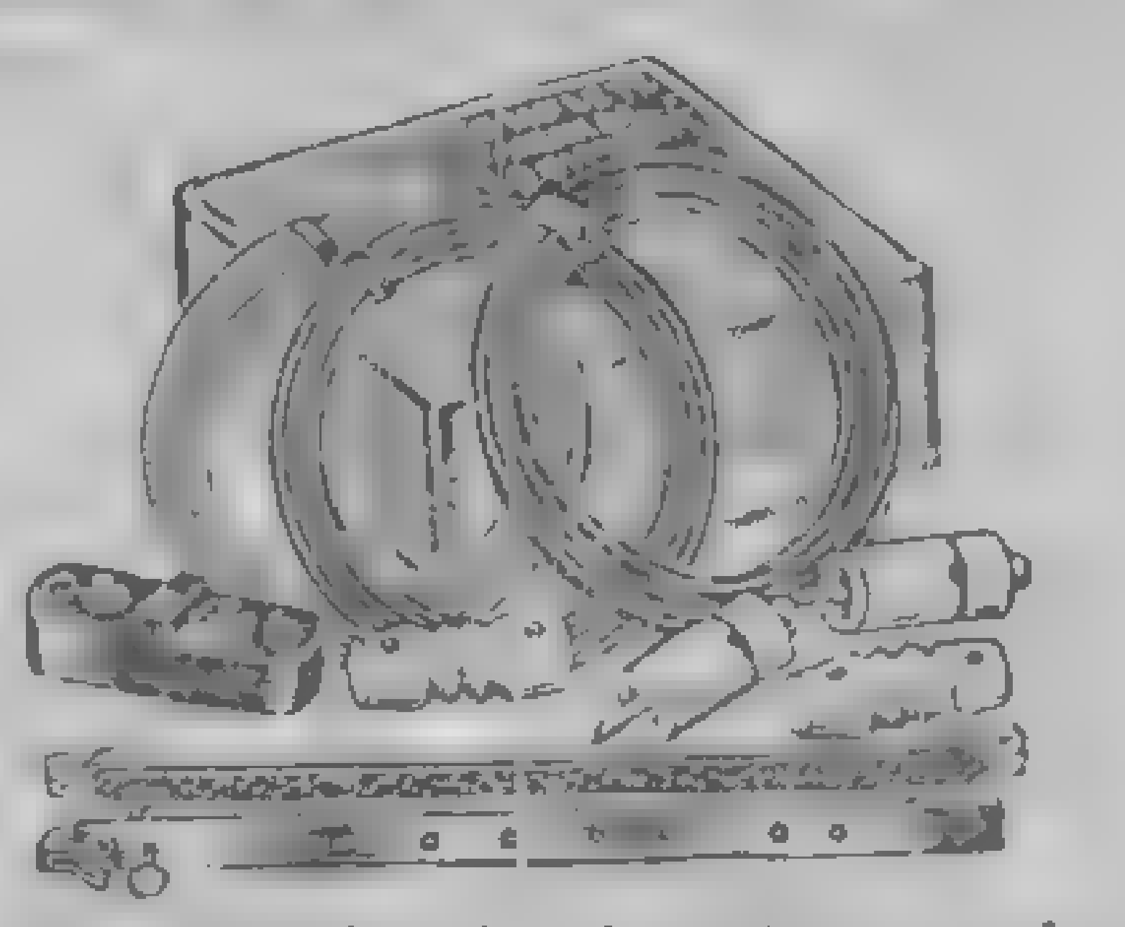
PERMA-POWER MODEL D-200 AUTOMATIC VOLTAGE REGULATOR



Maintains normal operating voltage on TV sets, hi-fi systems, fans, power tools, etc., used on overloaded circuits or in areas with low line voltage conditions. Automatically boosts voltage 10 volts whenever line goes below 110 volts. Eliminates picture shrinking, flutter, and loss of brightness due to low line voltage. Improves circuit efficiency Plugs into standard AC outlet, set or appliance plugs into regulator Unit turns on and off with set. For devices rated up to 300 watts. 4¾x4¾x2¼". Shpg wt., 2½ lbs.
82 G 243. NET. 5.85

Model D101 Line Voltage Regulator. As above, but has 3-pos. selector switch for boosting or lowering voltage. 10 volts. Plugs into AC outlet; appliance plugs into regulator. 2¼ lbs.
80 G 186. NET........................4.09

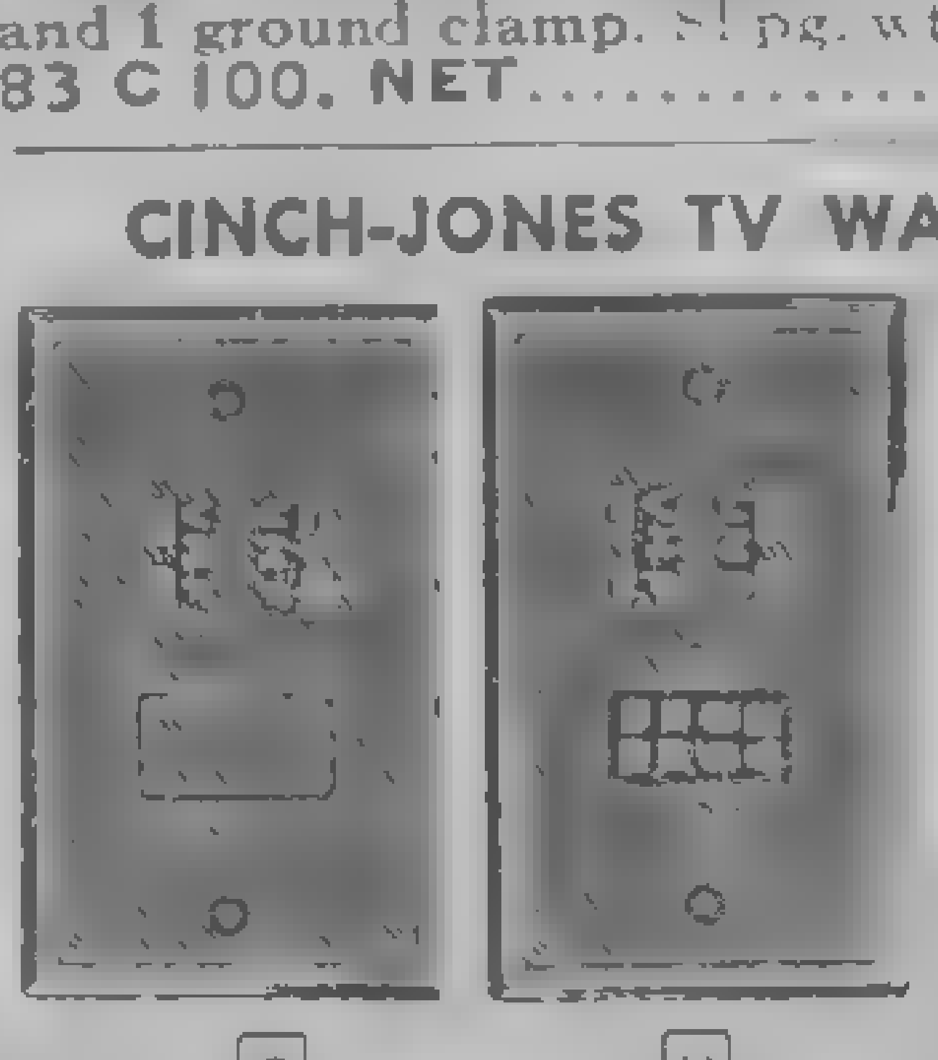
DELUXE BC-SW ANTENNA KIT



Handy antenna kit for broadcast and short wave reception. Increases "pulling power" of any set. Includes 100 ft., 7x26 bare copper antenna wire; 40 ft. rubber covered lead-in; 25 ft. rubber covered ground wire; 2 porcelain insulators; 1 window lead-in; 1 lightning arrester; 2 porcelain nail knobs; 1 ground clamp and full instructions. Shpg. wt., 2½ lbs.
83 C 101. NET........................2.04

Standard BC-SW Antenna Kit. 50 ft., 7x26 bare copper wire, 25 ft. lead-in, 2 antenna insulators; 2 nail knob insulators, 1 window lead-in and 1 ground clamp. Shpg. wt., 1½ lbs.
83 C 100. NET........................1.03

CINCH-JONES TV WALL PLATES



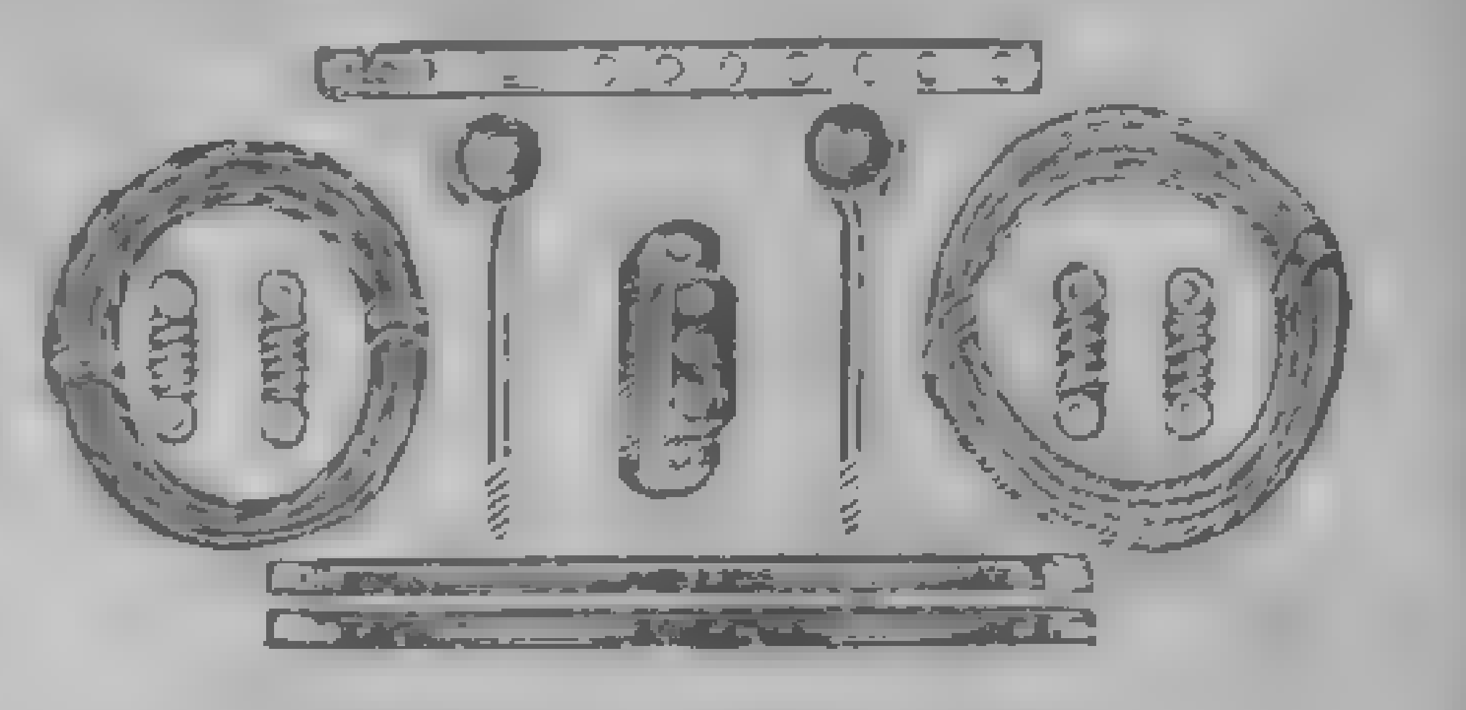
Low-loss wall outlets for UHF and VHF TV antenna twin lead-ins. WPI-8 and WPB-8 also have 8-wire rotor outlets. WPI and WPB have knock-out panel for inserting Cinch-Jones S-308-AB socket if rotor is added later. Fit standard outlet box—or attach to wall. With mtg. screws. Less plugs, below. Shpg. wt., 7 oz.

Stock No.	Fig.	Type	Color	NET
40 C 826	G	WPI	Ivory	.93
40 C 827	G	WPB	Brown	.93
40 C 828	H	WPI-8	Ivory	1.50
40 C 829	H	WPB-8	Brown	1.50

40 C 831. Type TVP-2 Two-Prong Plug. For all plates above. Shpg. wt., 2 oz. **NET. 21¢**

40 H 874. Type P-308-AB Rotor Plug. For WPI-8 and WPB-8. Shpg. wt., 3 oz. **NET. 38¢**

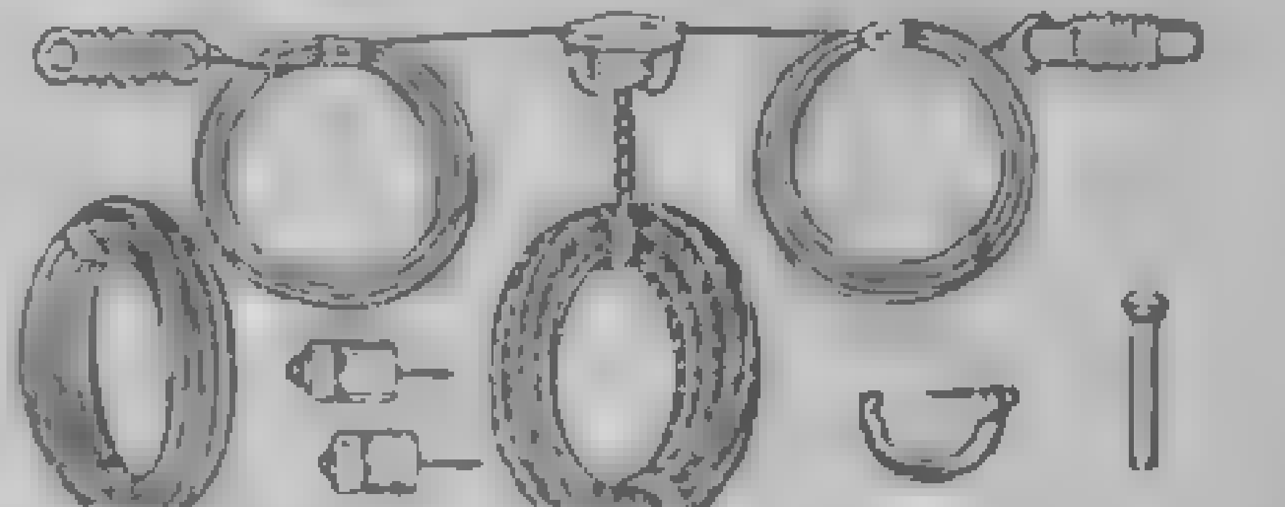
CONSOLIDATED ANTENNAS



MODEL 615 LONG WAVE, SHORT WAVE & BC ANTENNA KIT

An excellent antenna kit for short-wave reception. Will also perform well on the long-wave and broadcast bands. Contains all wire and parts for any one of the following antennas: balanced doublet; double doublet; or inverted-L. Includes: 100 ft. of bare antenna wire; 50 ft. of insulated transmission line; 4 insulators; 2 bakelite screw eyes; doublet lightning arrester; lead-in strip; and ground clamp. With instructions. Shpg. wt., 3¼ lbs.
51 C 263. NET........................4.26

MODEL 635 DOUBLET ANTENNA



A highly efficient doublet antenna. Provides excellent short-wave, long-wave, and broadcast band reception. Doublet sections are tuned to provide uniform response throughout the 16-49 meter short-wave band. Kit contains: 2—30 ft. coils of 7/24 bare copper wire; 50 ft. of twisted and braided transmission wire; 10 ft. of ground wire; 3—3" glass insulators; ground clamp; porcelain lead-in tube; 2 porcelain nail-knobs; and easy-to-follow installation instructions. Shpg. wt., 3¼ lbs.
51 C 264. NET............ ....3.72

COPPERWELD ANTENNA WIRE

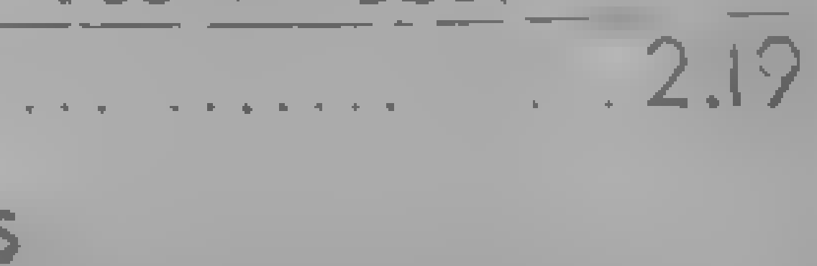
High-quality, copperweld antenna wire. Features copper outer conductor and steel core. May also be used for guying antenna towers and masts.

Stock No.	Gauge	Feet	Wt., Lbs.	EACH
49 T 133	12	100	2	2.69
49 T 134	12	250	5	6.30
49 T 140	14	100	1½	2.37
49 T 141	14	250	3	5.12
58 T 318	18	250	2	1.47
58 T 317	18	500	3	2.94
58 T 315	18	3000	18	14.48

NEW STANDARD COIL TUNER

Model GG-2220 "Guided Grid" Neutrode Replacement Tuner. Replaces tuners with 6.3 volt, parallel connected heaters and 21-mc cascode tuners. Features neutralized-triode circuit to provide substantial improvements in gain, signal-to-noise ratio, and general performance. Uses new 6ER5 RF amplifier and 6CG8A oscillator-mixer. Printed circuit board. Has improved filter circuits and shielding; greatly reduced oscillator drift and radiation. IF frequency is preadjusted at factory to 21.25 mc sound and 25.75 mc video; can be adjusted over a wide range to suit specific installation requirements. Requires 125-145 v. DC plus heater voltage. Includes set of mounting brackets to adapt to standard mtg. centers. Shpg. wt., 3 lbs.
60 G 229. NET........................21.07

TYPE 31M-213 TV TUNER STRIPS



Replace original Standard Coil strips. Set includes antenna and oscillator strip for VHF (channels 2-13 only). *Specify channel number required and tuner series letter stamped on original strips* 4 oz

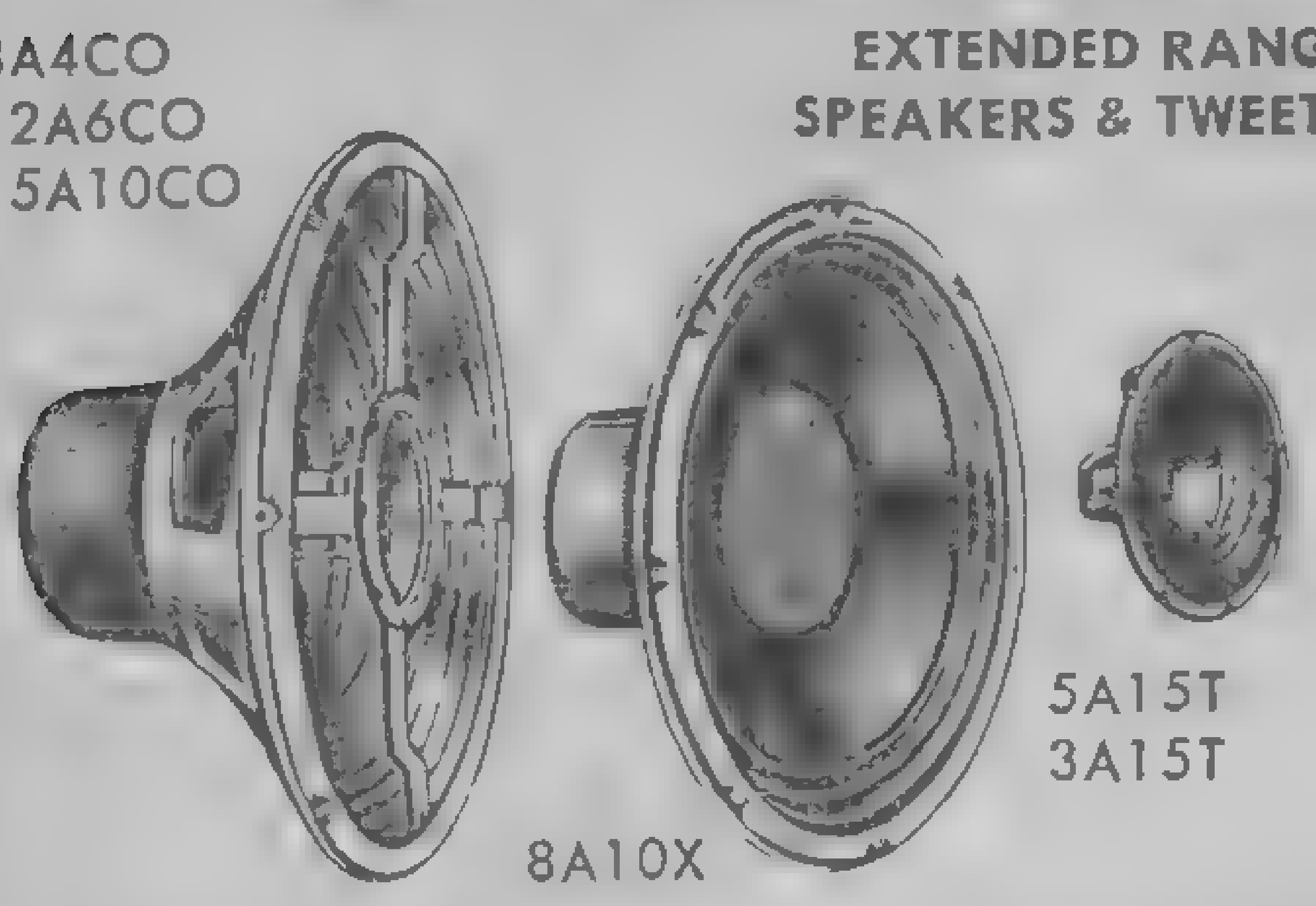
Stock No.	For Series	Stock No.	For Series
60 GG 322	F	60 GG 325	Q
60 GG 323	H	60 GG 326	R
60 GG 324	K	60 GG 328	U

NET EACH 2.19

Quam and Jensen Speakers

FAMOUS QUAM SPEAKERS FOR REPLACEMENT AND NEW EQUIPMENT USE

EXTENDED RANGE SPEAKERS & TWEETERS



Economy Models for Home Hi-Fi Systems

MODEL 8A10X 8″ SPEAKER. Extended-range speaker, ideal for remote speaker in home music systems. Frequency response is ±5 db, 50-12,000 cps. Power capacity, 10 watts. 1″ voice coil diameter. 10-oz. Alnico V magnet. Impedance, 8 ohms. Wt., 3¼ lbs.
81 P 343. NET 11.76

MODEL 3A15T 3½″ TWEETER. Response, 2000-12,000 cps, ±6 db. Impedance, 14 ohms. 1.47-oz. Alnico V magnet. Power capacity, 10 watts. Frame is 3½″ square; depth 2 1/16″. Shpg. wt., ¾ lbs.
81 P 341. NET.......................................3.38

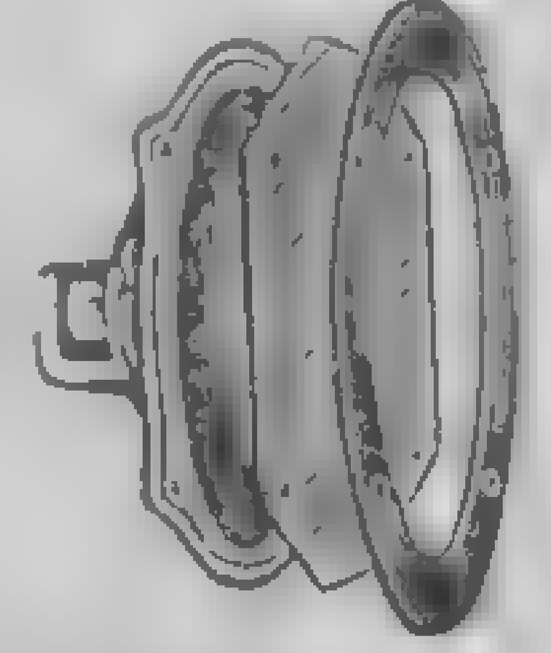
MODEL 5A15T 5″ TWEETER. Used in Model 15A10CO speaker (listed below). Frequency response, 2000-12,000 cps, ±6 db. Voice coil impedance, 14 ohms. 10 watts power handling capacity. 1.47-oz. Alnico V magnet. 2 5/16″ deep; 4 11/16″ mtg. ctrs. Wt., 1 lb.
81 P 342. NET.......................................3.82

MODEL 8A4CO 8″ COAXIAL SPEAKER. 8″ cone has 4.64-oz. magnet. 2½″ tweeter with .65-oz. magnet. Rated at 10 watts. Range: 50-15,000 cycles, ±5 db. Impedance, 8 ohms. Wt., 2¾ lbs.
81 P 038. NET.. . . . . .13.49

MODEL 12A6CO 12″ COAXIAL SPEAKER. 12″ woofer has 6.8-oz. magnet. 3½″ tweeter with 1.47-oz. magnet. Power capacity, 14 watts. Response, 50 to 15,000 cps, ±5 db. Imp., 8 ohms. 6½ lbs.
81 PX 318. *Only $2 Down.* NET 20.29

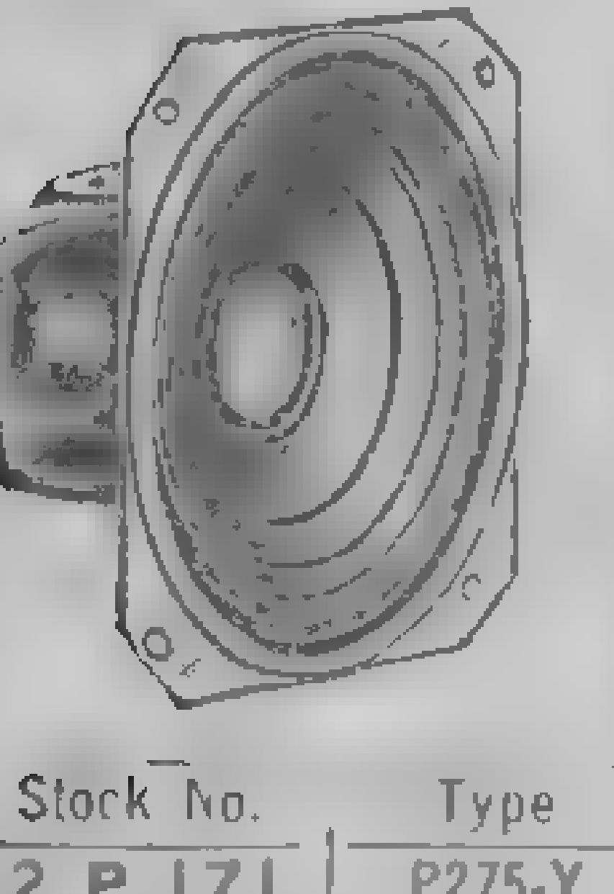
MODEL 15A10CO 15″ COAXIAL SPEAKER. 15″ woofer has 10-oz. magnet; 5″ tweeter with 1.47-oz. magnet. Power capacity, 20 watts. Response, 25-15,000 cps, ±5 db. Imp., 8 ohms. Wt., 9 lbs.
81 PX 319. *Only $2 Down.* NET.......................30.87

REAR-DECK AUTO-RADIO SPEAKER KIT



MODEL AS-2. Deluxe kit with heavy-duty 6x9″ "Adjust-A-Cone" speaker. Has 2.15-oz. Alnico V magnet and 1″ voice coil. Provides exceptionally fine tonal quality. Kit is supplied complete with fader control, 18 feet of cable, flocked screen grille, baffle plate, sponge rubber gasket, mounting hardware and instructions. Shpg. wt., 3½ lbs.
81 P 390. NET 8.20

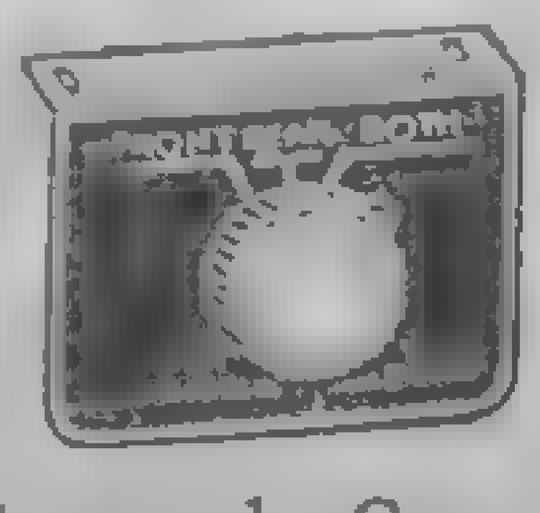
JENSEN "CONCERT SERIES" SPEAKERS



Jensen's highly popular "Concert Series" PM speakers. DP-Alnico V magnets for exceptionally high efficiency and distinct reproduction. Cones are selected for maximum frequency response characteristics. Rigid frame maintains proper alignment of voice coil and magnet structure. All speakers listed below have 3.2-ohm voice coil impedance, except Type P275-Y which is 16 ohms (for transistor radios). All except P275-Y and P4-W have bracket for mounting matching transformer.

Stock No.	Type	Size	Shape	Magnet	Watts	Lbs.	NET
82 P 171	P275-Y	2¾″	Round	0.65 oz.	0.15	¼	2.79
82 P 271	P4-W	4″	Square	1.0 oz	4.5	1½	2.50
82 P 272	P5-W	5″	Square	1.0 oz.	5.0	1¾	2.62
82 P 176	P5-V	5″	Square	1.47 oz.	5.5	1¾	2.85
82 P 273	P6-W	6″	Square	1.0 oz.	6.0	2	2.82
82 P 179	P6-V	6″	Square	1.47 oz.	6.5	2	3.20
82 P 181	P6-T	6″	Square	3.16 oz.	7.5	2	4.59
82 P 195	P69-V	6x9″	Oval	1.47 oz	7.5	2½	4.12
82 P 183	P8-U	8″	Square	1.73 oz.	9.0	2½	4.23
82 P 184	P8-T	8″	Square	2.5 oz	10.10	2¾	4.94
82 P 187	P10-T	10″	Round	2.5 oz.	11.0	5	6.32
82 PX 190	P12-T	12″	Round	2.5 oz.	12.0	5	6.76
82 P 270	P314-T	14x3″	Oval	3.16 oz.	7.5	2	7.50

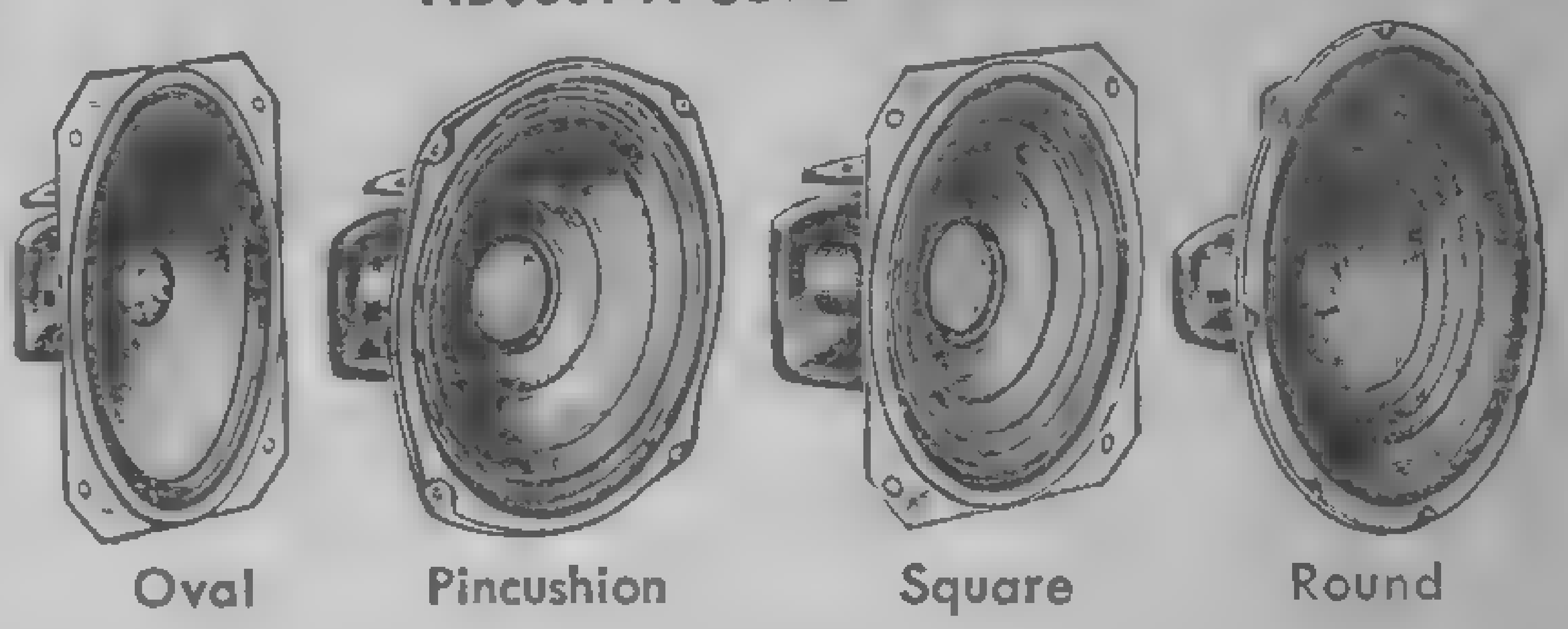
G-C AUTO-RADIO SPEAKER CONTROLS



TYPE 9183 SPEAKER FADER. (Not illustrated.) Dash-mounted control that permits decreasing volume of one speaker while raising volume of other. Complete with hardware, instructions. Wt., 3 oz.
83 P 054. NET 82c

TYPE 8891 SPEAKER SELECTOR SWITCH. Dash-mounted assembly selects front or rear speaker or both simultaneously. Complete with hardware, plate, knob and instructions. Wt., 3 oz.
83 P 053. NET 59c

ADJUST-A-CONE SPEAKERS



High-quality PM speakers for replacement and original-equipment applications in radios, phonographs, TV sets, etc. All except 25A07, 3A07 and 4A05 have "Adjust-A-Cone" which consists of a clamping ring securely fastening the spider to the basket by means of two machine screws rather than cementing. This assures precision centering of the voice coil. All 3½″ to 6½″ speakers, except 4A05, are supplied with universal mounting bracket. Magnets are Alnico-V. *Indicates very shallow frame. Voice coil impedance, 3.2 ohms except †speakers for transistor application; voice coil impedance indicated by digits following Z in Type number.

Stock No.	Mfr's Type	Shape	Size	Max. Watts	Magnet Weight	Wt., Lbs.	NET EACH
81 P 073	22A06Z8	Round†	2¼″	.25	.62 oz.	¼	2.79
81 P 074	22A06Z100	Round†	2¼″	.25	.62 oz.	¼	3.09
81 P 066	25A07	Square	2½″	2.0	.65 oz.	¼	2.35
81 P 076	27A06Z12	Round†	2¾″	.25	.62 oz.	¼	2.76
81 P 346	3A07	Square*	3½″	2.5	.65 oz.	½	2.35
81 P 030	4A05	Square	4″	2.5	.55 oz.	¼	1.91
81 P 049	35A05	Oval	3x5″	2.0	.55 oz.	½	2.47
81 P 320	4A07	Square*	4″	3.0	.65 oz.	½	2.53
81 P 321	4A1	Square	4″	3.0	1.0 oz.	¾	2.70
81 P 322	4A15	Square	4″	3.0	1.47 oz.	¾	2.97
81 P 347	46A07	Oval*	4x6″	3.5	.65 oz.	¾	2.79
81 P 371	46A1	Oval	4x6″	3.5	1.0 oz.	1	3.00
81 P 372	46A15	Oval	4x6″	3.5	1.47 oz.	1	3.23
81 P 077	48A2	Oval*	4x8″	4.5	1.4 oz.	1	4.67
81 P 323	5A07	Pincushion*	5″	3.5	.65 oz.	¾	2.65
81 P 324	5A1	Pincushion	5″	3.5	1.0 oz.	1	2.85
81 P 325	5A15	Pincushion	5″	3.5	1.47 oz.	1	3.09
81 P 803	52A1	Pincushion	5¼″	4.0	1.0 oz.	1	2.91
81 P 317	52A21	Pincushion	5¼″	4.0	2.15 oz.	1¼	3.56
81 P 348	57A1	Oval	5x7″	5.0	1.0 oz.	1	3.38
81 P 334	57A15	Oval	5x7″	5.0	1.47 oz.	1	3.59
81 P 339	57A21	Oval	5x7″	5.0	2.15 oz.	1¼	3.97
81 P 326	6A1	Pincushion	6½″	5.0	1.0 oz.	1	3.12
81 P 327	6A15	Pincushion	6½″	5.0	1.47 oz.	1	3.38
81 P 328	6A21	Pincushion	6½″	5.0	2.15 oz.	1¼	3.79
81 P 332	6A31	Pincushion	6½″	6.0	3.16 oz.	1½	4.47
81 P 373	69A2	Oval*	6x9″	8.0	1.4 oz.	1½	4.41
81 P 374	69A3	Oval	6x9″	10.0	3.2 oz.	1¾	5.41
81 P 078	69A1	Oval*	6x9″	6.0	1.2 oz.	1½	3.76
81 P 387	7A31	Pincushion	7″	9.0	3.16 oz.	2	5.14
81 P 329	8A21	Pincushion	8″	7.0	2.15 oz.	1½	4.56
81 P 330	8A31	Pincushion	8″	9.0	3.16 oz.	2¼	5.29
81 P 388	10A31	Round	10″	9.0	3.16 oz.	2¾	6.76
81 P 804	10A4A	Round	10″	10.0	4.64 oz.	3¼	7.61
81 P 805	10A6A	Round	10″	12.0	6.8 oz.	3½	8.53
81 PX 333	12A31	Round	12″	10.0	3.16 oz.	3¾	7.03
81 PX 806	12A4A	Round	12″	12.0	4.64 oz.	4	8.38
81 PX 807	12A6A	Round	12″	14.0	6.8 oz.	4½	9.38

"HUMI-GARD" OUTDOOR SPEAKERS

Quam speakers with the exclusive "Humi-Gard" cone of plastic impregnated fiber fabric. Specially designed to outlast ordinary moisture-proofed cones, yet provide the response of an untreated paper cone. Resists sand and dirt abrasion. Voice coil impedance, 3.2 ohms. *You can save by buying in large quantities. Write for quotations.*

Stock No	Mfr's Type	Size	Shape	Max. Watts	Magnet	Wt. Lbs.	NET EACH
81 P 308	3A070T	3½″	Square	2.5	.65 oz.	½	2.35
81 P 393	4A10T	4″	Square	3	1.0 oz.	1	2.73
81 P 306	5A150T	5″	Pincushion	3.5	1.47 oz.	1	3.15
82 P 260	6A150T	6″	Pincushion	5	1.47 oz.	1¼	3.53

ELECTRO-DYNAMIC SPEAKERS

Field coil type speakers for new equipment or replacement use. Voice coil impedance, 3.2 ohms. Wattage ratings are conservative. All have universal mounting brackets and heavy gauge metal baskets, baked aluminum enamel finishes. Standard mounting centers. †Have hum-bucking coil.

Stock No	Mfr's Type	Size	Shape	Field Ohms	Max. Watts	Wt., Lbs.	NET EACH
81 P 350	4E45	4″	Square	450†	3.0	1	3.67
81 P 352	5E45	5″	Pincushion	450†	3.5	1	3.82
81 P 353	5E10	5″	Pincushion	1000	3.5	1	3.82
81 P 357	6E10	6½″	Pincushion	1000	5.0	1½	4.41

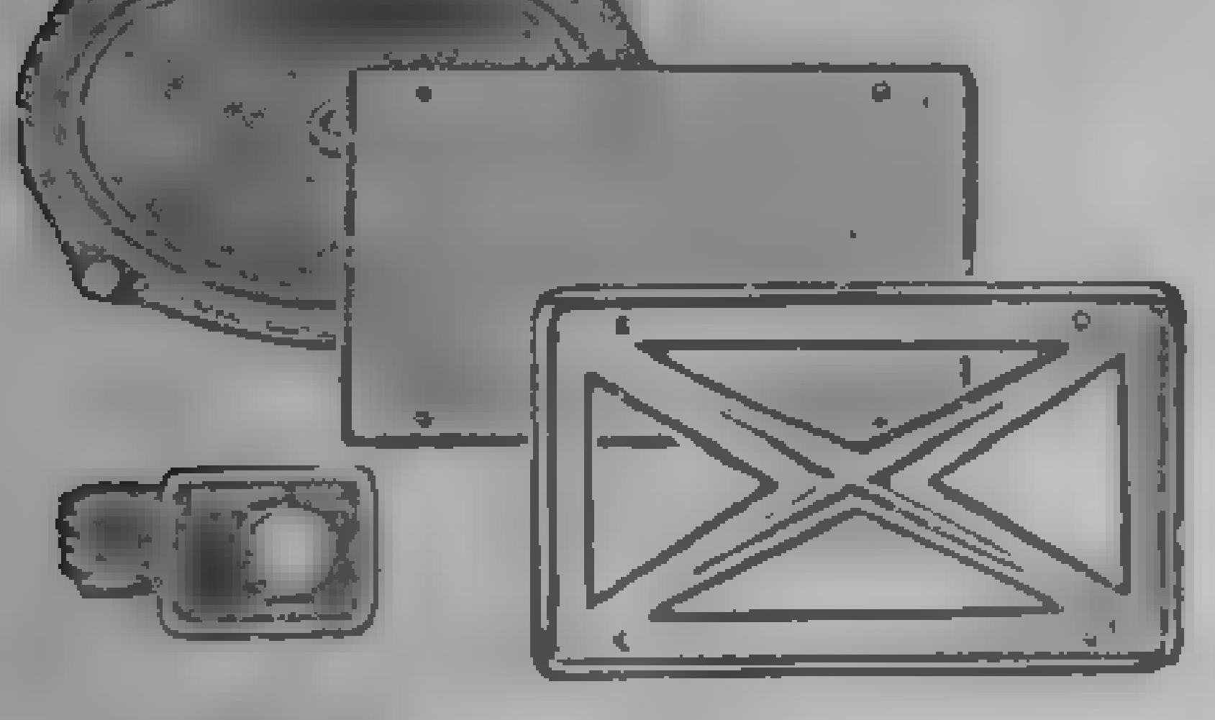
HIGH-IMPEDANCE INTERCOM SPEAKERS

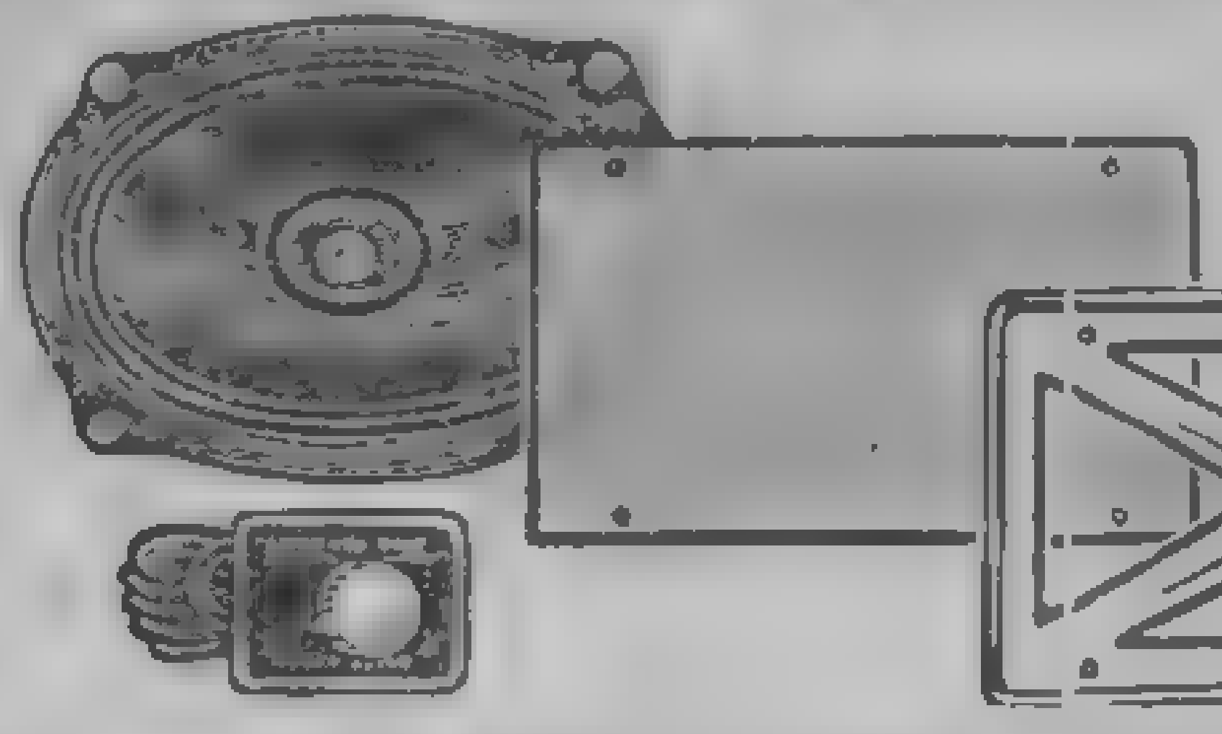
PM speakers designed for replacement in intercommunications systems. Voice coil impedance is 45 ohms.

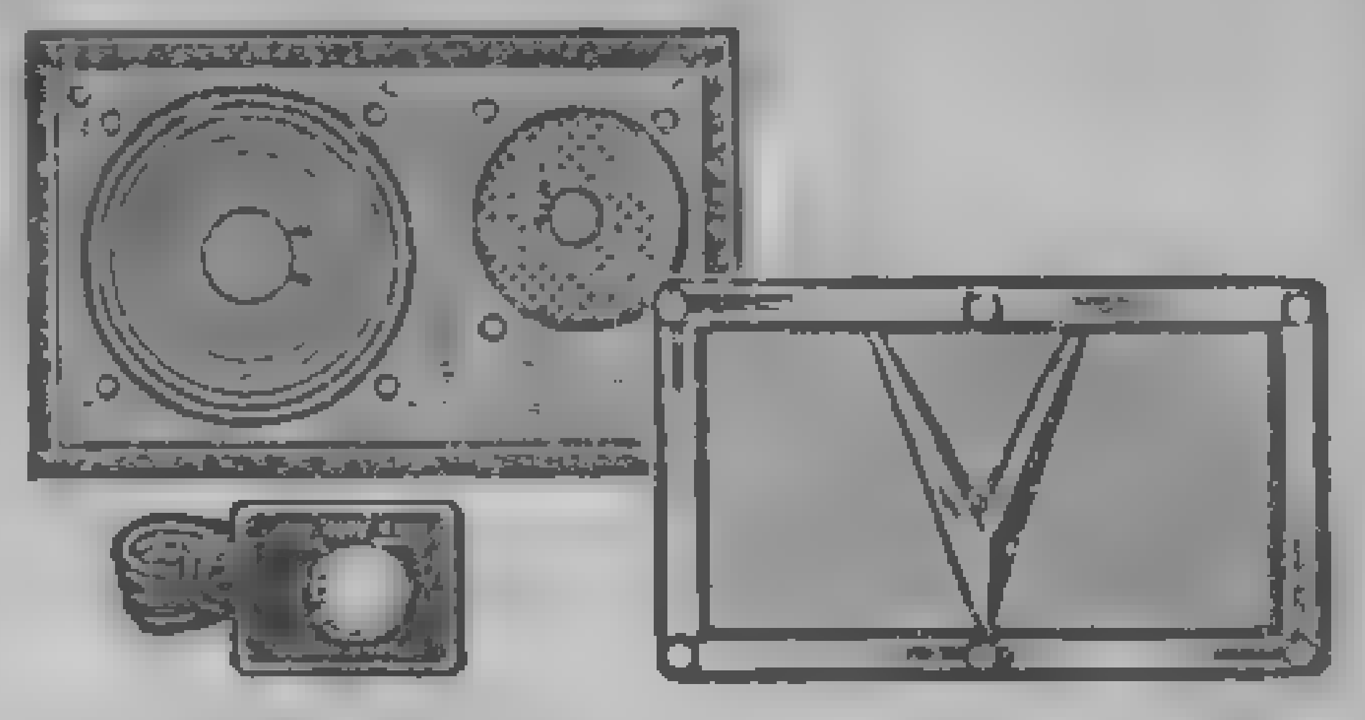
Stock No.	Type	Size	Shape	Magnet	Shpg. Wt.	NET
81 P 808	3A07Z45	3½″	Square	.65 oz.	½ lb.	2.50
81 P 809	4A1Z45	4″	Square	1.0 oz.	¾ lb.	2.85
81 P 810	5A1Z45	5″	Pincushion	1.0 oz.	1 lb.	3.00

Knight Top-Value Speakers and Grilles

REAR-DECK AUTO RADIO SPEAKER KITS







STANDARD REAR-DECK SPEAKER KITS

As Low As $3.75 A value-packed luxury item at remarkably low cost. These economically priced, rear-deck speaker kits are ready for quick, trouble-free installation in any car. Assure excellent tonal quality and greatly improved sound distribution.

Dash-mounted, 3-way control switch permits operation of front speaker only, rear speaker only, or both speakers together. Speakers are top-quality, Alnico V PM type with handsome, protective grille. Kits are available in two popular speaker sizes. Contain everything needed for a neat, custom installation. Your choice of two attractive finishes. Kits include: grille, pre-wired 3-way switch, all wires and hardware, mounting template and complete instructions—nothing else to buy.

Stock No.	Size	Grille	Lbs.	EACH
81 P 558	5x7″	Gray	2	3.75
81 P 559	5x7″	Chrome	2	3.92
81 P 501	6x9″	Gray	2½	4.50
81 P 502	6x9″	Chrome	2½	4.90

EXTENDED-RANGE SPEAKER KIT

As Low As $5.71 High-quality extended-range speaker kit for rear deck mounting. Has duo-type speaker with specially designed, high-frequency cone mounted at its center; provides balanced reproduction of a richer bass and treble. The duo-speaker employs the natural baffle of the automobile body to deliver pleasingly smooth reproduction throughout the audio range. Handsome grille in choice of two finishes.

A dash-mounted, 3-way switch, permits playing the radio-mounted speaker only, duo-speaker only, or all speakers simultaneously. Allows all passengers to hear radio broadcasts at a comfortable listening level—eliminates need for turning up front-seat volume. Kit includes switch, wire, all hardware and complete instructions.

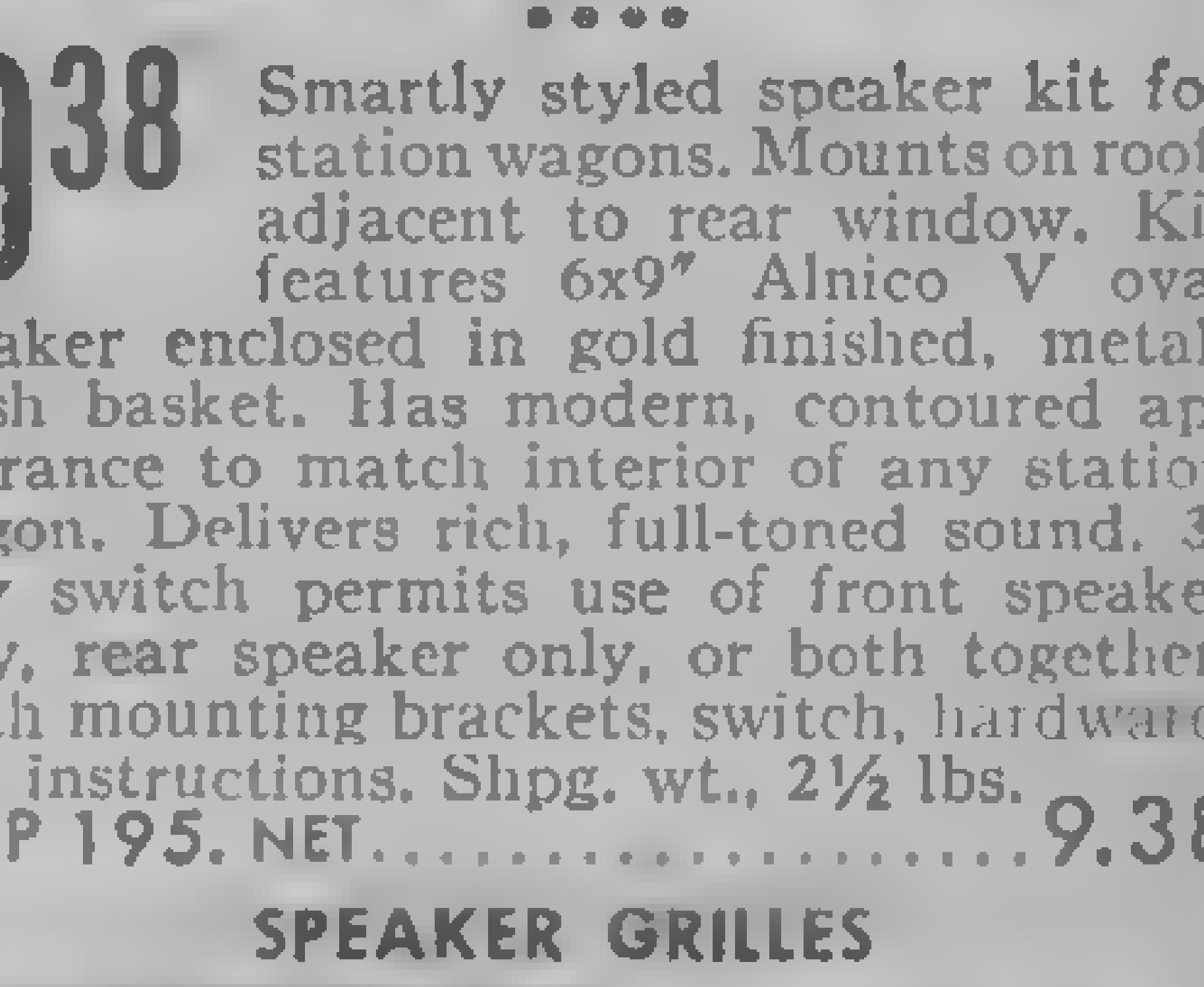
Stock No.	Size	Grille	Lbs.	EACH
81 P 132	5x7″	Gray	2	5.71
81 P 133	5x7″	Chrome	2	5.88
81 P 135	6x9″	Gray	2½	6.70
81 P 134	6x9″	Chrome	2½	6.86

DELUXE DUAL-SPEAKER KIT

$11.72 One of the finest rear deck speaker kits available, this distinctively styled unit features two separate speakers. Consists of a 4″ speaker and a 6″ speaker, mounted side-by-side on a baffle board. 4″ speaker serves as tweeter, 6″ speaker is used as a woofer. A built-in high-pass filter distributes highs and lows. Has smartly styled grille. Kit includes a dash-mounted switch for selection of radio-mounted, rear-deck, or all speakers together. Grille size, 7x11½″. Complete with switch, wire, hardware and instructions. Shpg. wt., 3 lbs.

81 P 130. Chrome Grille. NET
81 P 131. Gray Grille. EACH......11.72

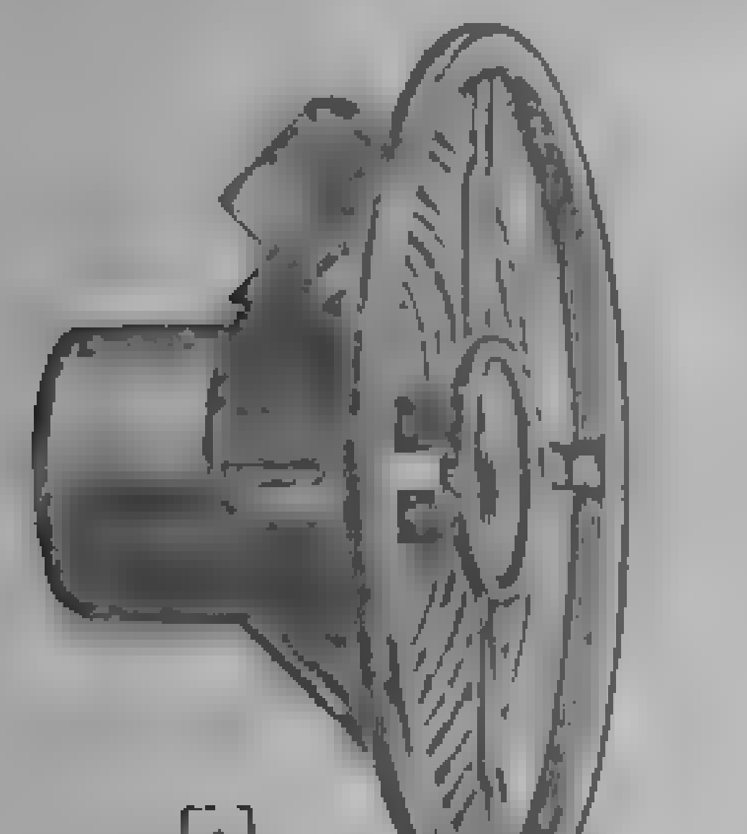
DELUXE SPEAKER KIT FOR STATION WAGONS



$9.38 Smartly styled speaker kit for station wagons. Mounts on roof, adjacent to rear window. Kit features 6x9″ Alnico V oval speaker enclosed in gold finished, metal-mesh basket. Has modern, contoured appearance to match interior of any station wagon. Delivers rich, full-toned sound. 3-way switch permits use of front speaker only, rear speaker only, or both together. With mounting brackets, switch, hardware, and instructions. Shpg. wt., 2½ lbs.

81 P 195. NET..................9.38

TOP BUYS IN COAXIAL SPEAKERS



A

As Low As $6.20 [A] Outstanding coax speaker values for economy-minded music lovers. Ideal for use in economy hi-fi systems, as extension speakers in recreation room and den, and for improving the tone of radios and phonographs. Clear treble and faithful bass. Imp., 8 ohms. "Alnico V" magnets. Built-in crossovers.

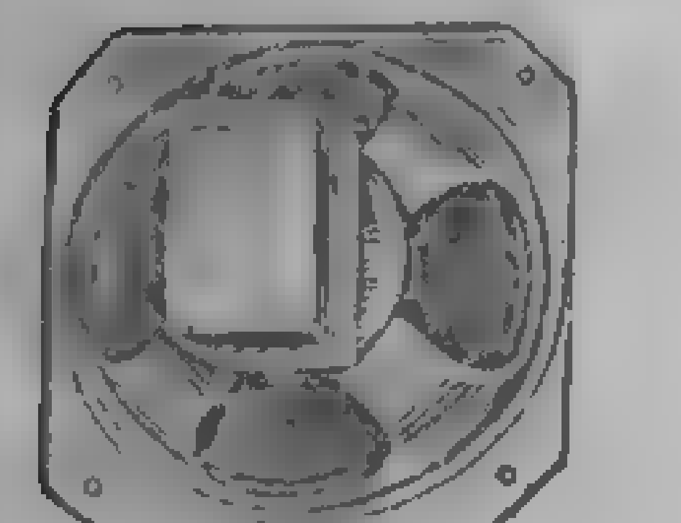
8″ Coaxial Speaker. 8″ cone; has 2.15 oz. magnet. 2¾″ tweeter with .68 oz. magnet. Rated at 8 watts. Range: 70-12,000 cycles. Crossover: 3000 cycles. Shpg. wt., 3 lbs.
81 P 607. NET.............................6.20

12″ Coaxial Speaker. 12″ cone; has 6.8 oz. magnet. 5″ tweeter with 1 oz. magnet. Rated at 15 watts. Range: 55-12,000 cycles. Crossover: 2000 cycles. Shpg. wt., 8 lbs.
81 PX 638. NET.............................9.70

15″ Coaxial Speaker. 15″ cone; has 6.8 oz. magnet. 5″ tweeter with 1.47 oz. magnet. Rated at 20 watts. Range: 45-12,000 cycles. Crossover frequency: 1800 cycles. Shpg. wt., 11 lbs.
81 PX 608. NET.............................14.91

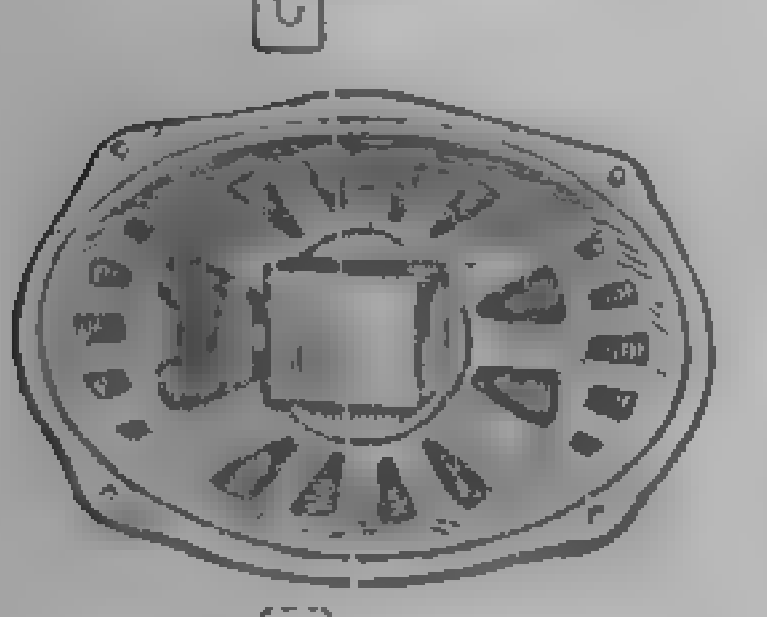
B

REPLACEMENT SPEAKER VALUES



C

As Low As $1.15 Excellent quality permanent magnet speakers at very low prices. Actually cost less than the price of a re-coning job. Designed for universal replacement use—also recommended for installation in original equipment. They're real money savers for radio and TV servicemen, Amateurs and "do-it-yourself" fans. All speakers are built to EIA standard dimensions—rugged construction throughout. Rigid frame construction assures permanent alignment of integral parts. Magnet and voice coil are precision centered. 4″ and 5″ speakers have four holes in pot for easy mounting; furnished with universal mounting bracket. Fully dustproofed. Imp. 3.2 ohms except †8 ohms. *Extended-range type for wider response.



D

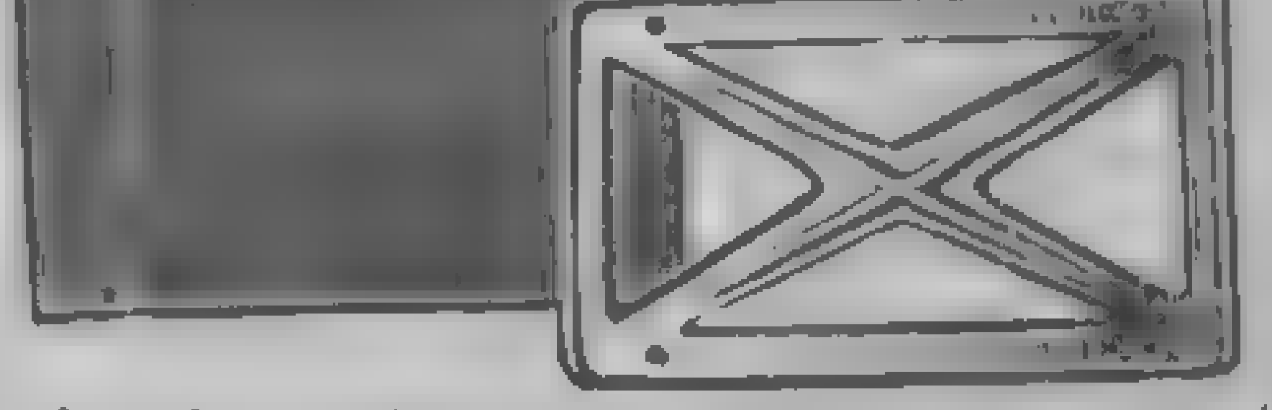
Stock No.	Fig.	Size	Magnet Weight	Max. Watts	Wt., Lbs.	NET EACH 1 to 5	NET EACH 6 or More
81 P 616	C	4″ sq	.68 oz.	3.0	½	1.27	1.15
81 P 617	B	5″	.68 oz.	3.5	¾	1.51	1.37
81 P 536	D	5x7″	1.0 oz.	5.0	1	1.82	1.65
81 P 534	D	6x9″	1.47 oz	8.0	1¼	2.43	2.20
82 P 250	D	*6x9″	1.47 oz.	8.0	1¼	2.56	2.32
81 P 024	D	†6x9″	1.47 oz.	8.0	1¼	2.62	2.36
81 P 507	B	8″	2.15 oz.	9.0	1½	2.73	2.47
81 PX 508	B	12″	3.16 oz.	10.0	3¼	4.42	4.01

TOP-VALUE DANISH 12″ SPEAKER

An outstanding value in an imported 12″ twin-cone speaker. Ideal for use in limited budget music systems and for improving the tonal quality of TV sets, radios, and phonos. Has two carefully coordinated cones driven by the same voice coil. The smaller auxiliary radiator cone helps attain a wider frequency range than a single-cone speaker of the same size. Provides rich, full-toned reproduction of low, mid-range, and high frequencies. Employs highly efficient Alnico V magnet. Voice coil impedance, 6 ohms. Shpg. wt., 5 lbs.

81 PX 068. NET.............................7.84

SPEAKER GRILLES

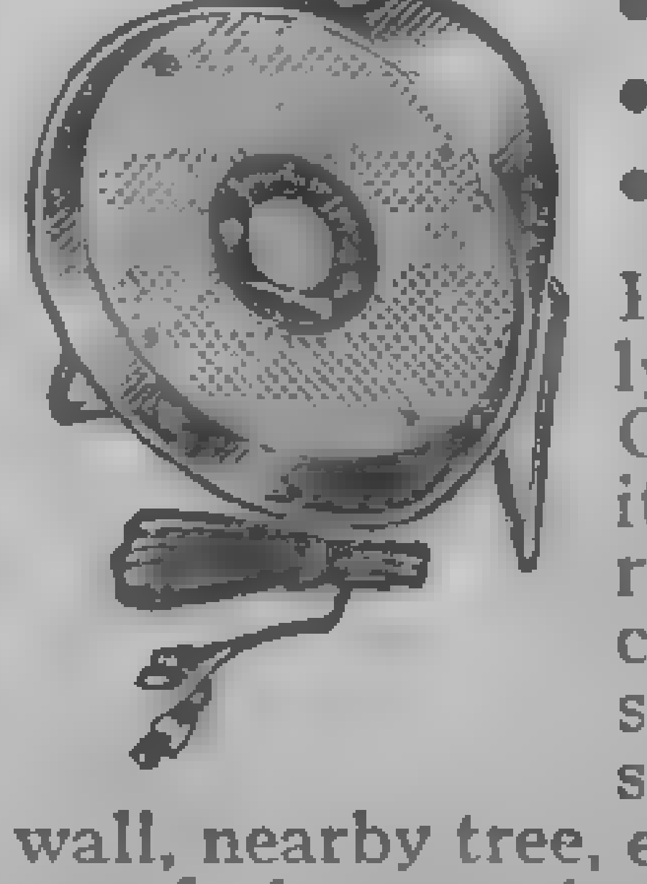


Distinctive, chrome finish speaker grilles for either 5x7″ or 6x9″ rear deck speakers. Attractive and durable chrome finish stays bright after years of wear. Include all mounting hardware. Av. shpg. wt., 1 lb.

FOR 6x9″ SPEAKER.
82 P 251. NET...................1.65

FOR 5x7″ SPEAKER.
82 P 252. NET...................1.08

6″ PORTABLE SPEAKER



- Stand It or Hang It
- For Indoors or Out
- Rich, Full Tone

Highly versatile, ruggedly-built extension speaker. Clip-on connection makes it easy to attach to any radio or TV set. No special baffling is required—set it on the handy stand supplied or hang it from a wall, nearby tree, etc. Guaranteed weatherproof, it may be left outdoors the year 'round. Complete with 20 ft. of cable and alligator clips. Blue with contrasting chrome grille plate and legs. 3″ deep; 6″ diameter. Shpg. wt., 1¼ lbs.

81 P 067. NET...................4.95

How To Select A Receiver

Communications receivers are classified in two groups: (1) *General-Coverage* types which tune the broadcast band and short-wave, including Amateur bands; (2) *Amateur* types which cover Ham bands only. General-Coverage receivers are identified by two symbols ▣▣; Amateur receivers with one ▣.

KING-SIZE TRADE-INS

Allied is making bigger and better trade-in deals on used Ham equipment. Now is the time to trade in your old gear and modernize your station. Write us today—describe your trade-in—you'll get a terrific deal from Allied.

EASY-PAYMENT TERMS

Allied's new plan lets you own and enjoy the most deluxe equipment for only a small down payment. On orders of \$20.00 to \$50.00, down payment is \$2.00; from \$50.00 to \$200.00, \$5.00; over \$200.00, only \$10.00.

15-DAY TRIAL OFFER

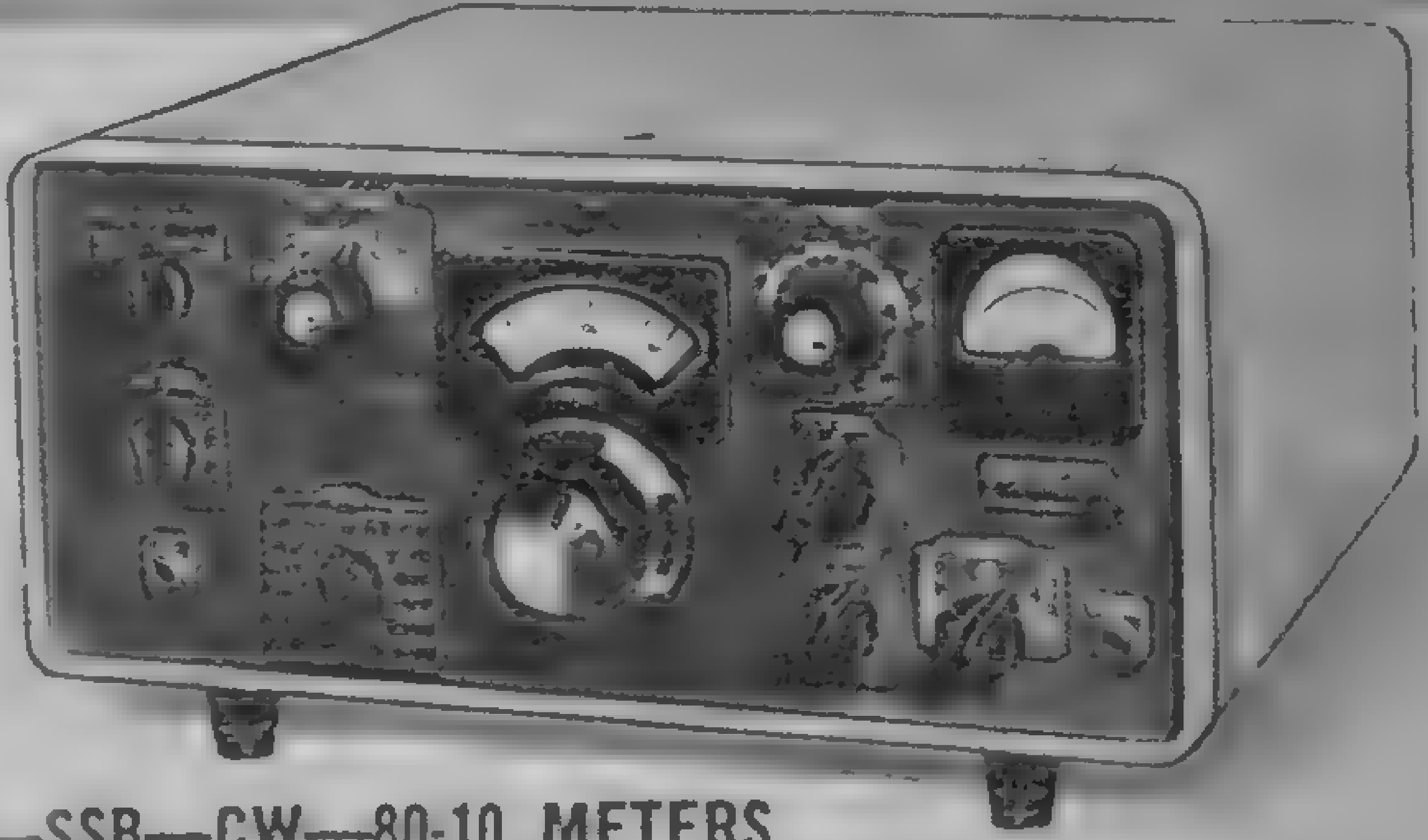
Try new equipment under your own home conditions. If within 15 days you're not completely satisfied with your purchase, return it to Allied. We'll promptly refund the full purchase price, less only the transportation cost.

There's More For The Amateur At ALLIED

THE WORLD'S LARGEST SUPPLIER OF AMATEUR RADIO EQUIPMENT

Collins KWM-2 TRANSCEIVER

only $10 down



ULTRA COMPACT—SSB—CW—80-10 METERS

Modern styling and easy mobility make this lightweight SSB-CW transceiver an ideal unit for mobile, marine or fixed station use. Covers the 80 through 10 meter Amateur bands plus 14.8 to 15.0 mc for receiving WWV. Power input is 175 watts P.E.P. on SSB; 160 watts on CW. Provides upper or lower sideband emission on SSB and keyed tone on CW. Filter type SSB generation provides carrier suppression of 40 db; unwanted sideband suppression of 50 db. Receiver sensitivity is ½ µv for 10 db S/N ratio on all bands. Has permeability-tuned variable oscillator and crystal-controlled, HF dual-conversion oscillator. 6½x14¾x13". Less power supply (below). Shpg. wt., 17 lbs.

77 SX 839. *\$10 Down.* NET....**1150.00**

MODEL 516E-1 12 V. DC POWER SUPPLY. 5¾x11⅜x7¾". 13 lbs.

94 SU 878. *\$10 Down.* NET......**270.00**

MODEL 516F-2 115 V. 50-60 CYCLE AC POWER SUPPLY. 7¾x10x12". 29 lbs.

94 SU 866. *\$5 Down.* NET.......**115.00**

Collins—"Creative Leader In Communications"

30S-1 LINEAR AMPLIFIER

Highly efficient, single-tube, grounded-grid linear amplifier—the perfect companion for the 32S-1 or any other transmitter or exciter delivering 70 to 100 watts of driving power. Provides the full legal power input for SSB (1 kw average) or 1 kw input for CW. Has front panel bandswitching; frequency ranges are: 3.5-4.0 mc, 7.0-7.3 mc, 14.0-14.4 mc, 21.0-21.45 mc, 28.0-29.7 mc.

Power amplifier is an Eimac 4CX1000A. Incorporates inverse feedback for better linearity. Automatic load control voltage from amplifier is fed back to transmitter.

Self-contained in handsomely styled floor-mounted cabinet. Power supply for unit, housed in cabinet, provides cathode bias voltage and 3000 volts for the 4CX1000A plate. Space is also provided for 516F-2 power supply of the 32S1. Has quiet, efficient air blower. 30⅝x17x16⅝". For 115 or 230 v., 50-60 cycle AC. Shpg. wt., 160 lbs.

83 SZ 896. *\$10 Down.* NET....**1556.00**

COLLINS ACCESSORIES

MODEL 312B-5 SPEAKER CONSOLE AND EXTERNAL PTO FOR THE KWM-2. Combines the KWM-2 and accessories into a fixed station system. Houses speaker, RF directional wattmeter, phone patch and function controls. Provides the following combinations of frequency control: transceive on KWM-2 PTO; transceive on 312B-5 PTO; receive on KWM-2 PTO and transmit on 312B-5 PTO. 7¾x10x12¼". 10 lbs.

94 SU 559. *\$10 Down.* NET.....**350.00**

MODEL 312B-4 CONSOLE. As above, but less PTO. For "S" line or KWM-2. 10 lbs.

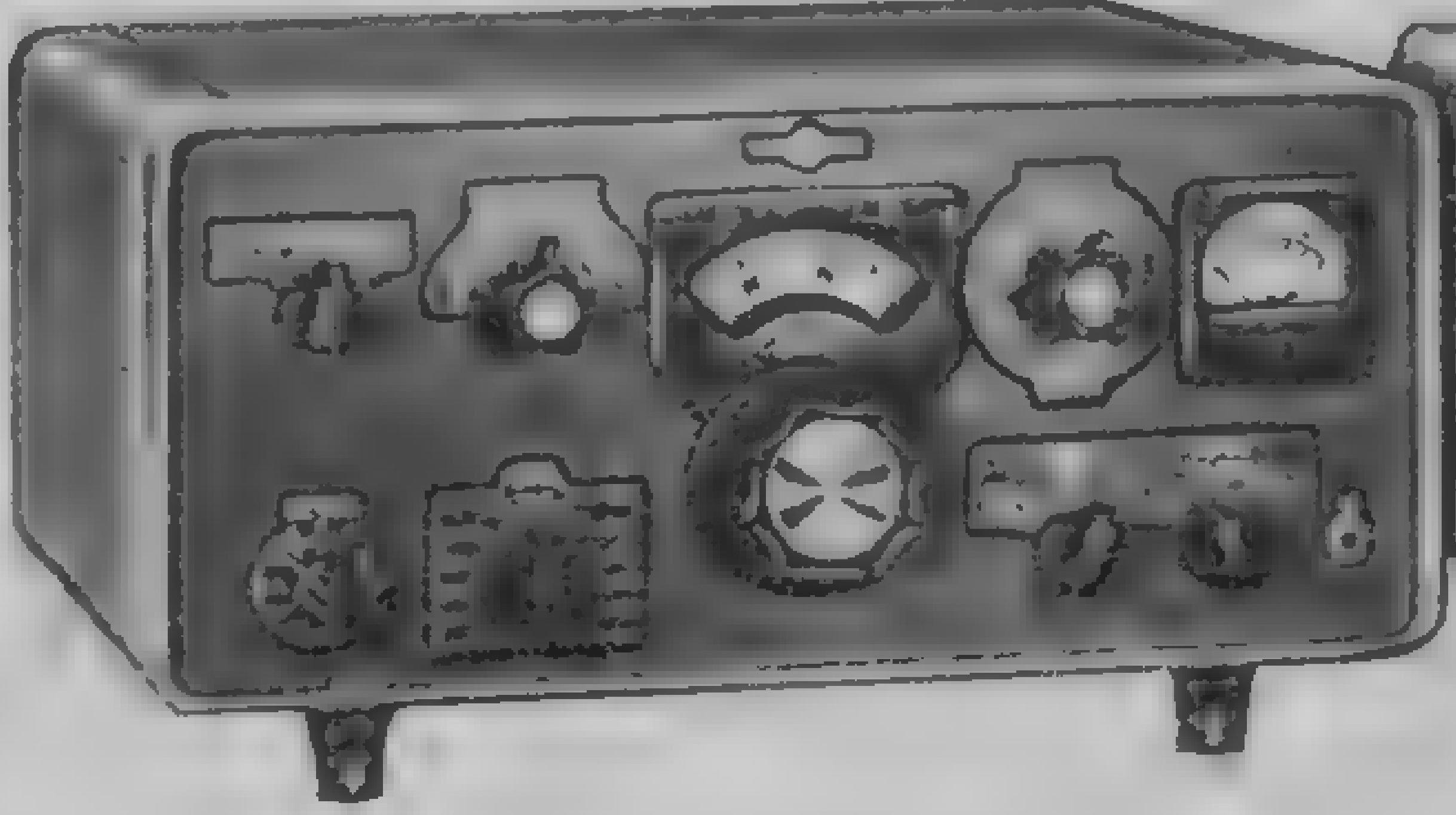
92 SU 395. *\$5 Down.* NET.......**195.00**

MODEL 312B-3 SPEAKER. 7¾x10x8". 4 lbs.

92 SX 394. *\$2 Down.* NET.........**29.00**

MODEL 351D-2 MOBILE MOUNT FOR KWM-2. For mounting KWM-2 transceiver under dash. Shpg. wt., 18 lbs.

99 SX 958. NET.................**120.00**



32S-1 SSB TRANSMITTER

Ultra-compact SSB-CW transmitter. Input is 175 watts PEP on SSB; 160 watts on CW. The 32S-1 offers exceptional operating convenience and superior all-around performance. An ideal companion for the 75S-1.

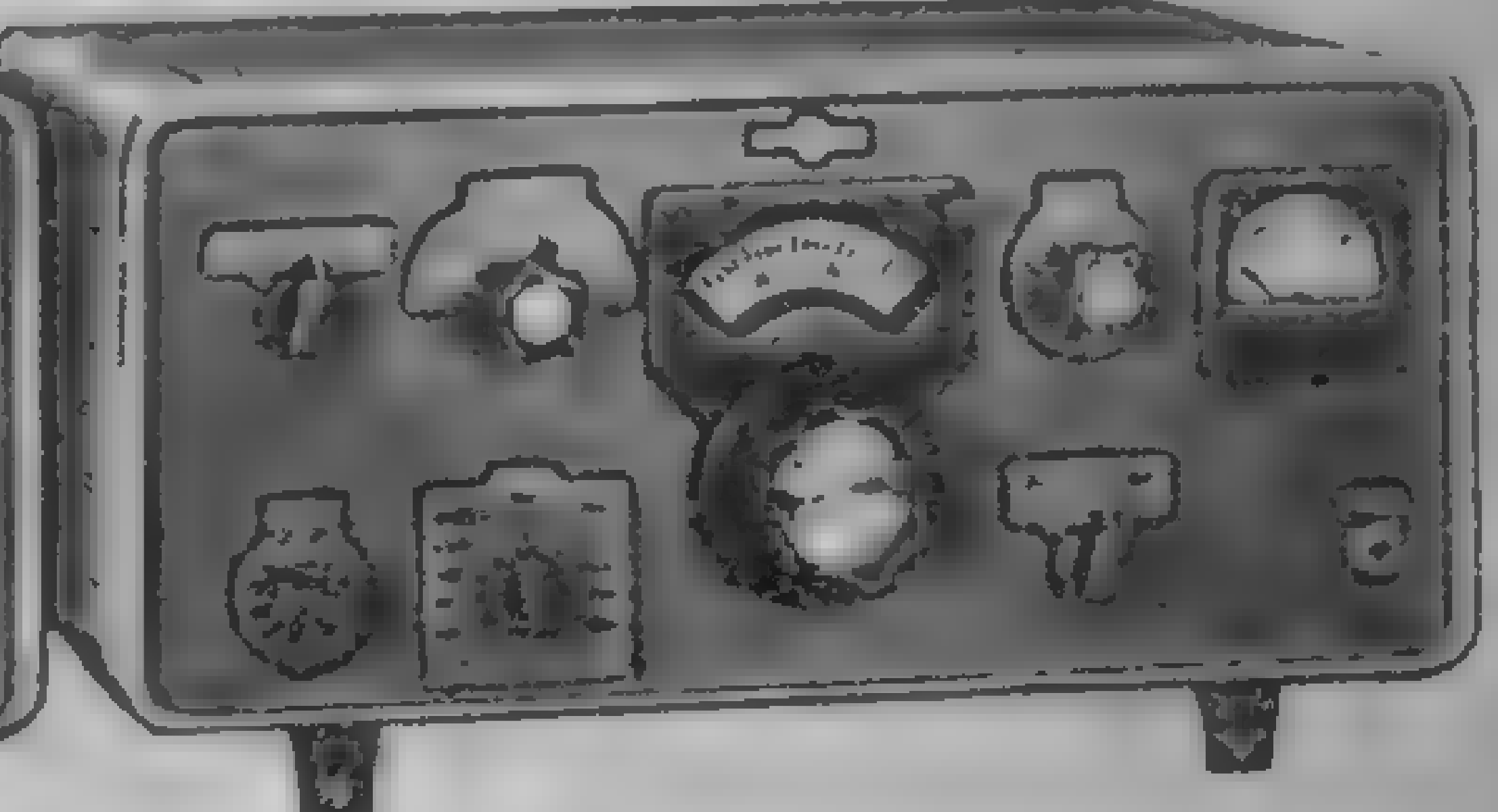
Outstanding features include: mechanical filter-type SSB generator, permeability-tuned VFO, upper or lower sideband operation, RF inverse feedback, 10 db audio compression (ALC) and VOX. 2—6146 final. Frequency control system consists of VFO functioning with crystal oscillator that accommodates 13 heterodyne crystals—permits coverage of any 13—200-kc ranges from 3.4-30 mc. 11 crystals supplied provide coverage of 80, 40, 20 and 15 meters, and 28.5-28.7 mc. (2 open crystal positions can be used to cover 2 more ranges on 10 meters.)

Overall frequency stability after warm-up is within 100 cps. Provides 10 db audio compression and 50 db suppression of carrier, unwanted sideband, and oscillator feedthrough and mixer products. Has 600-ohm phone-patch input. Output impedance is 50 ohms. 6⅞x14½x11⅝". Less power supply (below). Shpg. wt., 17 lbs.

94 SU 865. *\$10 Down.* NET.....**666.00**

516F-2 POWER SUPPLY. For 32S-1. With cables. For 110-120 volts, 50-60 cycle AC. 7¾x10x12". Shpg. wt., 29 lbs.

94 SU 866. *\$5 Down.* NET.......**115.00**



▣ 75S-1 SSB RECEIVER

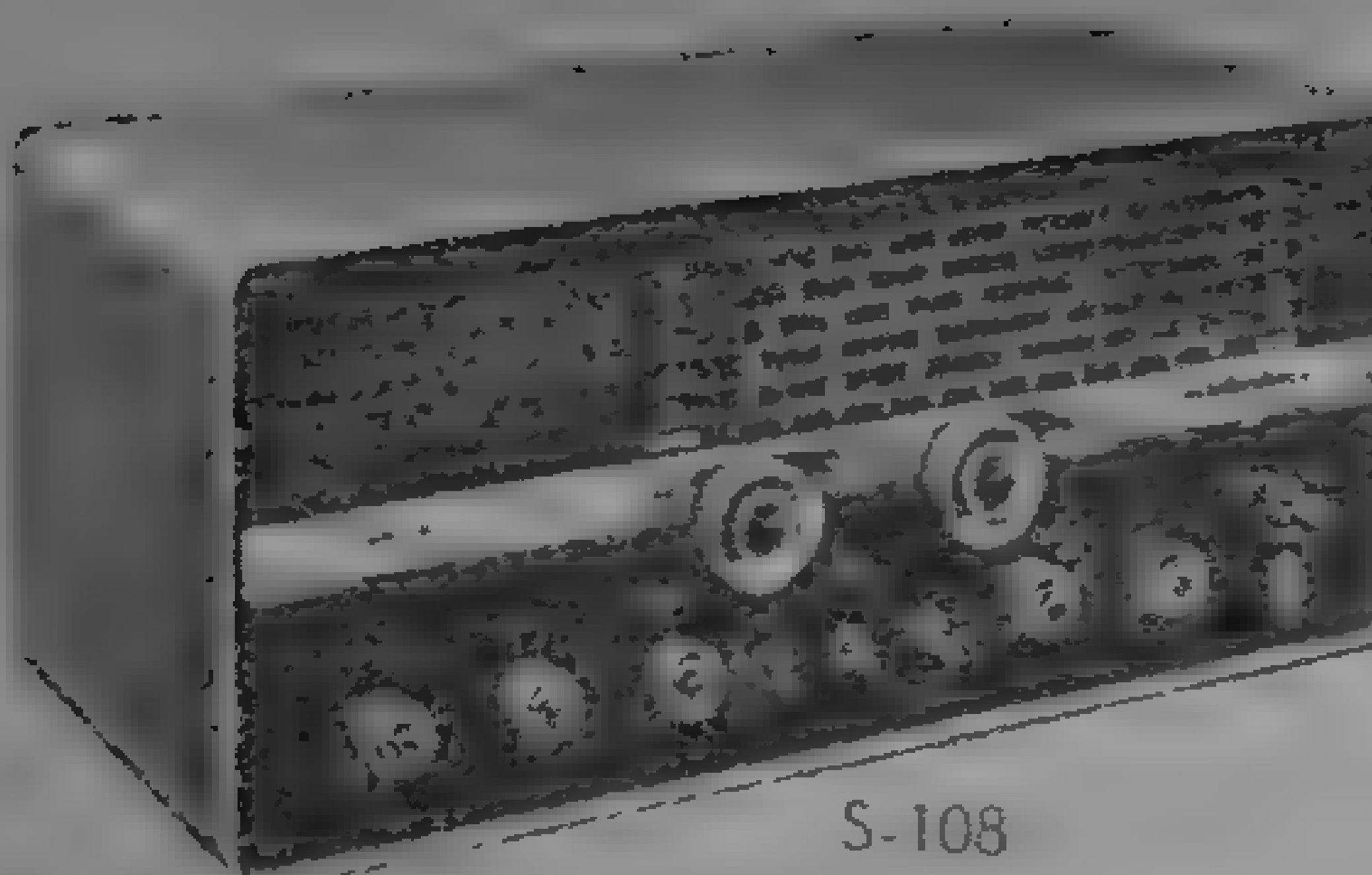
Advanced-design receiver for SSB, AM and CW. Use alone, or with the 32S-1 transmitter to make a compact, efficient station. Receiver VFO can be used to control both units for transceiver operation. Tuning system consists of VFO with crystal oscillator that accommodates 14 heterodyne crystals—for coverage of any 14—200-kc ranges from 3.4-30 mc. 12 crystals supplied provide coverage of 80, 40, 20 and 15 meters, WWV and 28.5-28.7 mc. (2 open crystal positions cover 2 more ranges on 10 meters.)

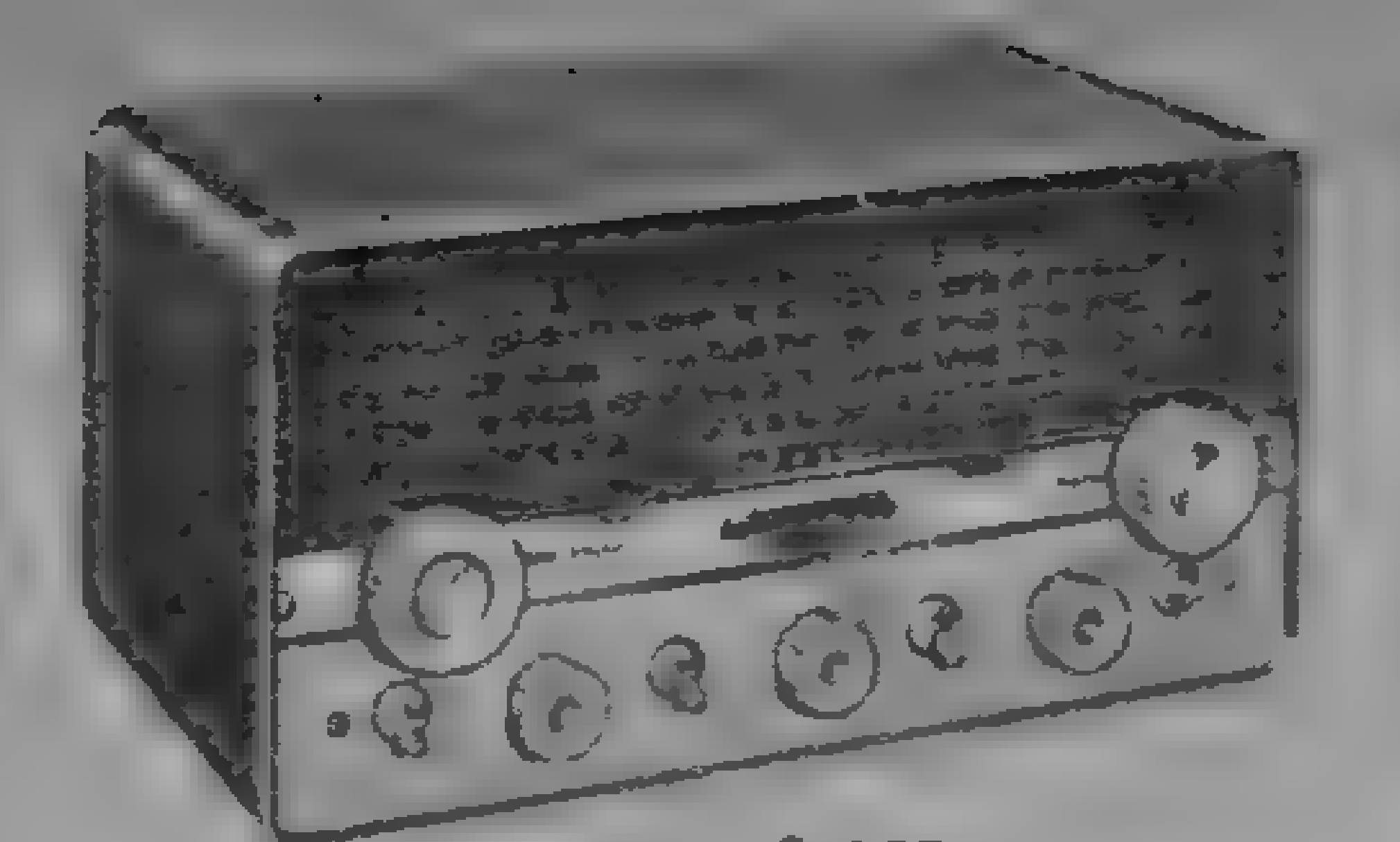
Features dual conversion with crystal-controlled 1st beating oscillator, bandpass 1st IF, permeability-tuned VFO (stable within 100 cps), mechanical filter for high selectivity and sideband selection, 100-kc calibrator and product detector. Other important design characteristics include use of only 150 volts on tube plates and choice of 3 degrees of selectivity—2.1 or 0.5 kc with mechanical filter, or IF transformers for AM.

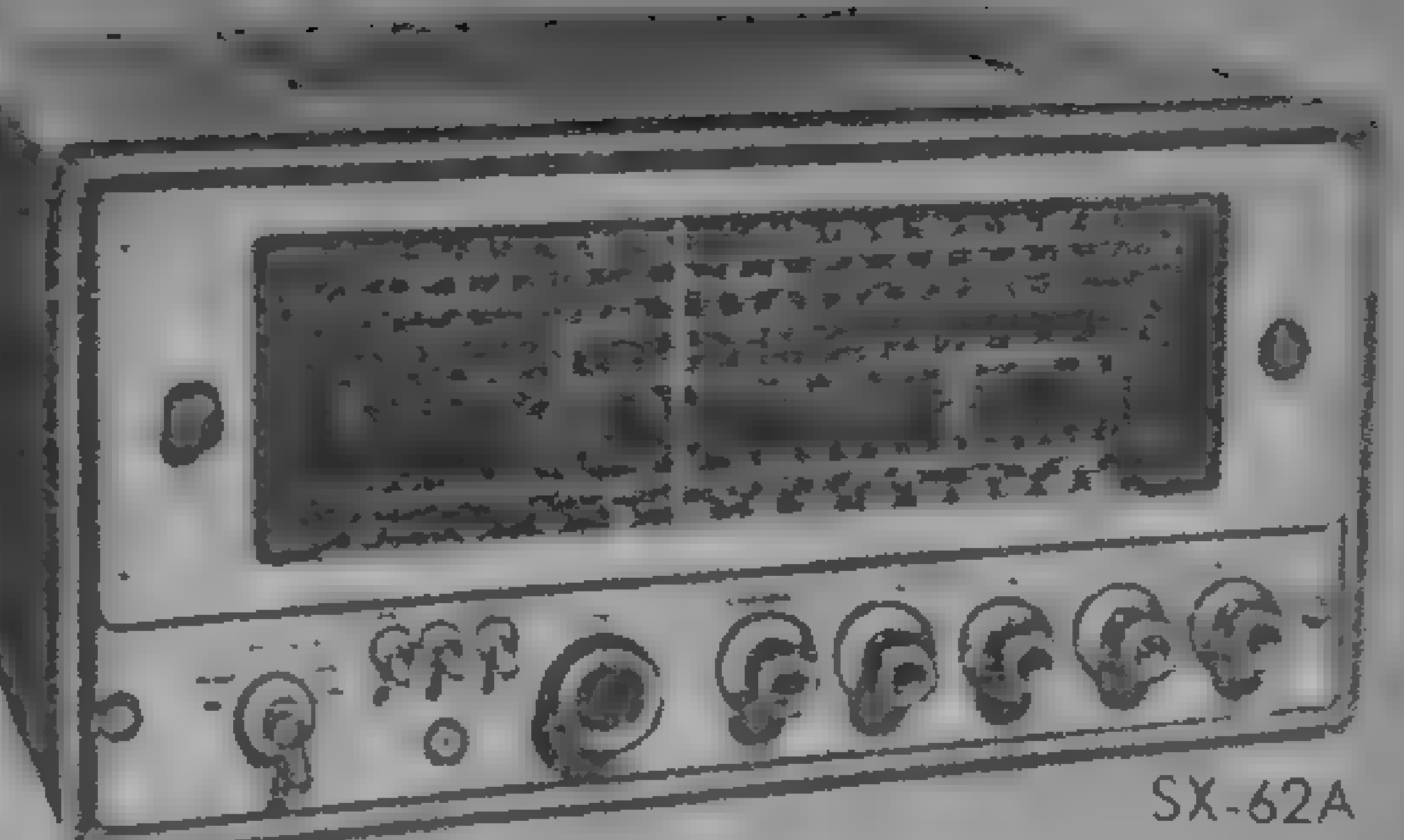
Signal-plus-noise-to-noise ratio is 10 db for 1 µv CW input. IF rejection is better than 70 db, image rejection is better than 60 db. Internal power supply may be disabled when using 75S-1 with 32S-1 and 516E-1 supply. Less speaker (see accessories column). 6⅞x14½x11⅝". For 110-120 v., 50-60 cycle AC. 21 lbs.

92 SU 383. *\$10 Down.* NET.....**520.00**

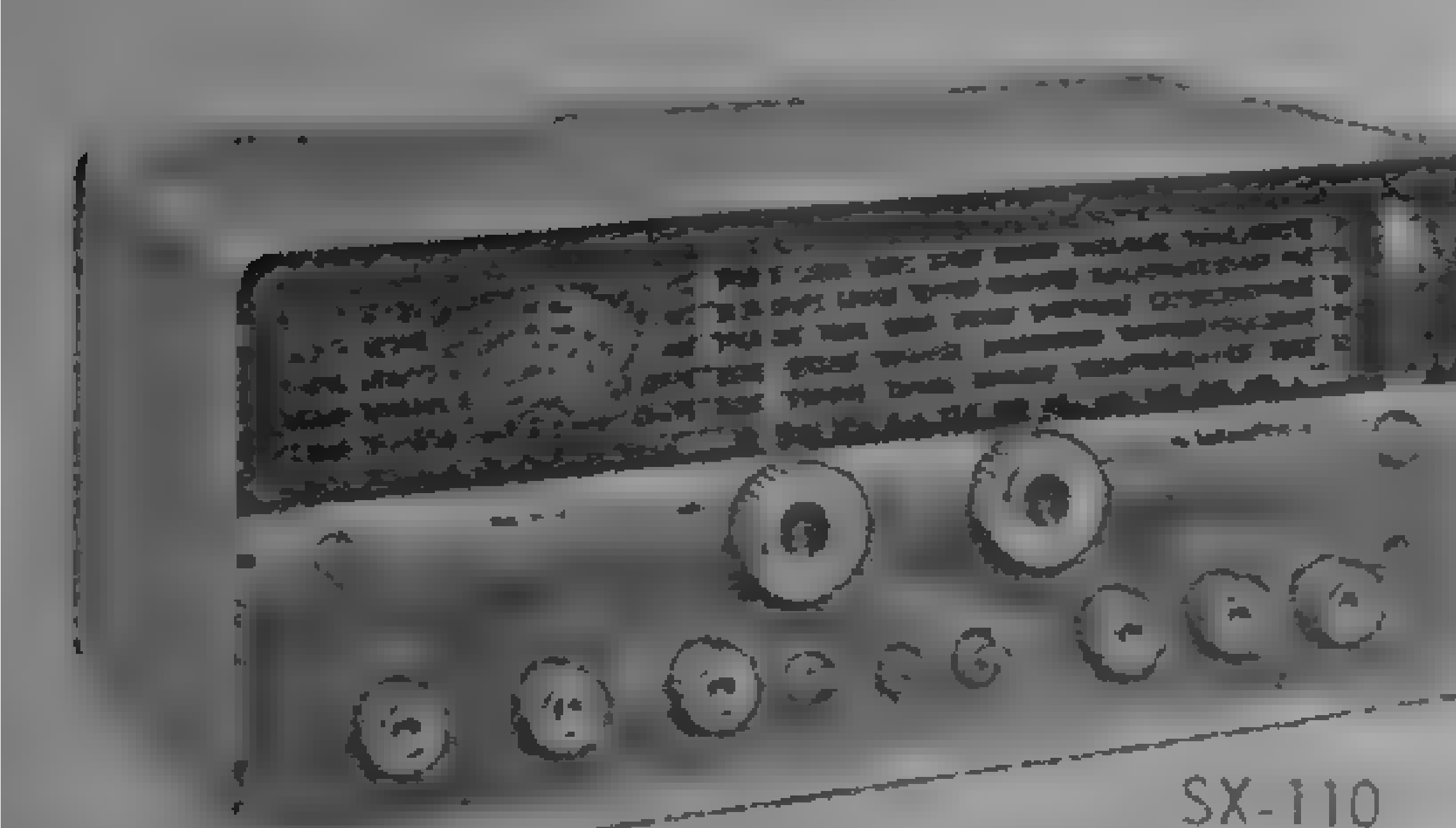
For Tops in Trades—Order Your Collins Gear From Allied


S-108


S-107


SX-62A

HALLICRAFTERS Receivers


SX-110

▣ ▣ SX-110 RECEIVER

- **Calibrated Electrical Bandspread**
- **Crystal Filter for High Selectivity**
- **Has Accurate Signal Strength Meter**

An outstanding value in a medium-priced communications receiver, the SX-110 represents the latest improved version of the highly popular SX-99. Features excellent circuitry and high-quality components to assure peak performance.

FREQUENCY COVERAGE. Full coverage of all frequencies from 540 kc to 34 mc in 4 ranges: the standard AM broadcast band plus 3 short-wave ranges.

FEATURES: Bandspread dial calibrated for 80-75, 40, 20, 15 and 10 meters; "S" meter calibrated in units of 6 db to S9 and in db above S9 for accurate signal reports; crystal filter for razor-sharp selectivity; RF stage and two IF stages for very high sensitivity. Separate BFO with pitch control; automatic noise limiter and tone control. 7 tubes; plus rectifier. Overall size: 8½x18¾x11". Less speaker (see R-47 and R-48 below). U. L. Approved. For 105-125 v., 50-60 cycle AC. Shpg. wt., 36 lbs.

77 SX 784. *$5 Down.* NET......**159.95**

▣ ▣ S-108 RECEIVER

Supersedes the renowned S-85 series. Completely restyled for improved operating ease and greater tuning accuracy. Tunes 540 kc to 34 mc continuously in 4 ranges.

Features include: Bandspread dial calibrated for 80, 40, 20, 15, 11 and 10 meters; RF amplifier; 2—IF amplifiers; BFO with variable pitch control; automatic noise limiter; 3-position tone control; built-in 5" PM speaker; 4 tuning ranges—standard broadcast plus 3 shortwave bands. Has temperature-compensated oscillator; slide-rule dial; standby-receive switch; automatic volume control; and convenient panel jack for plugging in headphones.

In steel cabinet finished in gray with silver trim. 7 tubes plus rectifier. Size, 8⅞x18½x10". U.L. Approved. For 105-125 v., 50-60 cycle AC. Shpg. wt., 36 lbs.

77 SX 787. *$5.00 Down.* NET....**129.95**

▣ ▣ S-107 RECEIVER

An outstanding value in a handsomely styled general-coverage receiver. Five ranges cover standard AM broadcasts from 540 kc to 1630 kc. shortwave from 2.5 to 31 mc. and 48 to 54.5 mc. Also has separate electrical bandspread with 0-100 logging scale.

Deluxe features include: an extra-large slide rule dial for maximum readability. built-in noise limiter. phono-input jack. Accommodates antennas from 50 to 300 ohms impedance—balanced or unbalanced. Has tip jacks with universal output impedance for headphones; built-in 5" PM speaker.

Tuning ranges: 540-1630 kc; 2.5 to 6.3 mc; 6.3 to 16 mc; 14 to 31 mc; and 48 to 54.5 mc. Bandspread tuning calibrated for 48-54.5 mc. Gray steel cabinet. 7 tubes plus rectifier. 7x13⅜x8⅞". For 105-125 v., 50-60 cycle AC. Shpg. wt., 18½ lbs.

77 SU 785. *$5 Down.* NET.......**94.95**

▣ ▣ SX-62A ALL-WAVE RECEIVER

Beautifully styled, this unique all-wave receiver offers remarkably wide coverage of AM broadcast, FM, and shortwave bands—continuously tunes all frequencies from 540 kc to 109 mc! Precision built to exacting standards—incorporates every modern refinement in receiver engineering. Six ranges: 540-1620 kc; 1620 kc-4.9 mc; 4.9-15 mc; 15-32 mc; 27-56 mc (AM-FM); 54-109 mc (AM-FM). Features push-pull 6V6 output for 10 watts of full-frequency audio. 4-position tone control; phono jack.

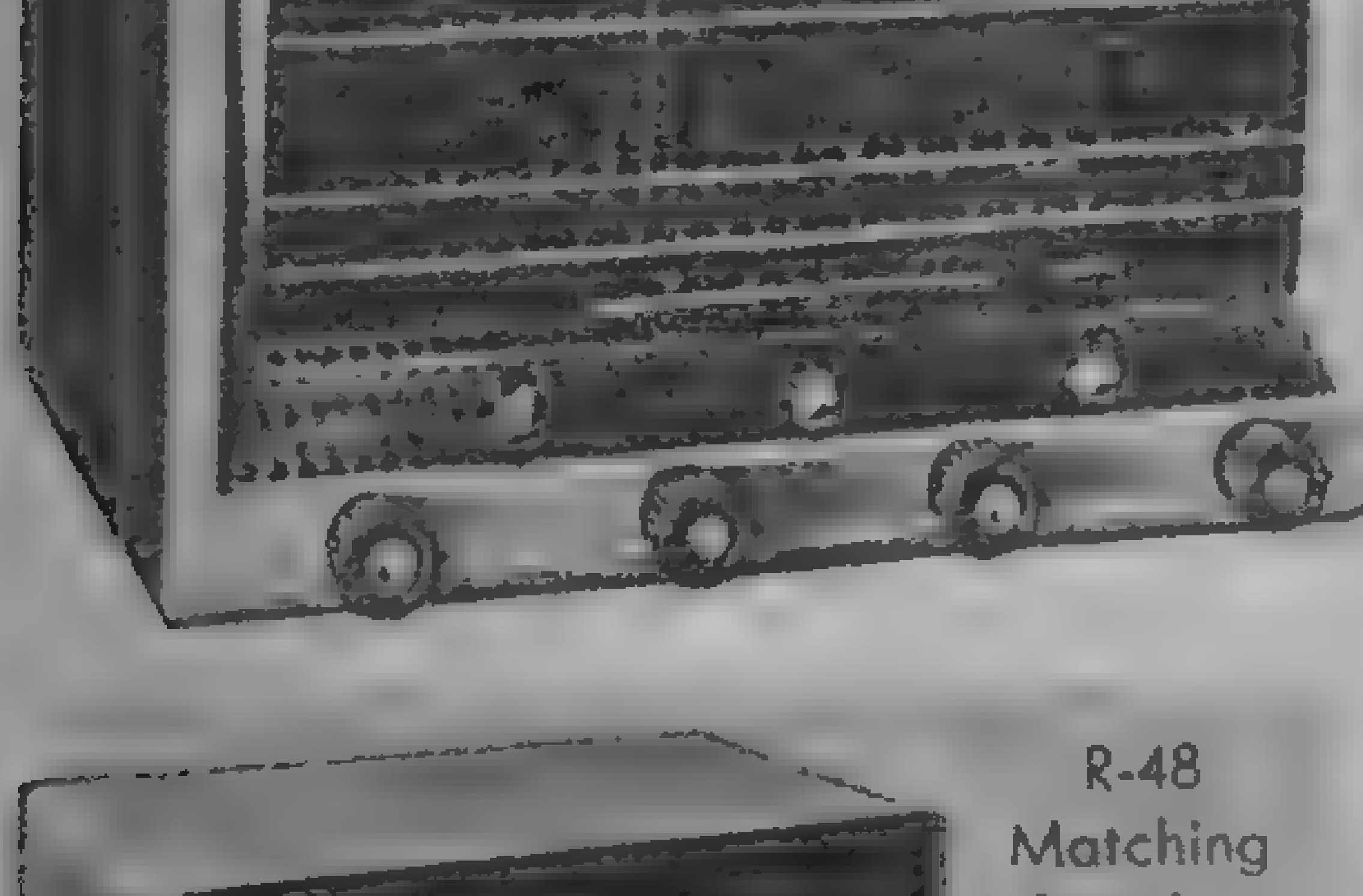
Has slide-rule dial; 60-to-1 ratio tuning knob; 500-kc calibrating crystal; BFO. Controls: Dial Pointer Reset; Band Selector; Receive/Standby; Calibration Crystal; Noise Limiter; Tuning; Off-On-Volume; Reception; Selectivity; Tone; Sensitivity.

Some of the SX-62A's deluxe features include: 2—RF and 3—IF stages for extremely high sensitivity; crystal filter which provides 6-step selectivity; separate RF and audio gain controls; BFO for CW reception; temperature-compensated, voltage-regulated oscillator. With automatic volume control (AVC) and automatic noise limiter (ANL). Has 300-ohm antenna input and 3.2, 8, and 500-ohm speaker outputs. Has 14 tubes plus voltage regulator and rectifier.

In sturdy black steel cabinet with gray panel and handsome silver trim. Overall size, 10½x20x16". Less speaker. (See R-47 and R-48 accessory speakers listed below.) For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt., 66 lbs.

97 SZ 540. *$10 Down.* NET .**375.00**

IDEAL FOR NOVICE HAMS AND SHORT-WAVE LISTENERS


S-38E

only $5 down

AVAILABLE IN FURNITURE FINISHES

▣ ▣ FAMOUS LOW-COST S-38E RECEIVER

Latest version of the famous S-38 series receivers. Covers 540 kc to 32 mc in 4 ranges. Provides sensitive coverage of both shortwave and AM broadcasts. Includes: separate electrical band-spread; built-in 5" PM speaker; tip jacks for headphone listening; large, slide-rule dial with 4 separate scales; receive/standby switch. Employs efficient superhet circuit with 4 tubes plus rectifier. Switch on rear panel for speaker or headphones. Gray steel cabinet with silver trim, 12⅞x7x9¼". For 105-125 v. DC, or 50-60 cycle AC. (See 220-v. adapter cord below.) Shpg. wt., 14 lbs.

94 SX 814. *$5 Down.* NET..........................**59.95**

FURNITURE-FINISHED S-38E. Above receiver in metal cabinet with lustrous, simulated wood grain finish. 14 lbs.

91 SX 995. **Mahogany**
91 SX 996. **Blonde**
NET EACH... **59.95**

220-VOLT ADAPTER CORD. Permits operating S-38E receivers from a 220 v., AC or DC power source. Reduces voltage to 110 v. Shpg. wt., 5 oz.

49 T 580. NET..........**1.32**

R-48 Matching Speaker

R-47 Matching Speaker

MATCHING SPEAKERS

R-47. Designed specifically for speech and CW reproduction—extremely effective on SSB. Has flat response from 300 to 2850 cps with a rapid drop in output above and below the cutoff frequencies. For use with receivers on this page and on the facing page. Impedance: 3.2 ohms. Size, (HWD) 5½x5¼x3½". Shpg. wt., 2½ lbs.

92 S 392. NET....... .. .**12.95**

R-48. Has switch for full fidelity or voice response. For receivers on this page and on the facing page. Impedance: 3.2 ohms. 6⅝x13¼x8¼". Shpg. wt., 9 lbs.

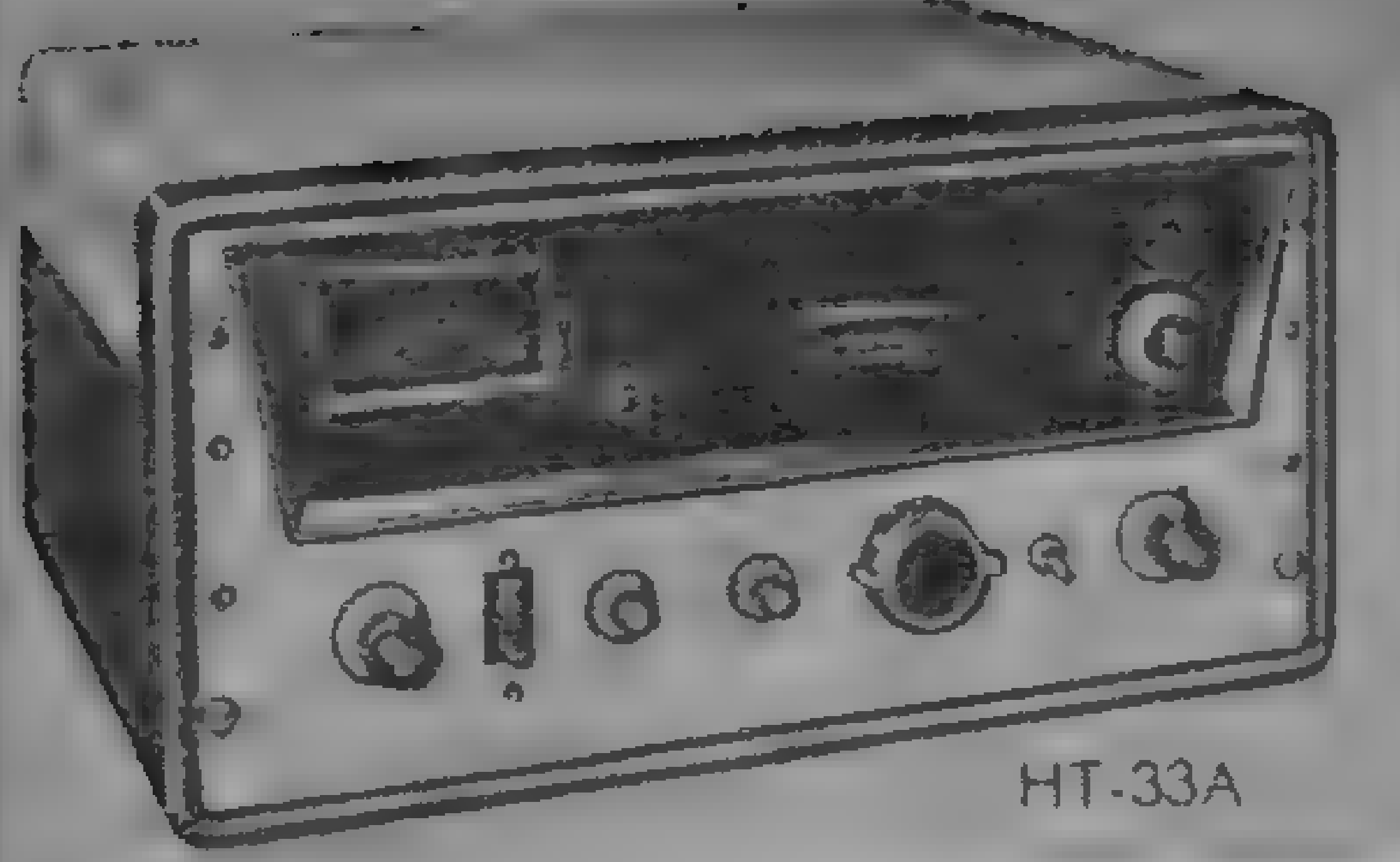
77 SX 789. *$2 Down.* NET........**19.95**

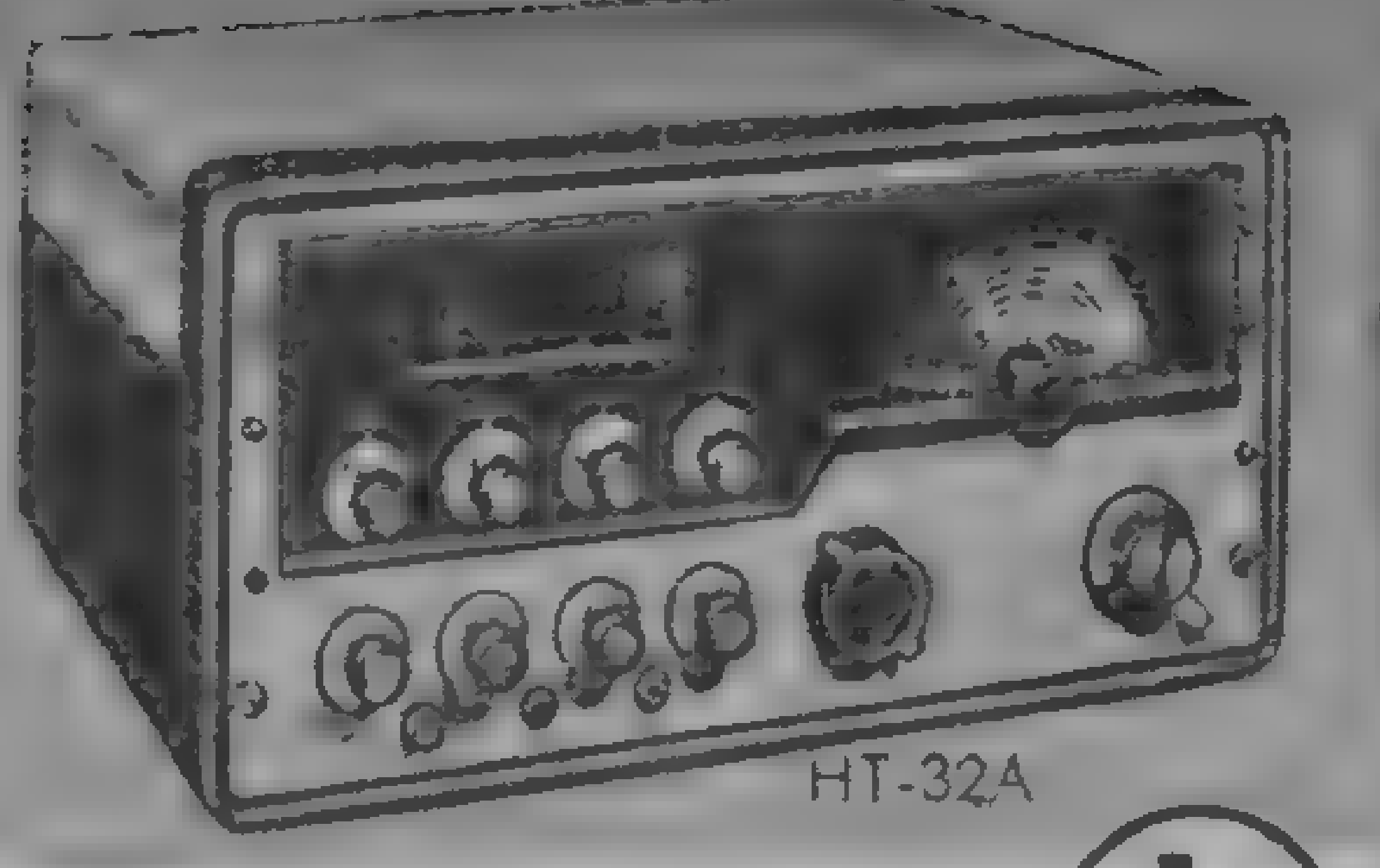
KING-SIZE TRADES... ...EASY PAY TERMS

Trade up to newer, better equipment. Allied will give you a giant trade-in allowance on your present Ham gear—and you can also take advantage of our Easy Pay Plan.

▣ **Amateur Type—Covers Ham Bands Only**
▣ ▣ **General Coverage Receiver**

Items with U or Z in Stock Number Shipped by Truck or Express





SSB And VHF Equipment

HT-33A LINEAR AMPLIFIER

The perfect companion to the HT-32A; identical in size and styling. Provides the maximum legal input on SSB and CW—up to a full kw on AM linear. Employs a PL-172 high-efficiency pentode operating in Class AB1, grid-driven across a non-inductive resistor for maximum stability.

Features: 1-knob bandswitching 80 through 10 meters; 3rd and 5th order distortion products down in excess of 30 db; passive grid circuit—50 to 75-ohm input; built-in RF output meter for fast, easy tune-up; pi-network output; variable output loading 30-80 ohms; metered circuits; built-in high-voltage circuit breaker; all leads and circuits RF-filtered for TVI suppression.

Gray and black steel cabinet. Size, 10¼x20x17". For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 130 lbs.
92 SZ 348-2. *$10 Down.* NET..**795.00**

HT-32A TRANSMITTER

High efficiency transmitter-exciter for SSB-AM, or CW operation. Used alone, the HT-32A with 144 watts P.E.P. input, is an excellent, completely self-contained transmitter for the 80, 40, 20, 15 and 10 meter Amateur bands. As an exciter, it is ideal for use with the HT-33A (left).

Incorporates a high-quality piezo-electric sideband filter for greatly increased suppression of unwanted sideband. Stable bridged-tee modulator develops almost perfect sideband modulation. Precision gear-driven VFO reads directly in kc. Distortion products down 30 db; carrier suppressed 50 db; VOX and push-to-talk; break-in keying; separate RTTY and phone patch inputs.

Gray and Black steel cabinet with chrome trim. 10¼x20x17". For 105-125 volts, 50-60 cycle AC. Shpg. wt., 86 lbs.
94 SZ 807. *$10.00 Down.* NET..**695.00**

▣ SX-101A SSB RECEIVER

A deluxe communications receiver incorporating every essential for first-class coverage of the Amateur bands. Offers a high degree of mechanical and electrical stability. Has 1-µv sensitivity on all bands and 5 steps of selectivity from 500 to 5000 cps. 5 bands cover: 3.5-4.0 mc; 7.0 to 7.3 mc; 14.0 to 14.4 mc; 21.0-21.5 mc; 28.0-29.7 mc—all Ham bands from 80-10 meters. Dial calibrated for 6 and 2-meter bands. (Use 6 or 2 meter converter with 30-34 mc output.) 10-mc position for zero-beating with WWV.

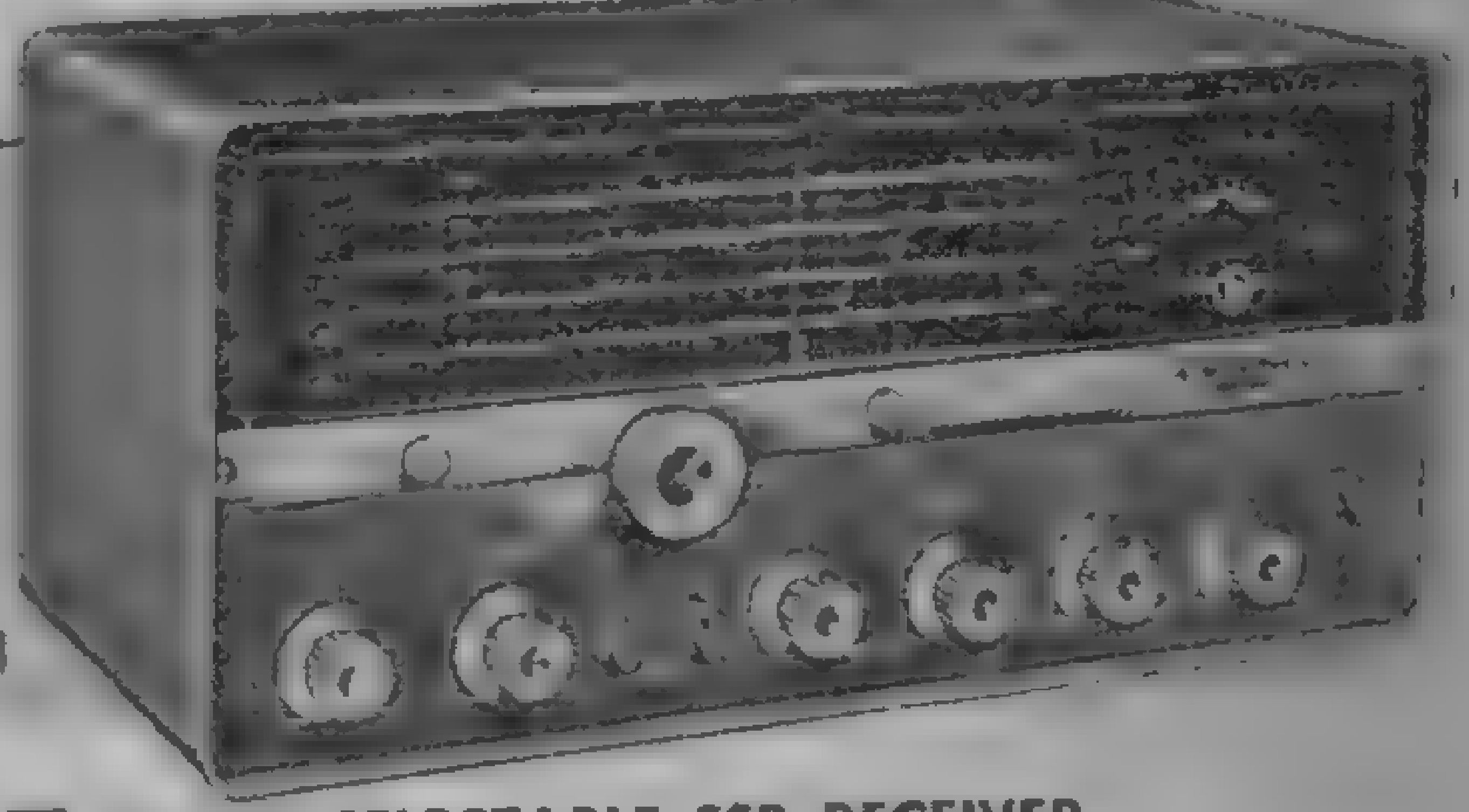
Features crystal-controlled 2nd conversion oscillators; Tee-notch filter; gear drive tuning— 50:1 ratio; 100-kc crystal calibrator, dual-scale S-meter independent of sensitivity control; direct-coupled series noise limiter; product detector for SSB.

Has 14 tubes plus VR and rectifier. In sturdy steel cabinet. Size, 10¼x20x17". Less speaker. (See R-48 and R-47 on opposite page.) For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 85 lbs.
77 SZ 769. *$10.00 Down.* NET..**399.50**

COMPLETE LOW COST SSB-AM-CW STATION

only $10 down

A complete Ham station offering three modes of operation —SSB, AM and CW at very low cost.



HT-37 TRANSMITTER

This moderately-priced, value-packed transmitter brings SSB within everyone's reach. Offers 70 to 100 watts P.E.P. output on CW or SSB, 17-25 watts output on AM. Retains the performance characteristics which made its "big brother", the HT-32A famous. Covers 80 through 10 meters. Features include: rugged VFO with double-reduction disc drive; sideband suppression of 40 db at 1000 cps; carrier suppression of 40 db or better; calibration system which permits instant CW CAL from any transmission mode; efficient VOX; distinctive speech quality. Final has 2—6146's. 9½x18¼x16¾". For 105-125 v., 50-60 cycle AC. Shpg. wt., 80 lbs.
77 SU 838. *$10 Down.* NET.,........... . ...**450.00**

▣ SX-111 SELECTABLE SSB RECEIVER

This popularly-priced dual-conversion, selectable-sideband communications receiver retains most of the outstanding features of the world-famous SX-101. Covers 80, 40, 20, 15 and 10 meters in 5 bands. Special 6th band tunes 10 mc for receiving WWV. Features include: high mechanical and electrical stability; 1-µv sensitivity; 5 steps of selectivity, from 500 to 5000 cycles; upper or lower sideband selection; built-in crystal calibrator; "Tee-Notch" filter; S-meter for accurate signal reports. Has 10 tubes plus VR and rectifier. 8½x18½x11". Less speaker. (See R-47 and R-48 on opposite page.) For 105-125 v., 50-60 cycle AC. Shpg. wt., 40 lbs.
77 SX 896. *Only $10 Down.* NET........ .. ..**249.50**

SR-34 VHF TRANSMITTER-RECEIVER

Complete AM-CW 2 and 6-meter station in one compact unit. Exceptionally stable and highly sensitive, it combines all the functions of both receiver and transmitter. Perfect for fixed, portable or mobile applications. Operates from either 115 v. AC, or 6 or 12-v. storage battery. Receiver is dual-conversion type with crystal controlled 2nd oscillator. Separate RF and oscillator sections for each band. Has "S" meter, BFO, ANL, squelch. Sensitivity averages under 1µv for 10 db S/N ratio on 2 and 6 meters.

Transmitter output: 6-7½ watts on 2 meters; 7-10 watts on 6. Collapsible antenna; built-in speaker. 8½x14⅞x13⅝". Less crystals and mike. Shpg. wt., 33 lbs.
92 SU 396. *$10 Down.* NET....**495.00**

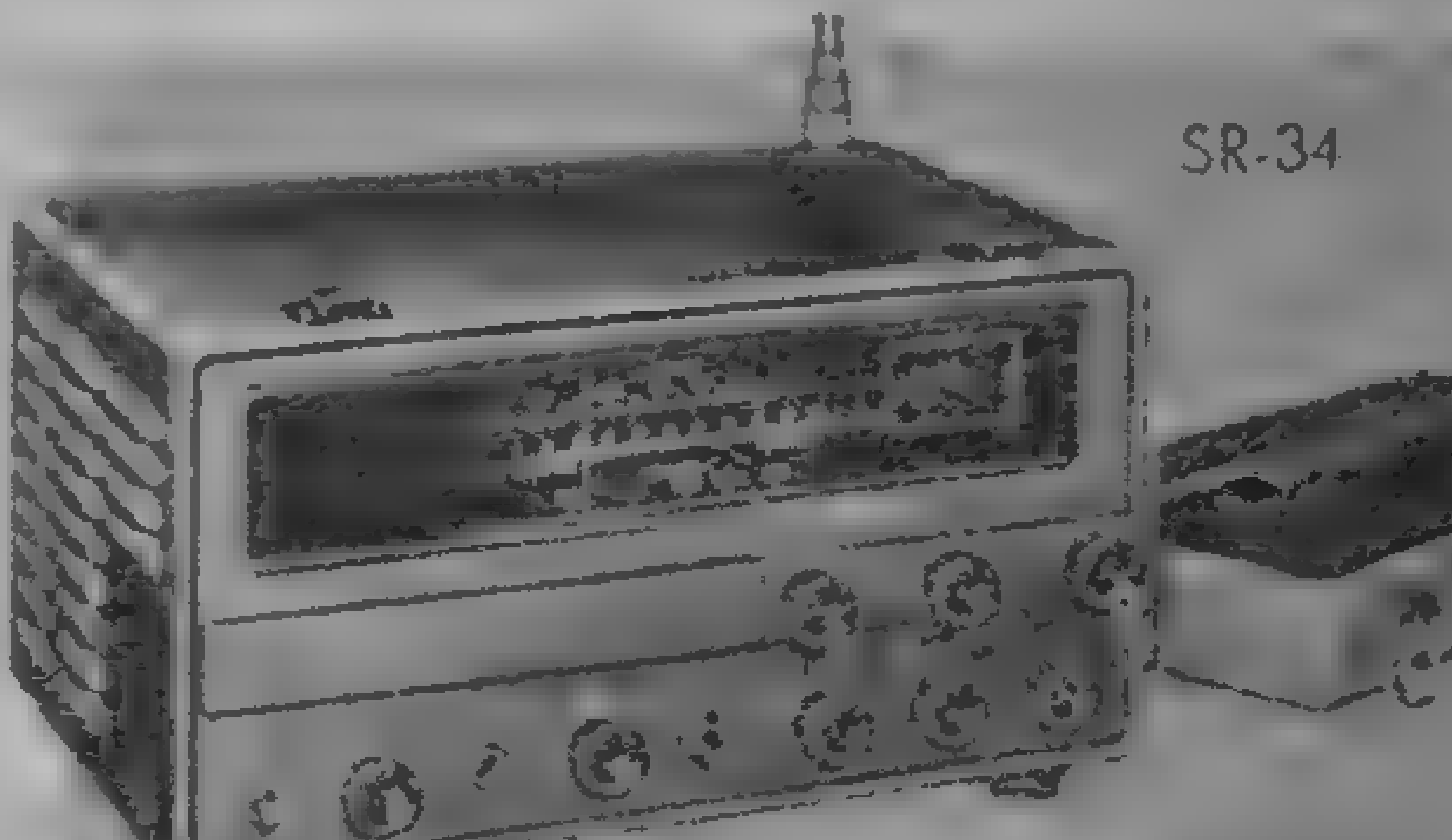
MODEL SR-34—AC ONLY. All features of SR-34 above, less cabinet cover and antenna, and for 110-120 volts, 50-60 cycle AC only. Shpg. wt., 32 lbs.
92 SU 397. *$10 Down.* NET....**395.00**

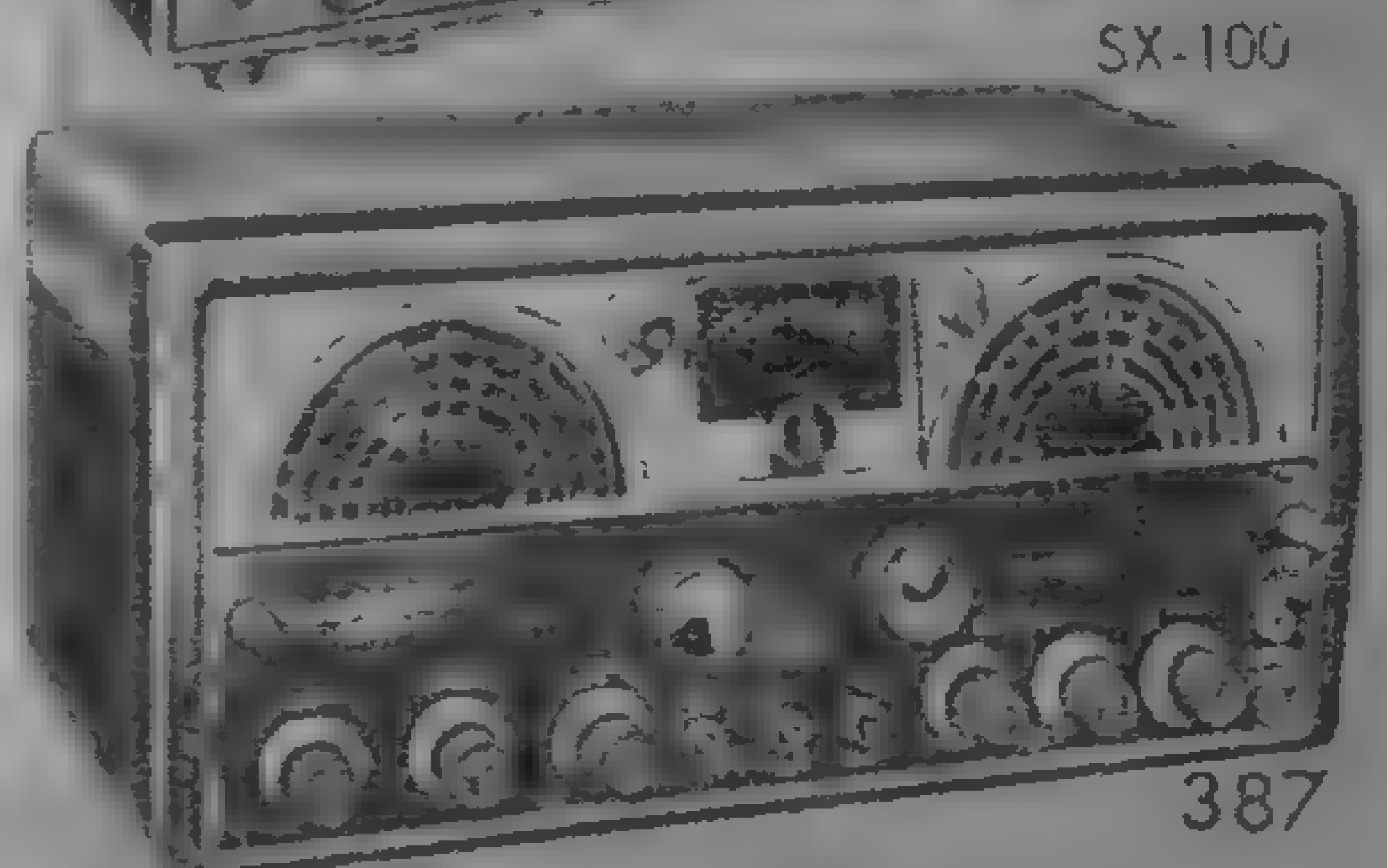
▣ ▣ SX-100 SELECTABLE SSB RECEIVER

The popular SX-100 communications receiver offers an array of outstanding features. In addition to selectable sideband and double conversion, it has adjustable 50.5 kc 2nd IF with 4 hi-Q permeability tuned circuits for high selectivity.

Covers 538 to 1530 kc and 1720 kc to 34 mc in 4 ranges. Other superb features are: 100-kc crystal calibrator, gear drive tuning, crystal controlled 2nd conversion oscillator. Controls: Antenna Trimmer, Notch Frequency, Notch Depth, Calibrator Off-On Sensitivity, Band Selector, Volume, Tuning, AVC Off-On, Noise Limiter Off-On, Bandspread, Selectivity, Pitch, Receive-Standby.

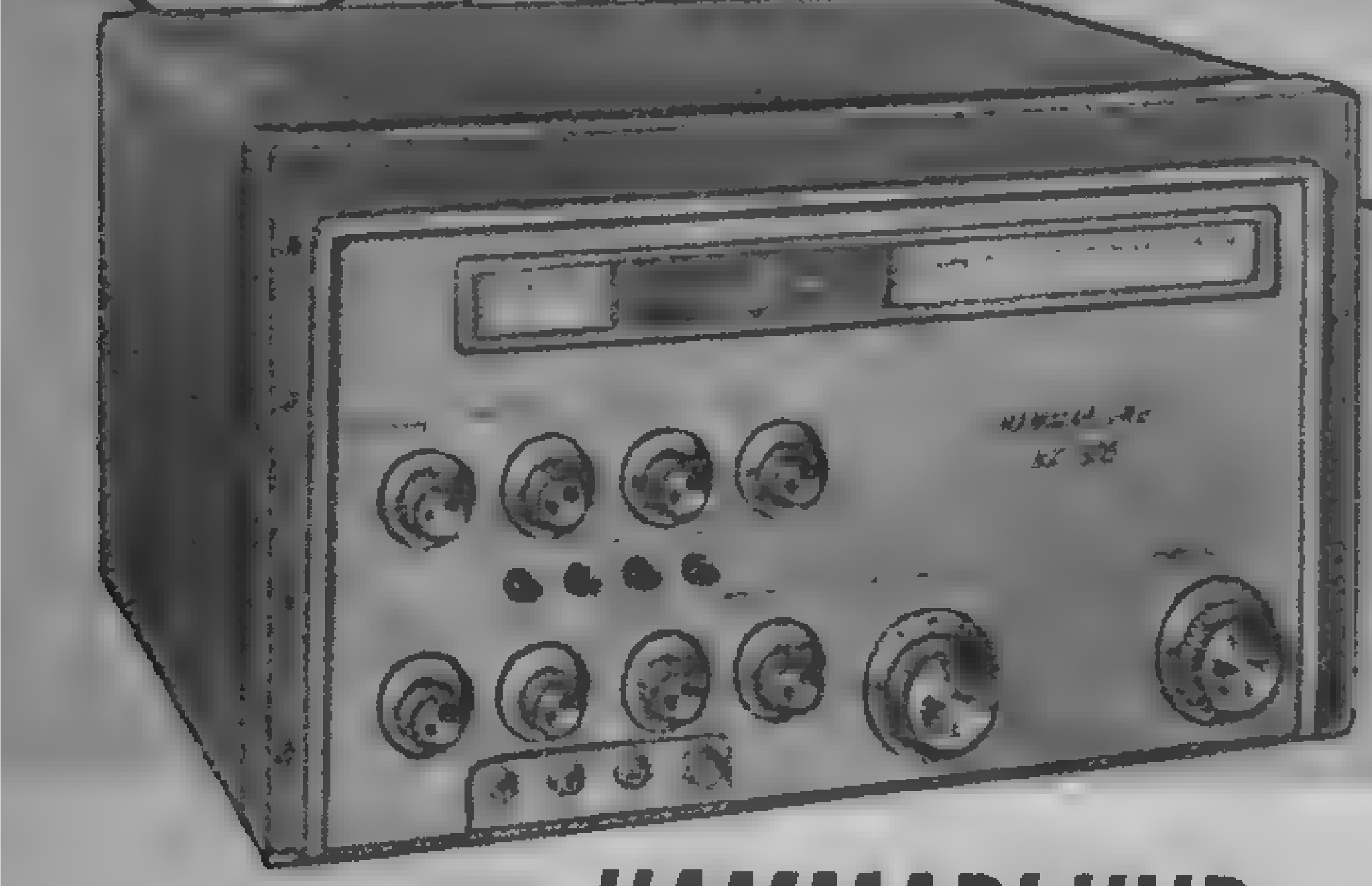
Outputs: 3.2 ohm, 500 ohm; headphones. Black metal case with chrome trim. Has 11 tubes plus VR and rectifier. 8½x18⅜x10⅝". For 105-125 v., 50-60 cycle AC. Less speaker. (See R-47 and R-48 on opposite page.) Shpg. wt., 43 lbs.
98 SU 769. *$10 Down.* NET....**295.00**





Allied Stocks All the Latest Hallicrafter Amateur Gear

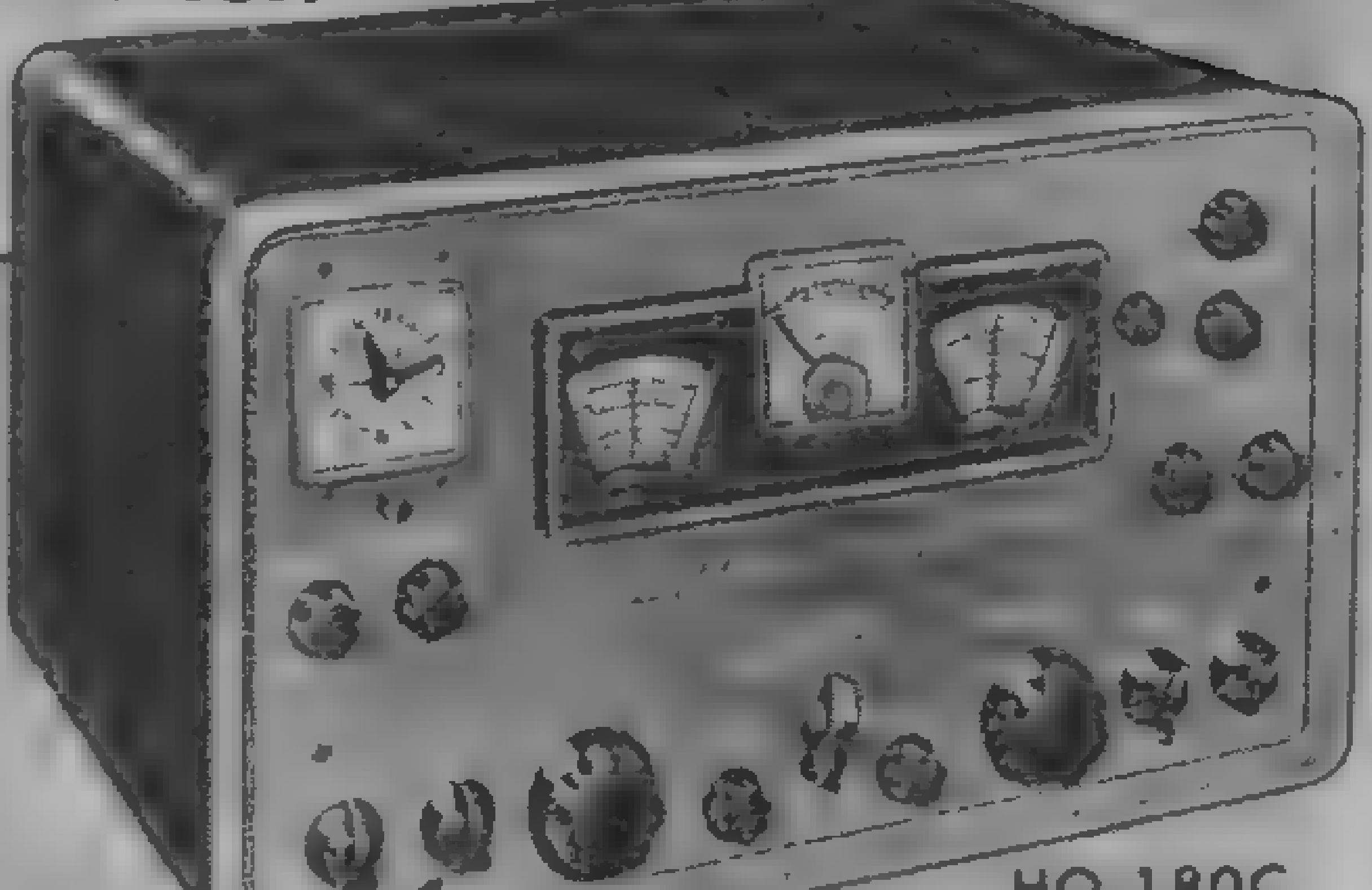
NEW! A COMPLETE SSB-AM-CW STATION



HX-500

only $10 down

A highly versatile pair—provide full facilities for SSB, AM, FM, CW, RTTY operation on 80 through 10 meters. Complete—Ready for operation!



HQ-180C

HAMMARLUND—Precision Products Since 1910

HAMMARLUND HX-500 TRANSMITTER

Long a leader in quality receiver design, Hammarlund now introduces a superb new transmitter, the HX-500. This husky unit offers SSB, DSB, AM, FM, CW, FSK for RTTY and 40 cps identification keyed shift. Output is 100 watts on SSB (P.E.P.), and CW, 25 watts on all other modes. Covers 80, 40, 20, 15, and 10 meters. All modulation except CW keying is done at 60 kc for superior stability—100 cps or better. Important features include: carrier suppression of 50 db or better; spurious frequencies down 50 db; unwanted sideband suppression, 50 db; built-in antenna changeover relay; separate dial scale for each band. Automatic audio level control eliminates overloading and frequency splatter. TVI proofed. Final consists of two 6146's in parallel; 50-ohm pi-network. 16 tubes, 4 rectifiers, VR. With crystals, less mike and key. 11½x19¼x16⅛". For 105-125 v., 50-60 cycle AC. Shpg. wt., 100 lbs.

77 SZ 366. *$10 Down.* NET........................695.00

▣ ▣ HQ-180C RECEIVER

An outstanding general-coverage, triple-conversion receiver featuring up-to-the-minute circuit design. The HQ-180C has every refinement for exceptional SSB, CW and AM performance. Covers 540 kc to 30 mc in 6 ranges. Bandspread calibrated for 80, 40, 20, 15 and 10 meters. Deluxe features include: crystal filter at 3035 kc for improved selectivity; crystal controlled 1st converter; 7 selectivity positions; BFO control of ±2 kc; slot filter; selectable AVC action; dial scale reset; 100-kc crystal calibrator; automatic noise limiter; and clock timer. Has linear product detector for CW and SSB; diode AM detection. "Auto-Response" circuit automatically varies audio passband to fit receiving conditions. 16 tubes, VR, rectifier. 10½x19x13". For 110-120 v., 60 cycle AC. 45 lbs.

77 SX 895. *Only $10 Down.* NET....................439.00

77 SX 894. HQ-180. As above, less clock. NET...........429.00

▣ HAMMARLUND HQ-170C RECEIVER

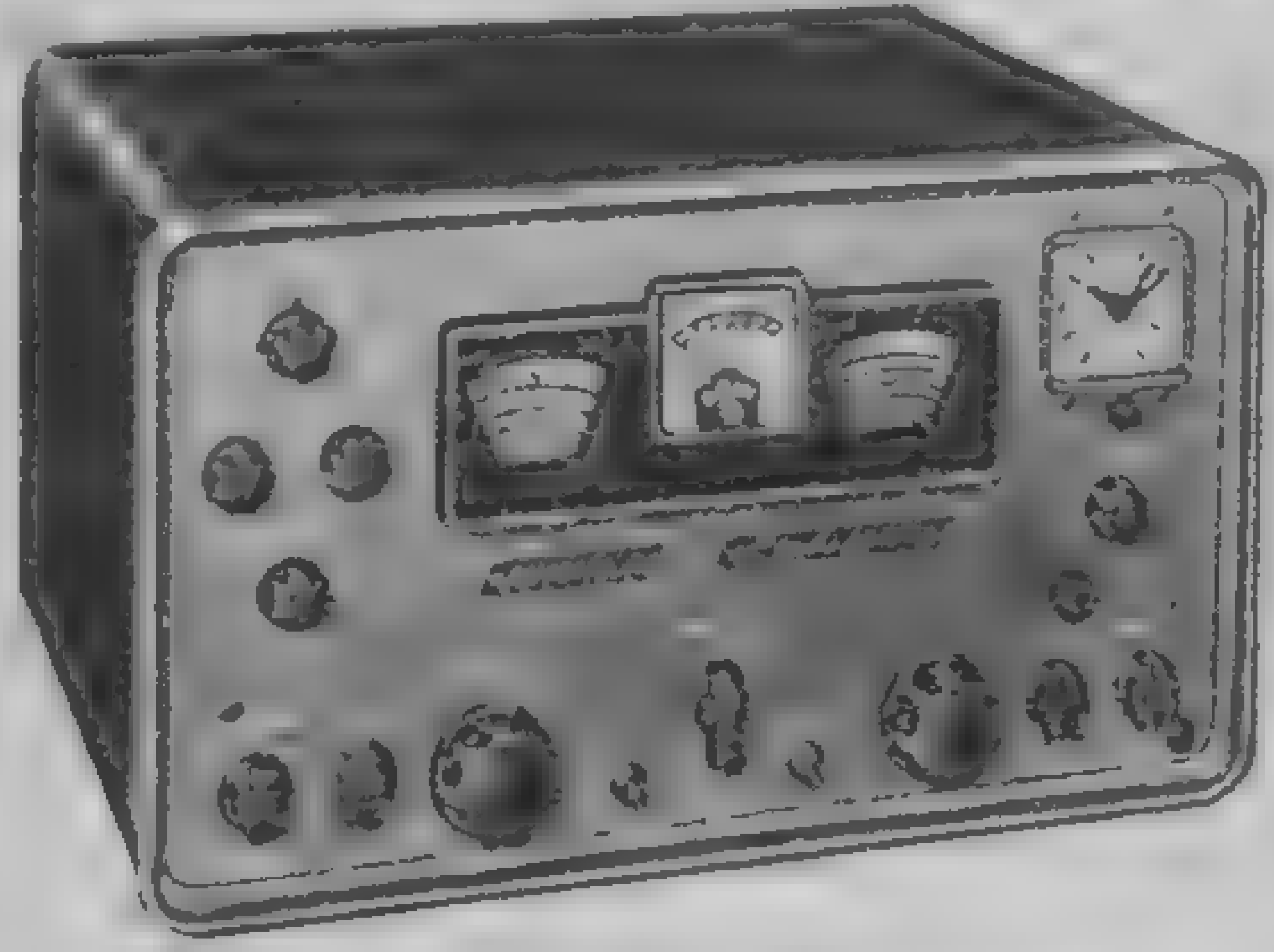
Deluxe, triple-conversion, Amateur-band receiver. Expert design is highlighted by razor-sharp slot filter; separate linear product detector; ±3-kc SSB vernier tuning; 3 AVC delay speeds. Also features automatic audio passband control, sideband selector, 100-kc calibrator, dial reset, "S" meter, automatic clock-timer. Notch filter adjustable ±5-kc for over 40 db attenuation, depth control offers up to 20 db more—notch 1.5 kc wide at 6 db. IF's at 3055, 455, and 60 kc from 6-40 meters, dual conversion on 80 and 160 meters. 15 tubes, rectifier, VR. FCDA No. R-16. 10½x19x13". Less speaker, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 45 lbs.

92 SU 347. *$10 Down.* NET....369.00

HQ-170. As above, less clock-timer.

92 SU 477. *$10 Down.* NET......359.00

83 SX 599. S-200. Matching speaker. 11x12x9". Shpg. wt., 9½ lbs. NET 19.95

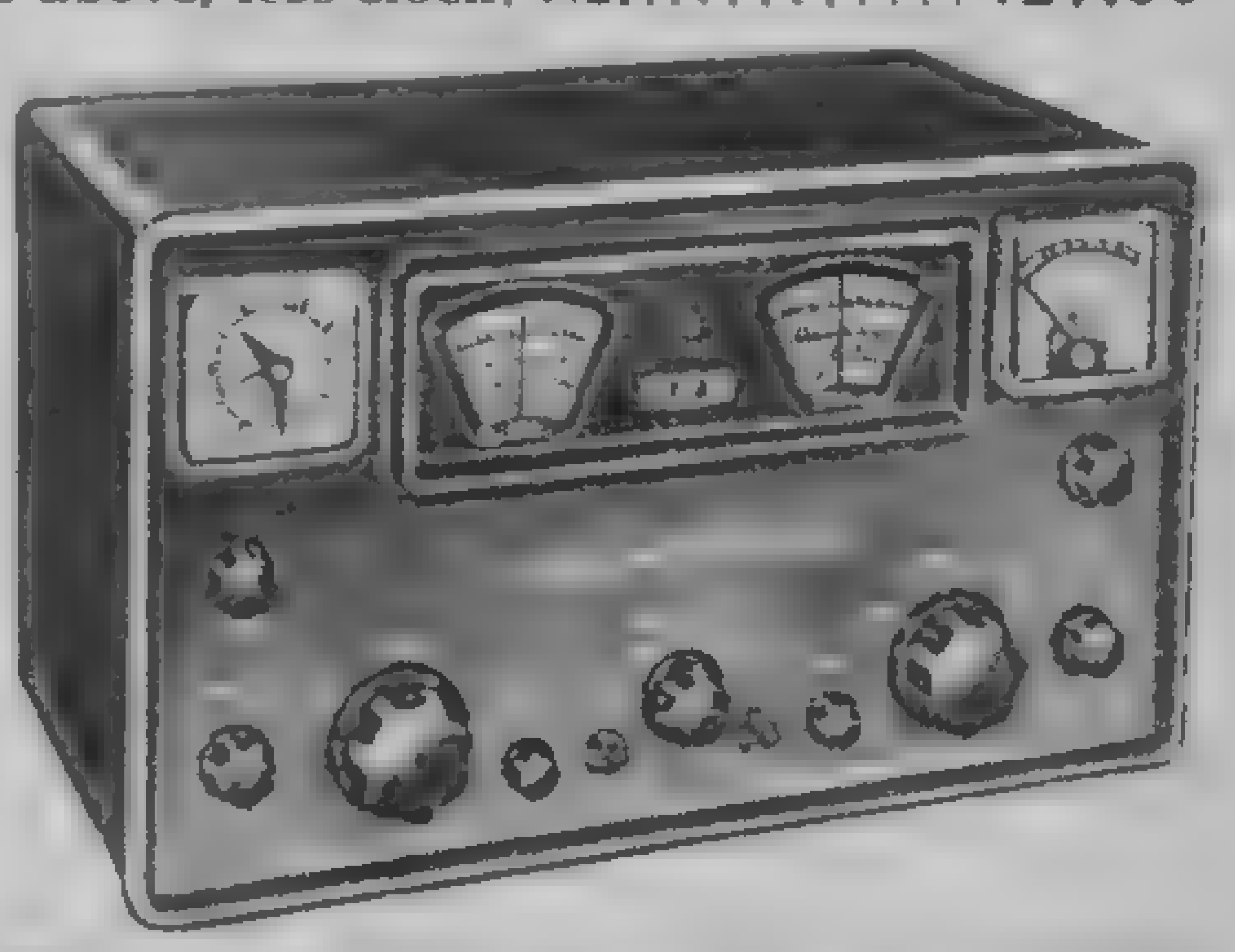


▣ ▣ HAMMARLUND HQ-145C RECEIVER

Ideal for Amateurs desiring general coverage, or for short-wave listeners who insist on commercial-quality performance. This 11-tube superhet features an improved noise limiter and covers 540 kc to 30 mc in 4 bands. Has dual conversion from 10-30 mc; crystal filter with 6-position switch; calibrated electrical bandspread on 80-10 meter Ham bands; 10:1 signal-to-noise ratio with 1.75 µv AM signal or 0.5 µv CW signal. Slot filter provides up to 60 db attenuation. Slot is adjustable ±5-kc from center frequency of 455 kc IF. Automatic audio passband control. Has Telechron clock-timer; regulated power supply. 10½x19x13". Less speaker (see S-200 at left). For 105-125 v., 50-60 cycle AC. Shpg. wt., 42 lbs.

77 SU 775. *$10 Down.* NET.... 279.00

77 SU 776. HQ-145. As above, but less clock-timer. NET..................269.00



▣ HAMMARLUND HQ-110C RECEIVER

A handsome, dual-conversion receiver designed specifically for the Ham. Provides superb reception on SSB, CW and AM—full dial coverage of 160, 80, 40, 20, 15, 10 and 6 meters. Has electrical bandspread tuning with direct dial calibration on all bands, "Q" multiplier, 100-kc crystal calibrator, separate linear detector for SSB and CW, dial scale reset, automatic clock-timer. Separate BFO is stabilized for SSB and CW reception. Dual conversion from 6-40 meters. Sensitivity: 1.5 µv for 10 db signal-to-noise ratio. 10 tubes, rectifier, VR. FCDA No. R-16. 9⁷⁄₁₆x9⅛x16¼". Less speaker, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 31 lbs.

94 SU 822. *$10 Down.* NET....259.00

94 SU 821. HQ-110. Above, less clock-timer. NET......................249.00

94 SX 828. S-100 Matching 6x9" Speaker. Shpg. wt., 10 lbs. NET.............14.95

HQ-100C

only $10 down

▣ ▣ HAMMARLUND LOW-COST HQ-100C RECEIVER

A highly popular communications receiver offering Hammarlund quality at a moderate cost. Covers 540 kc to 30 mc in 4 bands. Features include: "Auto-Response" circuit to adjust audio bandwidth automatically to fit receiving conditions; "Q" multiplier for selectivity variable from 100 cps to 3 kc; high sensitivity—less than 2 µv for 10 db signal-to-noise ratio; voltage regulated, temperature-compensated high-frequency oscillator for extra stability; calibrated electrical bandspread; built-in clock-timer; and accurate "S" meter. Tube lineup: 6BZ6 RF amplifier, 6BE6 mixer, 6C4 HF oscillator, 2—6BA6 IF's, 6AL5 detector/automatic noise limiter, 12AX7 audio amplifier/Q multiplier/BFO, 6AQ5 output; 5Y3 rect., OB2 VR. Attractive die-cast aluminum front panel. Entire cabinet is perforated for excellent ventilation. FCDA No. R-16. Size 9⁷⁄₁₆x16¼x9⅛". Less speaker (above). For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 31 lbs.

94 SU 829. *$5 Down.* NET......199.00

HQ-100. As above, but less clock-timer.

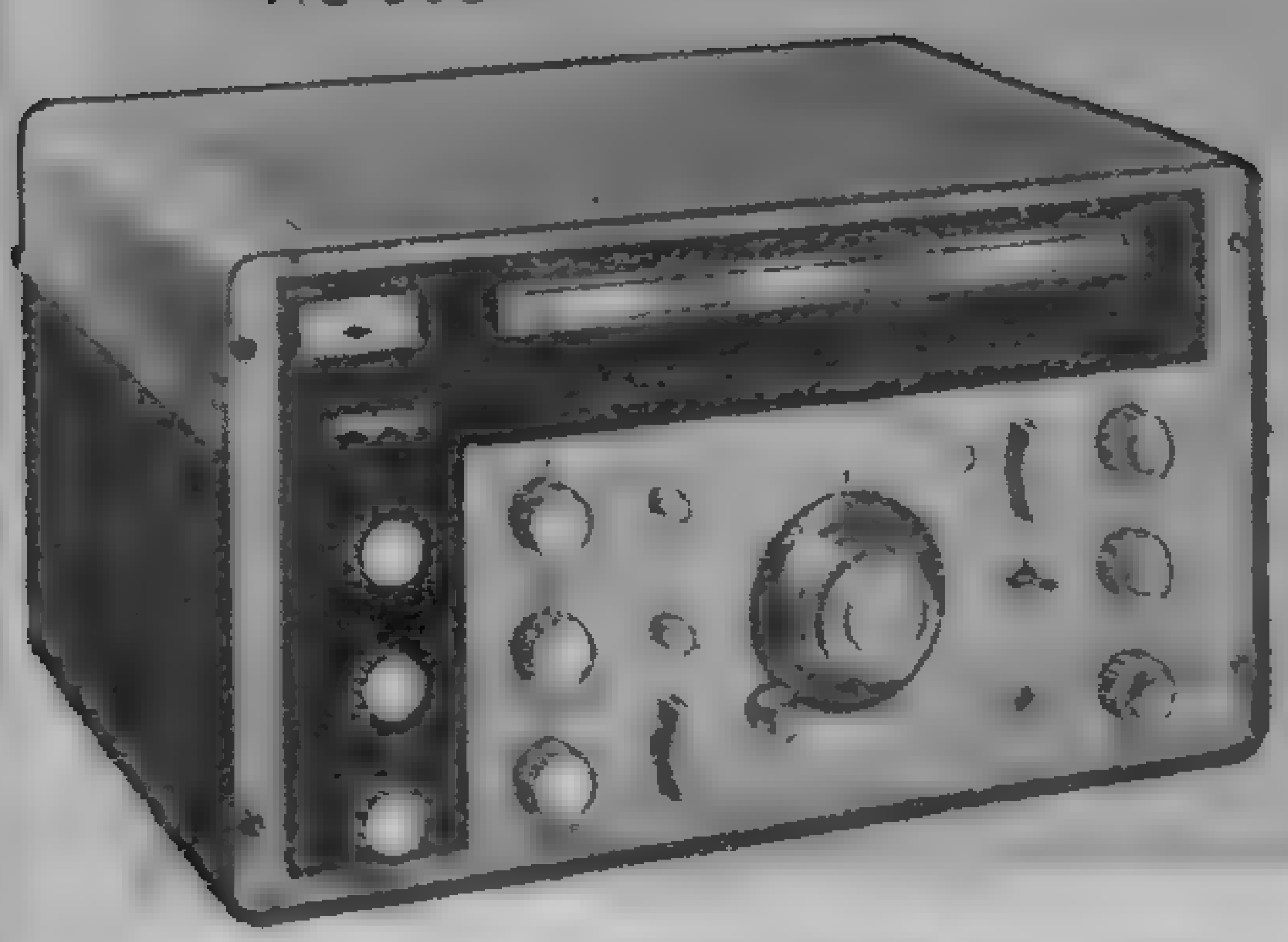
94 SU 827. *$5 Down.* NET.......189.00

HAMMARLUND XC-455 CRYSTAL-CONTROLLED BFO. For superb single-signal CW reception. Shpg. wt., 1 lb.

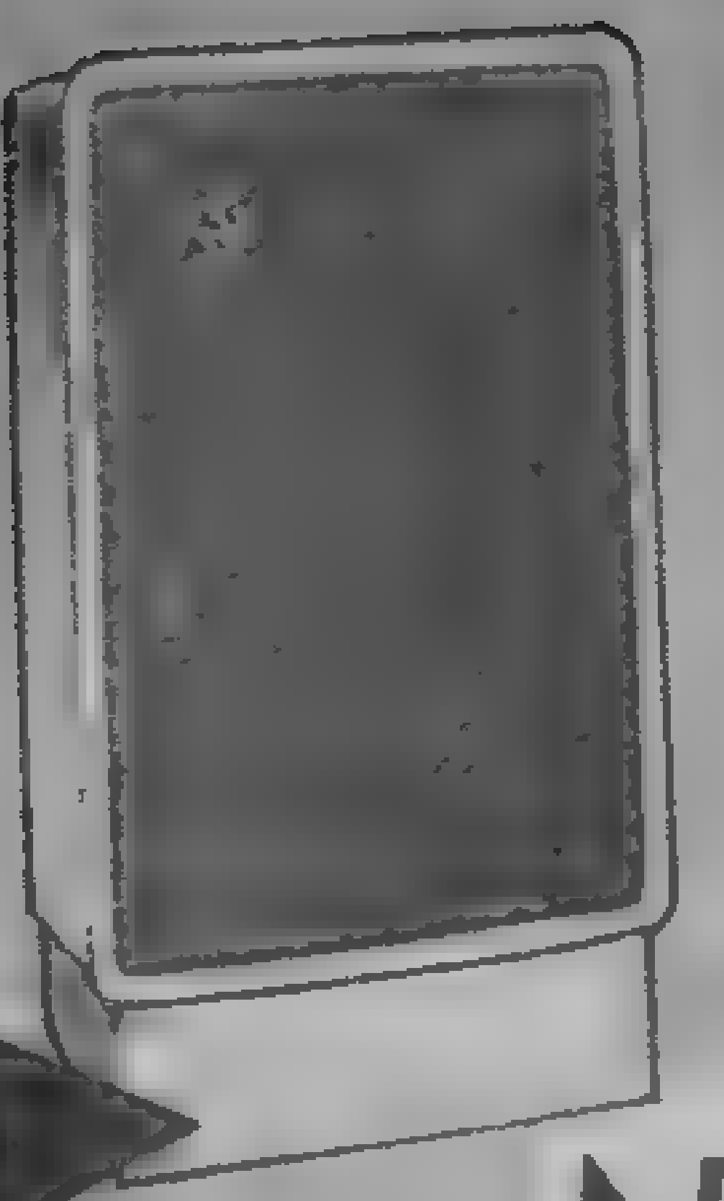
94 S 824. NET 15.95

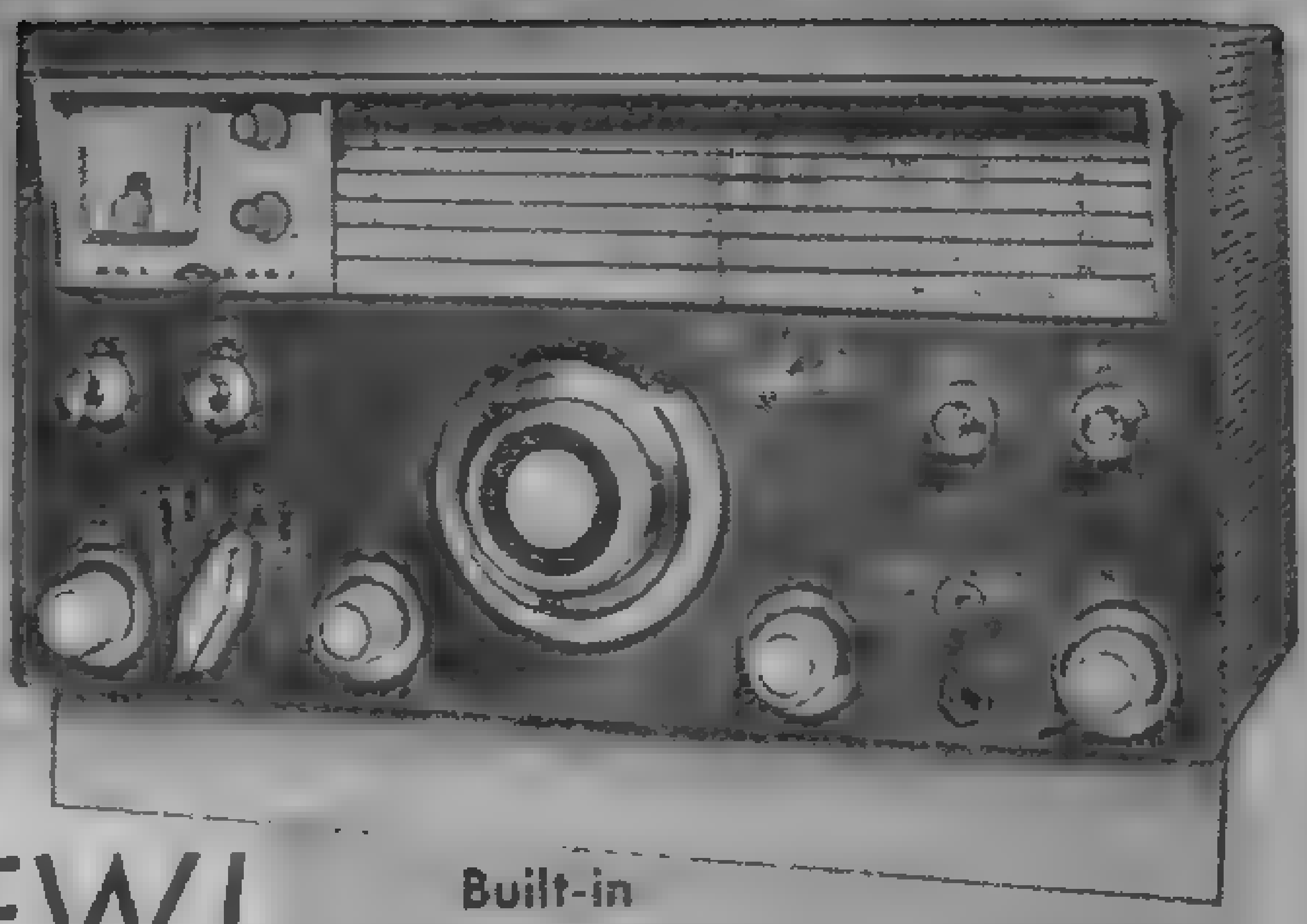
Items with U or Z in Stock Number Shipped Truck or Express

NC-303



Sensitive, Highly Stable—Tunes 160 to 10 Meters





NEW! Built-in Crystal Calibrator

NC-270

NATIONAL—Precision Receivers "Tuned To Tomorrow"

▣ NC-303 RECEIVER

Deluxe Amateur-band receiver featuring extreme mechanical and electrical stability. Covers 160-10 meters; 160-1¼ meters and WWV with units below. Dual conversion with 5 positions of selectivity—sharp down to 400 cycles, to 8 kc at 6 db down. Instant upper-lower sideband selection. "Q" multiplier provides 60-db tunable notch. Separate noise limiters for AM and CW-SSB. Vernier dial. 11¼x19½x15". For 110-120 v., 50-60 cycle AC. Shpg. wt., 64 lbs.

92 SZ 384. *$10 Down.* NET........................449.00

*Units below for NC-300 or 303. *NC-303 only.*

Stock No.	Type No.	Description	Lbs.	NET
83 S 870	NC-300C6A	Converter for 6 meter band	2	41.95
83 S 871	NC-300C2	Converter for 2 meter band	2	43.95
83 S 872	NC-300C1	Converter for 1¼ meter band	2	45.95
83 S 873	NC-300XCU-2	100-kc crystal calibrator	1	23.95
83 S 898	XCU-303*	Crystal/WWV calibrator	1½	34.95
83 SX 897	NTS-2	Matching speaker	12	21.95

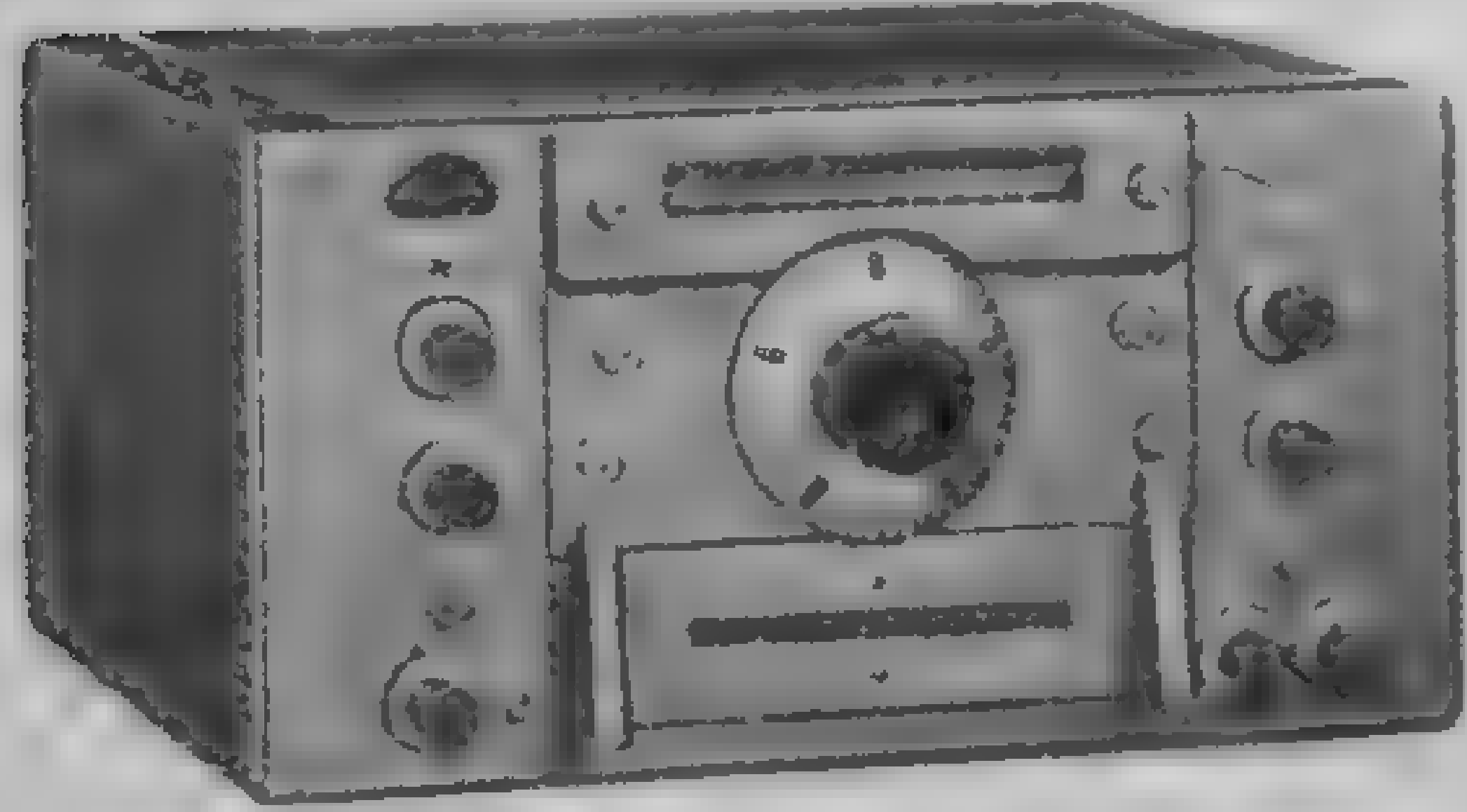
▣ NEW NC-270 RECEIVER

Precision-made, dual-conversion receiver offering deluxe features the serious operator desires, at a surprisingly low price. Covers 80, 40, 20, 15, 10, and 6 meter Amateur bands. Features a built-in 100-kc crystal calibrator; patented "Ferrite Filter" for instant sideband selection and choice of 5 bandwidths for excellent selectivity; sensitivity of better than 1.5 μv for 10 db S/N ratio; ANL, "S" meter plus all regular controls and features of top-quality communications gear. Tuning control has 12:1 ratio with pinch-type drive for precise inertia tuning. Has separate linear diode detector for AM; heterodyne detector with separate BFO for CW. Ceramic coil forms, double-spaced tuning gang and full ventilation provide exceptional stability. Less speaker, below. 9 tubes, rectifier. 8⅝x15⅝x9" For 105-125 v., 50-60 cycle AC. Shpg. wt., 28 lbs.

78 SZ 150. *$10 Down.* NET........................249.95

MATCHING SPEAKER. 8⅝x5⅝x4⅝". Wt., 5 lbs.

78 SX 151. NET........................19.95



▣ ▣ HRO-60 RECEIVER

Superb sensitivity, remarkable selectivity and extreme stability. Covers 50 kc to 54 mc with suitable coils. Dual conversion above 7 mc. Has 2 RF stages, 4 IF stages, 12 permeability-tuned IF circuits and a 6-step crystal filter. Selectivity variable from 80 cps to 3.5 kc at 6 db points. Plug-in coils supplied provide general coverage from 1.7-30 mc or bandspread on 80, 40, 20 and 10 meters. 15 tubes plus rectifier and regulators. *FCDA No. R-12/R-14.* 19¾x10½x17". For 115/230 v., 50-60 cycle AC. Less speaker. Shpg. wt., 84 lbs.

97 SZ 722. *$10 Down.* NET....745.00

MATCHING 10" TABLE SPEAKER. 10 lbs.

97 SX 663. *$2 Down.* NET.........19.95

HRO-60-XCU-2. Crystal calibrator. Wt., 1 lb.

97 S 717. *$2 Down.* NET . . . 29.95

NFM-83-60. NFM adapter. Shpg. wt., 1 lb.

97 S 719. *$2 Down.* NET.... .....33.95

HRO-60-AC. 15-m. bandspread coil. 2½ lbs.

97 S 789. *$2 Down.* NET..........49.95

HRO-60-E. 900-2050 kc coil. Wt., 2½ lbs.

98 S 048. *$2 Down.* NET...........49.95

HRO-60-F. 480-960 kc coil. Wt., 2½ lbs.

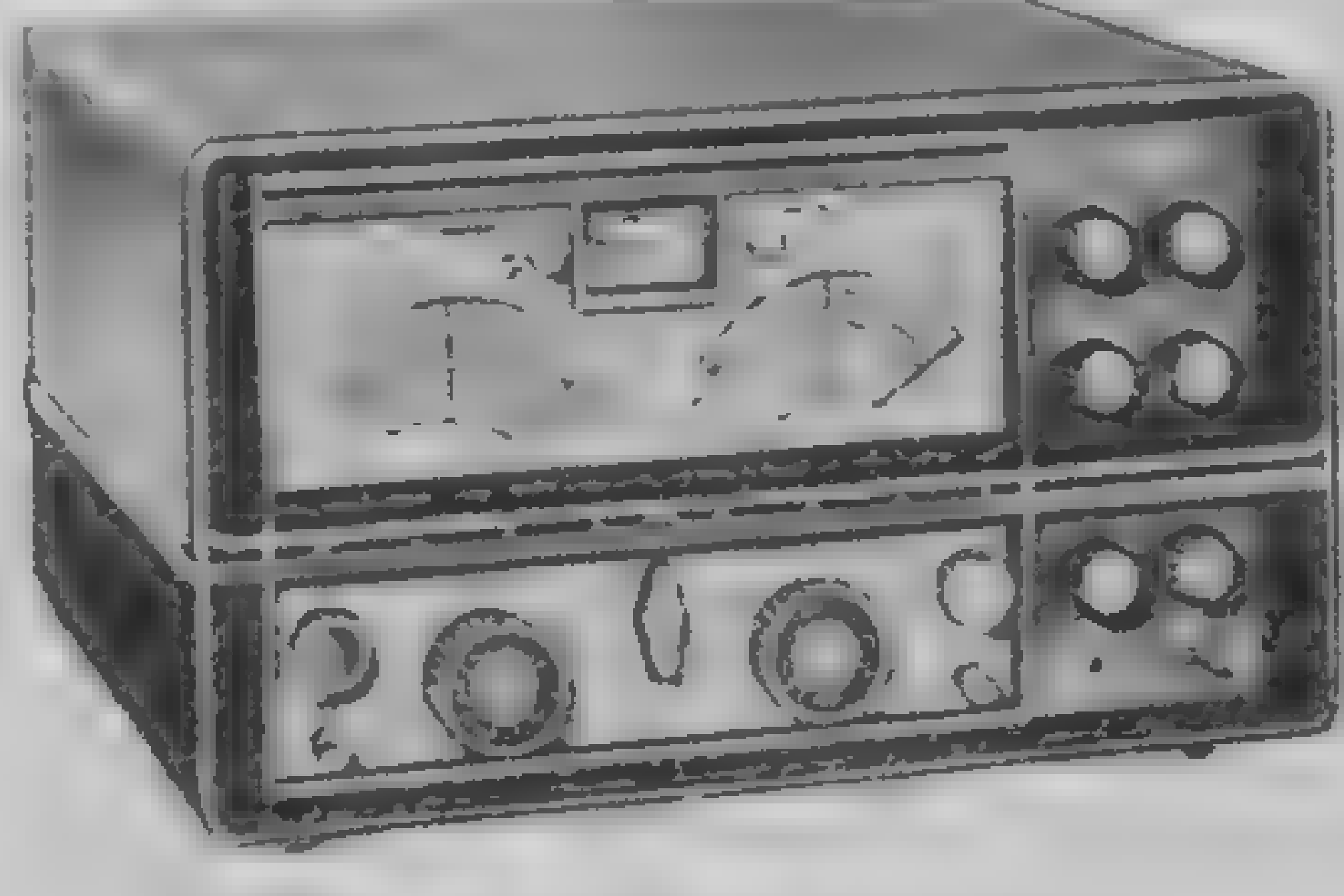
98 S 049. *$2 Down.* NET........ . 49.95

KING SIZE TRADES ...
... EASY PAY TERMS

Allied offers giant trade-in allowances. For a terrific deal write our Ham Shack and tell us what you would like . . . and what you have to trade. You'll receive a prompt reply.

▣ Indicates Ham Bands Only,

▣ ▣ General Coverage, Ham and SWL



▣ ▣ NC-400 RECEIVER

An outstanding communications receiver. Extremely sensitive and selective. Exceptional stability—only.002% long-term drift after warm-up. Covers 540 kc to 31 mc in 7 bands. Has two RF stages; "S" meter. High frequency oscillator may be tuned manually, crystal controlled or fed from an external oscillator. Separate detectors are provided for AM or CW and SSB. AGC voltage is continuously fed to four stages of RF and IF amplification. Automatic noise limiter on AM reception. For CW and SSB a double-ended manual noise limiter is provided. 16 tubes plus rectifier and regulator. Less speaker. 11¼x19½x17". For 110-120 v., 50-60 cycle AC. 72 lbs.

77 SX 800. *$10 Down.* NET....895.00

NTS-2 MATCHING SPEAKER. 12 lbs.

83 SX 897. *$2 Down.* NET.........21.95

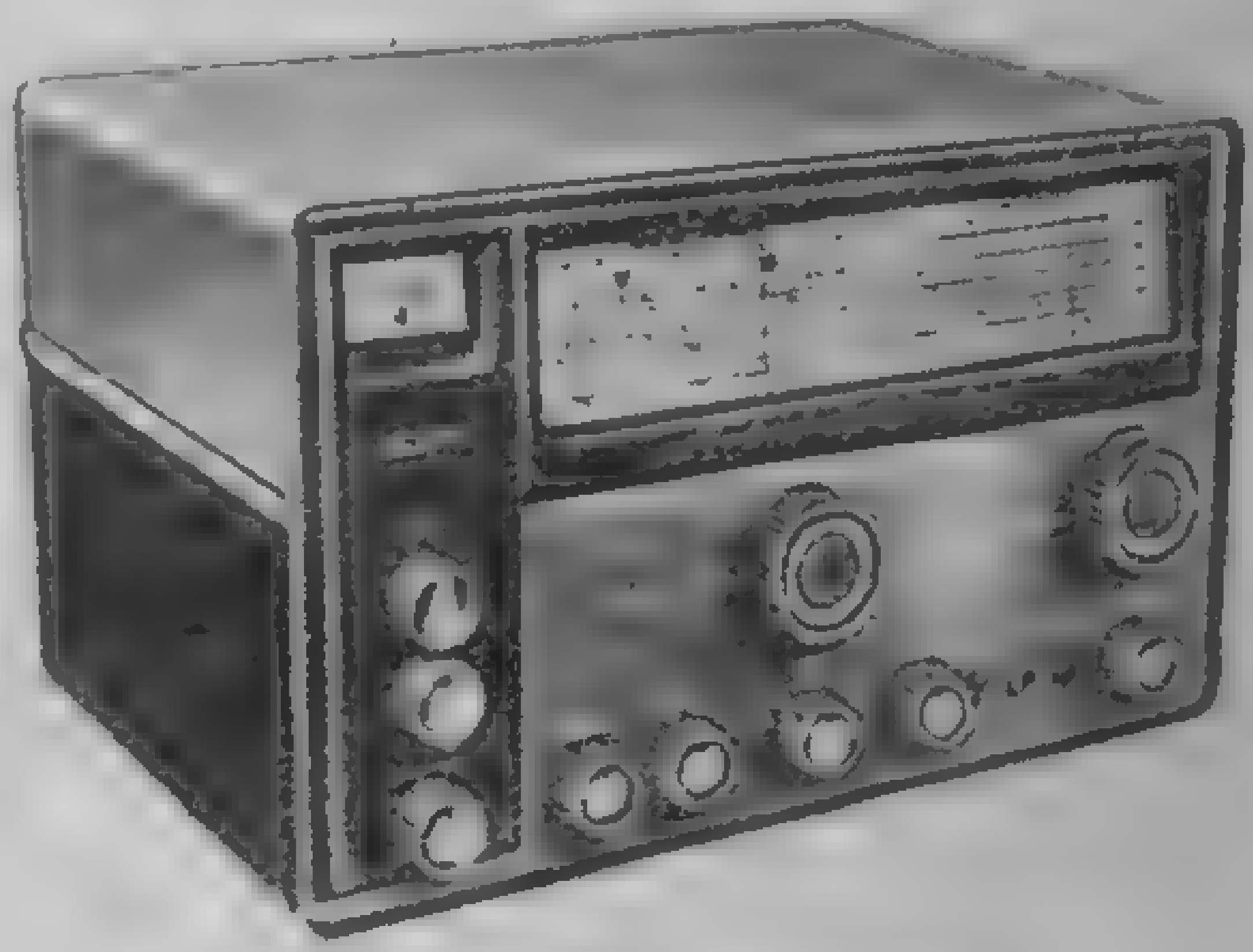
▣ ▣ NC-60 "SPECIAL" RECEIVER

A modern, ultra-compact communications receiver at low cost. An excellent choice for newcomers in Ham Radio or SWL's. Has greatly increased sensitivity and full electrical bandspread. Provides continuous coverage from 540 kc to 31 mc.

Has a large slide-rule dial with marine, aircraft, Amateur and foreign short-wave frequencies clearly marked. Has phone jack, built-in speaker. Selectivity: 5 kc at 6 db down. Controls: tuning, bandspread, off/on-volume, band selector, AM/CW switch, standby/receive switch.

Antenna input: 50-300 ohms. 7⅜x13½x8⅝". For operation from 110-120 v., AC or DC. Shpg. wt., 15 lbs.

92 SU 385. *$5 Down.* NET 59.95



▣ ▣ NC-109 RECEIVER

Top-value, general coverage receiver for SSB, AM or CW. Features a separate product detector and "Microtome" crystal filter for 5 degrees of selectivity. Sharp phasing notch is over 60 db deep. Covers 540 kc to 40 mc in 4 bands. 1-2 μv sensitivity for 10 db S/N ratio. Controls: Main tuning; bandspread tuning; antenna trimmer; band selector switch; RF gain; AC off-on and AF gain; stand-by; mode selector; (ANL, AM, CW, SSB, ACC); tone; BFO pitch; selectivity; phasing. 10x16¹³⁄₁₆x10⅞". Less speaker. For 110-120 v., 50-60 cycle AC. 35 lbs.

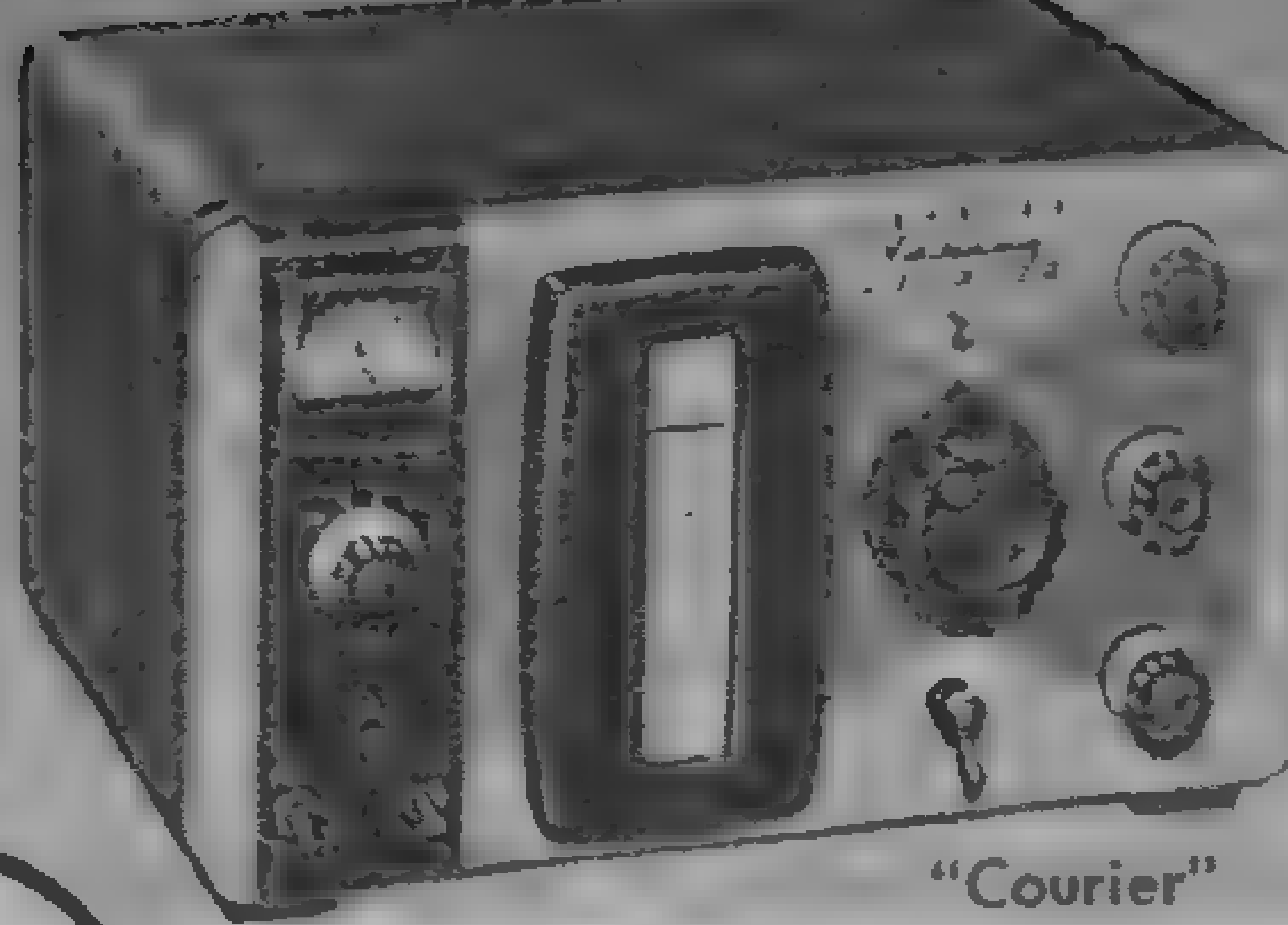
94 SU 834. *$5 Down.* NET.......169.95

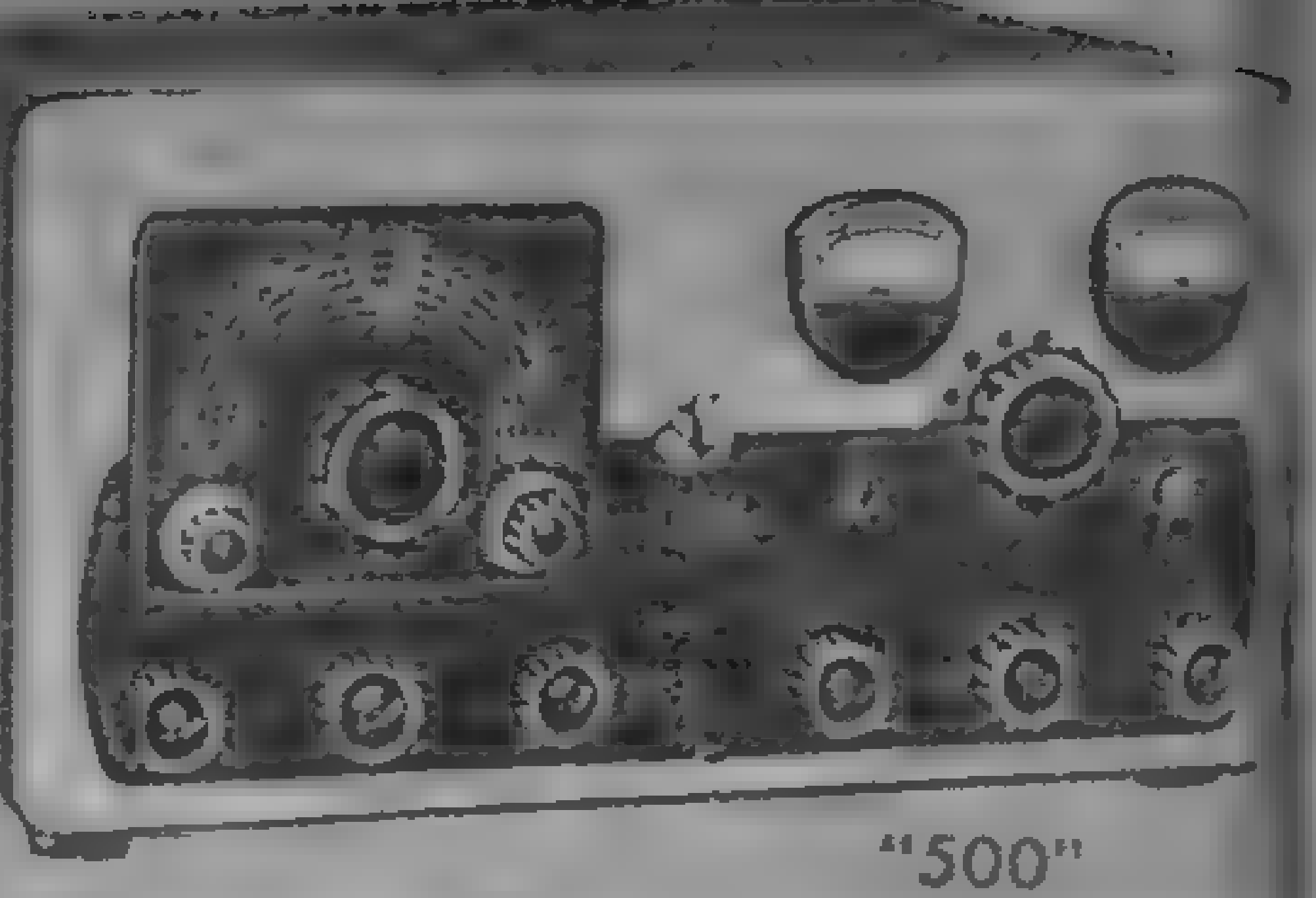
94 SX 835. NTS-1. 8" Speaker. Matches NC-109 and NC-188. 10 lbs. NET...17.50

Ideal For Novices And Short-Wave Listeners

$5 down

"6N2 Thunderbolt"


"Courier"


"500"

only $10 down

JOHNSON *Viking* Transmitters . . .

SSB TRANSMITTERS AND LINEAR AMPLIFIERS

2000 WATTS P. E. P.!

VIKING "THUNDERBOLT"

- SSB, AM, CW Operation
- 800 Watts On AM Linear
- Covers 3.5 To 30 Mc

MODEL 240-353-2. Compact, bandswitching linear amplifier—provides 2000 watts P.E.P. on SSB to smash through the QRM. Gives maximum "talk power" on all Amateur bands from 3.5 to 30 mc. Has a full kw input on CW, 800 watts on AM linear. Completely self-contained—a highly efficient, flexible, table-top unit.

Drive requirements are 10 watts in class AB2 linear and 20 watts CW. May be used with medium-power transmitters when power reducer is inserted.

Features complete TVI suppression: All outgoing leads have complete shielding and double "L" section filters. Cabinet is electrically sealed with monel braid; cup-type shields seal the meters; all harness leads and filaments are by-passed.

Output circuit employs two 4-400A tetrodes in parallel, bridge neutralized. Pi-network matches 40 to 600-ohm loads. Two built-in fans cool filament and plate seals for extended tube life. Meters provide a constant check of every important phase of operation. Power supply section includes four VR tubes for screen voltage regulation. In sturdy maroon and gray steel cabinet. Size, 11⅝x21x14¼". For 115 or 230 v., 50-60 cycle AC. Shpg. wt., 140 lbs.

94 SZ 863-3. *$10 Down.* NET...**589.50**

MODEL 240-353-1. As above, but in kit form.

83 SZ 894-2. *$10 Down.* NET.....**524.50**

VIKING "6N2 THUNDERBOLT"

MODEL 240-362-2. Efficient "6N2 Thunderbolt" power amplifier provides 1200 watts P.E.P. on SSB, 1000 watts input on CW and 700 watts input on AM for both the 6 and 2 meter bands. Can be driven with the "6N2" transmitter, Communicators or other units of comparable output. Drive requirements are approximately 5 watts for Class AB₁ linear or 6 watts for Class C. CW operation.

Final amplifier stage employs two bridge neutralized RCA 7034 coaxial type tetrodes for improved efficiency and stability. High capacity blower system efficiently cools final amplifier tubes—effectively extends tube life. Unique "Hi-Q" coaxial line, silver-plated anode, inductors, capacitors, switch and enclosures provide outstanding efficiency.

Wide-range pi network output on both 6 and 2 meters matches transmission line impedances from 30 to 300 ohms. Unit is completely self-contained with high-voltage power supply, internal blocking bias, voltage regulator, screen and bias supplies. Plate current meter also reads input watts and a second meter reads grid current, plate voltage, RF output and screen current. 11⅝x21x16⁷⁄₁₆". For 115 or 230 v., 50-60 cycle AC. Shpg. wt., 140 lbs.

77 SZ 840-2. *$10 Down.* NET...**589.50**

MODEL 240-362-1. As above, but in kit form.

77 SZ 841-2. *$10 Down.* NET....**524.50**

VIKING "KILOWATT" AMPLIFIER

MODEL 240-1000. (Not illus.) Superbly engineered 1000-watt power amplifier for SSB, AM or CW operation. Provides continuous coverage from 3.5 to 30 mc. Requires 30 watts RF and 10 watts audio for AM; only 2-3 watts peak envelope power for SSB excitation. Has pi-network output, effective TVI suppression. Two 4-400A's in RF amplifier, two 810 modulators. Can be operated at low power input with the flip of a switch. Mounted in pedestal, 29½x19¾x32⅞". For 115 or 230 v., 50-60 cycle AC. *Write for brochure.* Shpg. wt., 500 lbs.

99 SZ 035-3. NET............**1595.00**

MODEL 251-101. Matching desk top, back and 3-drawer pedestal. Specify right or left pedestal. *Net F.O.B. Chicago or Cary, Pa., whichever is nearer. Allow 30 days for delivery.* Shpg. wt., 155 lbs.

99 SZ 034. NET...... . ...**132.00**

VIKING "COURIER"

MODEL 240-352-2. High-efficiency linear amplifier—delivers a solid half-kilowatt P.E.P. SSB or CW, 200 watts AM linear. Provides continuous, bandswitched coverage of 3.5 to 30 mc. Completely self-contained. Drive requirements are 5 to 35 watts, depending on mode and frequency of operation. An ideal mate for low-power transmitters such as the Viking "Ranger," or may be used with medium-power units by inserting power reducer.

Features include: single control for tank coil and plate tuning capacitor, pi-network output to match 40-600 ohm loads, full TVI suppression, exceptional stability. Two 811A's in final. Built-in blocking bias is provided for SSB linear operation. 9⅝x15½x14". For 110-120 v., 50-60 cycle AC. Shpg. wt., 68 lbs.

94 SZ 861. *$10 Down.* NET.....**289.50**

VIKING "500" TRANSMITTER

MODEL 240-500-2. A flexible all-band transmitter for 80-10 meters. Perfect for SSB—provides 500 watts P.E.P. with 3-watt auxiliary SSB exciter. Input power is 500 watts on AM; 600 watts on CW. Housed in two separate cabinets. RF unit is in a cabinet small enough to be placed on your operating desk beside your receiver—all transmitter controls are conveniently located on this unit. The compact power supply/modulator unit may be placed in most any convenient location.

All exciter stages are ganged-tuned to the stable VFO—transmitter also has provision for crystal control. Has voltage failure protection and time delay. Pi-L output circuit with silver-plated final tank coil provides excellent harmonic suppression; loads virtually any antenna system. Two meters permit convenient monitoring of all transmitter functions.

Audio system includes phone patch and low-level clipping. Completely TVI suppressed. Has time-sequence keying for fast CW break-in. Efficient cooling fan extends tube life.

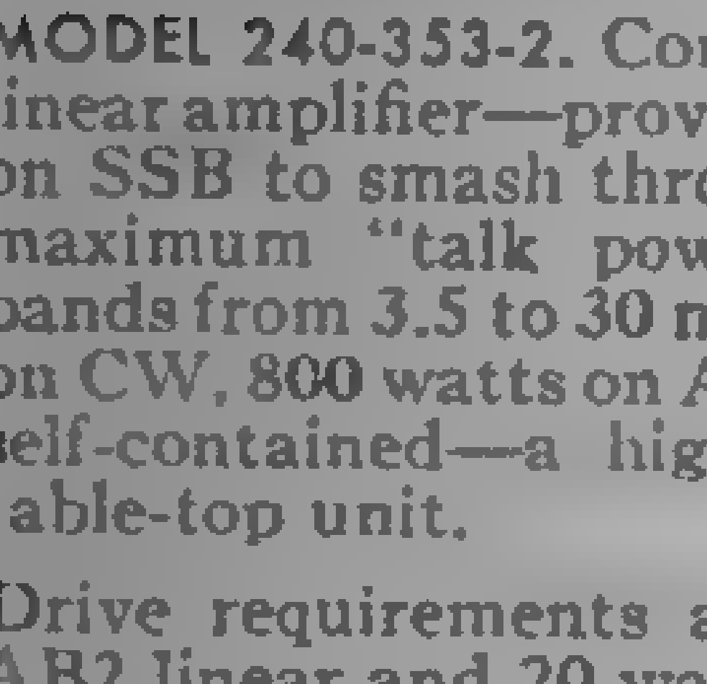
Size of RF unit, 11⅝x21x14½". Size of power supply/modulator unit, 10⅞x20⅜x15¾". For operation from 115 or 230 volts, 50-60 cycle AC. Shpg. wt., 200 lbs.

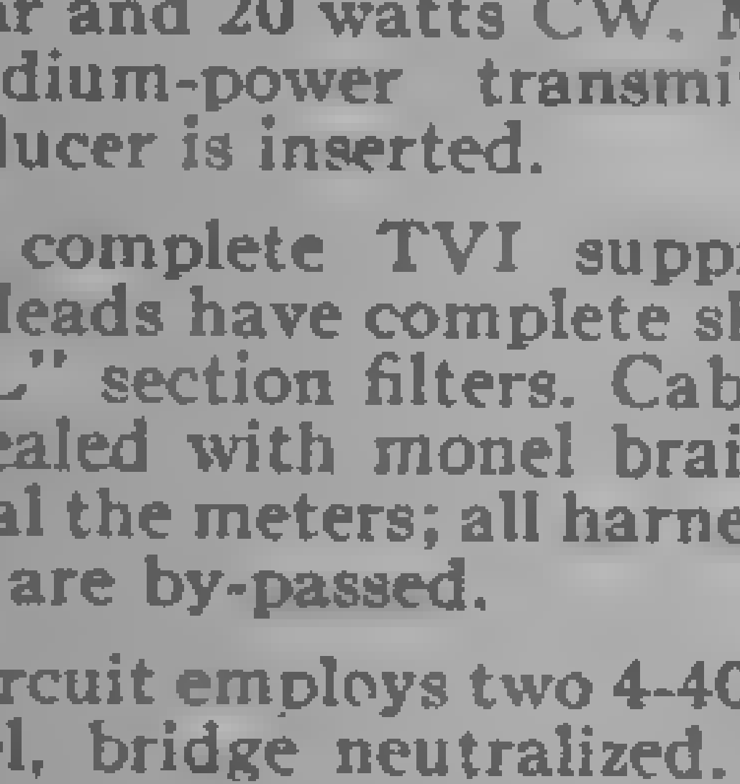
94 SZ 854-2. *$10 Down.*NET....**949.50**

MODEL 240-500-1. As above, but in kit form.

83 SZ 846-2. *$10 Down.* NET.....**749.50**

HIGH-STABILITY VIKING VFO (KITS OR WIRED)





MODEL 240-133-1 "6N2". 6 and 2 meter VFO kit. Replaces 8-9 mc crystals in multiplying 6 and 2 meter transmitters, including overtone oscillator types. Has 6BH6 series-tuned oscillator and OA2 voltage regulator. Output range is 7.995 to 9.010 mc. 10:1 vernier tuning. Requires 250-300 v. DC at 10 ma and 6.3 v. at 0.3 amp. Two controls—Bandswitch and Tuning. With cables and instructions. 4x4½x5". 3 lbs.

83 S 899. *$2 Down.* NET.................**34.95**

MODEL 240-133-2. As above, but wired.

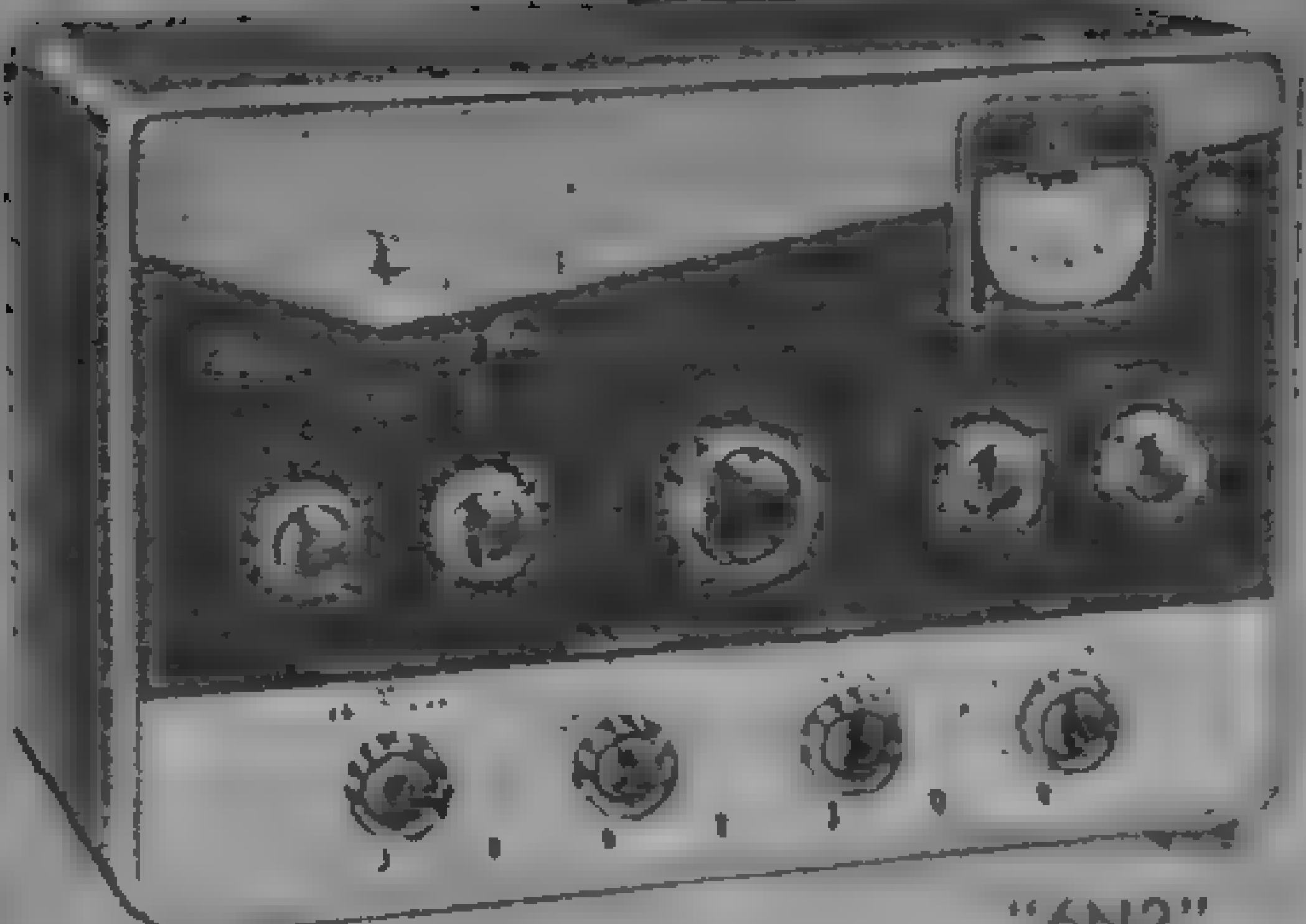
83 S 869. *$5 Down.* NET...................**54.95**

MODEL 240-122-2. Stable VFO for Viking I and II. 160-10 meters; output on 160 and 40 meters, and 6 mc. OA2 VR. Requires 250-300 VDC at 15 ma., 6.3 v. at 0.3 amp. With cables. 7x6⅞x6⁹⁄₁₆". 7 lbs.

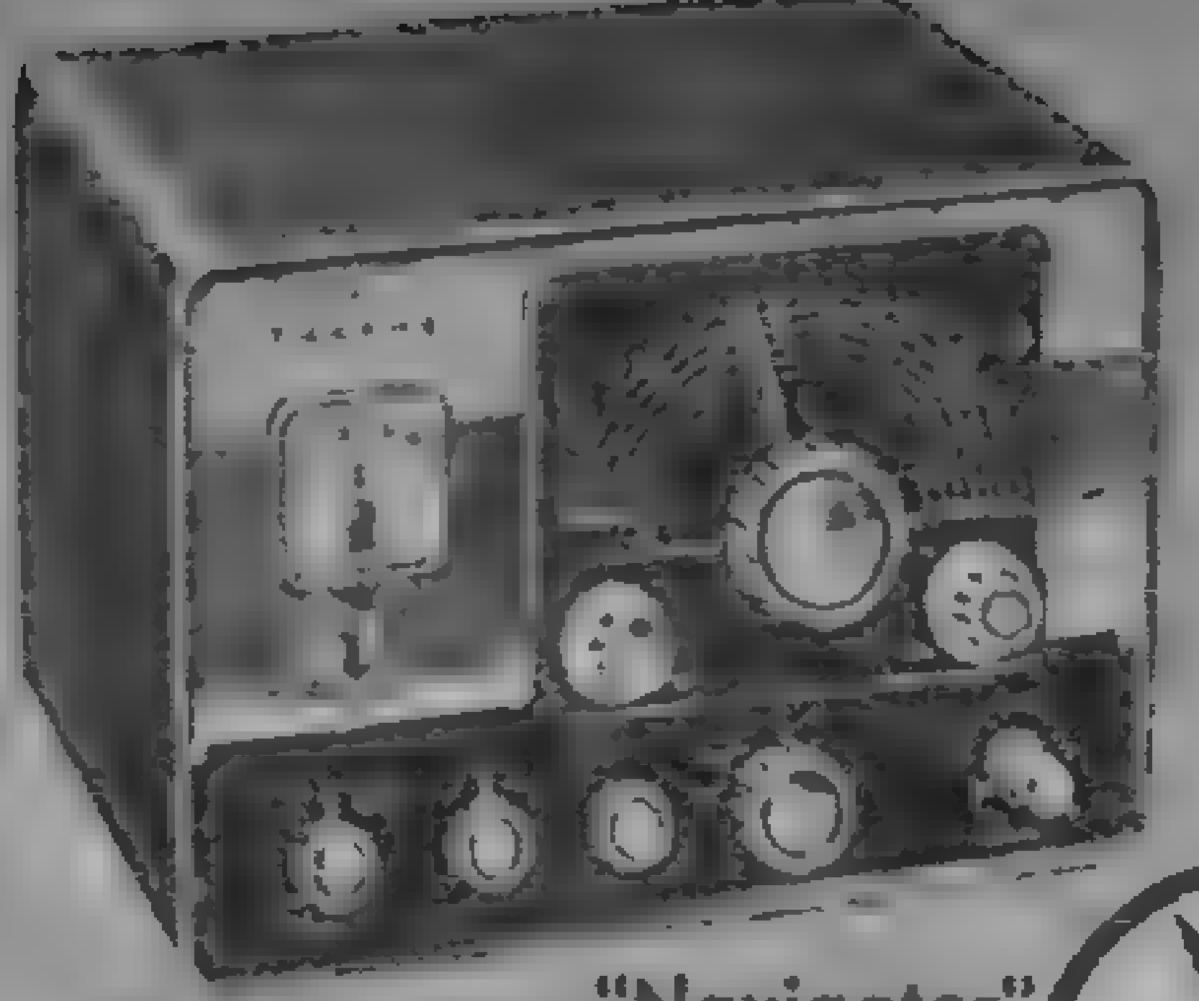
99 SX 014. *$5 Down.* NET...................**69.75**

KING-SIZED TRADE-INS . . . EASY PAY TERMS

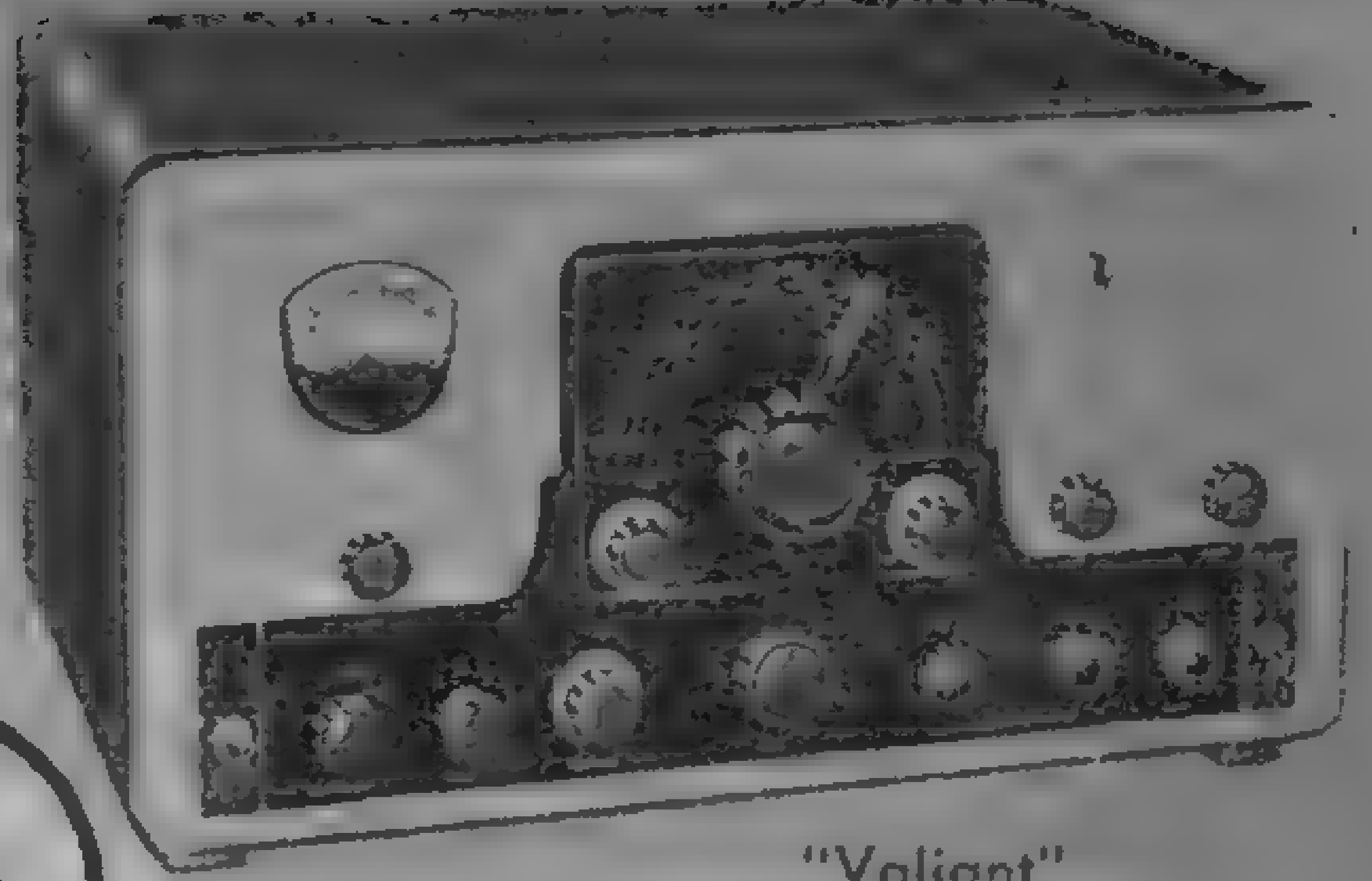
Now is the time to trade in your old Ham gear and modernize your station. Allied is making bigger and better trade-in deals on used Amateur equipment. We're able to give you a giant trade-in allowance and you can also take advantage of our Easy Pay Plan. Of course, your satisfaction is guaranteed by our 15-day trial and money-back guarantee.



"6N2"



"Navigator"



"Valiant"

For More Communication POWER

POWER-PACKED AM AND CW TRANSMITTERS

VIKING "6N2"

MODEL 240-201-2. Efficient, compact VHF transmitter offering bandswitching coverage of 6 and 2 meters. Makes use of the existing power supply and modulator of the Amateur's low-frequency transmitter. Requires 6.3 v. at 3.5 amps, 300 v. DC at 70 ma and 300-750 v. DC at 200 ma, plus 30 or more watts of audio. Input power at full voltage: 150 watts CW or FM, 100 watts AM. Has silver-plated tank circuit, parallel lines for 2 meters, link output. 5894 final. TVI suppressed. For 8-mc. input. May be operated by crystal control or external VFO. Has provision for zeroing VFO. 13⅛x8⅜x8½". Less crystal, key, mike. Shpg. wt., 14 lbs.

94 SU 851. *$5 Down.* NET......**169.50**

MODEL 240-201-1. As above, but in kit form.

83 SU 844. *$5 Down.* NET.......**129.50**

VIKING "NAVIGATOR"

MODEL 240-126-2. High-performance transmitter-exciter for the Amateur who desires a flexible, low-power CW rig. 40 watts input. Bandswitching coverage of the 160, 80, 40, 20, 15 and 10 meter bands. Built-in, highly stable VFO features timed-sequence keying for chirp-free, clean, crisp signals. May be crystal-controlled—has front-panel provision for 2 crystals. TVI suppression includes filtering and by-passing; aluminum cabinet effectively shields unit. Wide-range pi-network output circuit matches transmission line impedances from 40-600 ohms.

Meter on front panel reads final grid and plate currents. 13¼x9⅛x10¹⁄₁₆". With tubes; less crystals and key. For 110-120 v., 50-60 cycle AC. 27 lbs.

94 SZ 857. *$5 Down.* NET......**199.50**

83 SZ 892. Model 240-126-1. Kit..**149.50**

VIKING "VALIANT"

MODEL 240-104-2. A flexible, compact, all band transmitter. Provides 200 watts input on AM phone, 275 watts on CW. Bandswitching coverage from 160 through 10 meters. Can be used with auxiliary SSB exciter for 275 watts SSB power. The "Valiant" can also be used as a driver for a kilowatt amplifier, or a power source for VHF transmitters.

Some of the "Valiant's" deluxe features include: temperature compensated, extra-stable VFO, highly effective TVI suppression, time sequence (grid block) keying, high-gain push-to-talk audio system for use with high impedance crystal or dynamic microphones, self-contained power supplies, and single control mode switching. Low level audio clipping and built-in low pass audio filter provide a maximum "punch" through the QRM. The final amplifier operates into a very efficient pi-network tank circuit with silver-plated inductor.

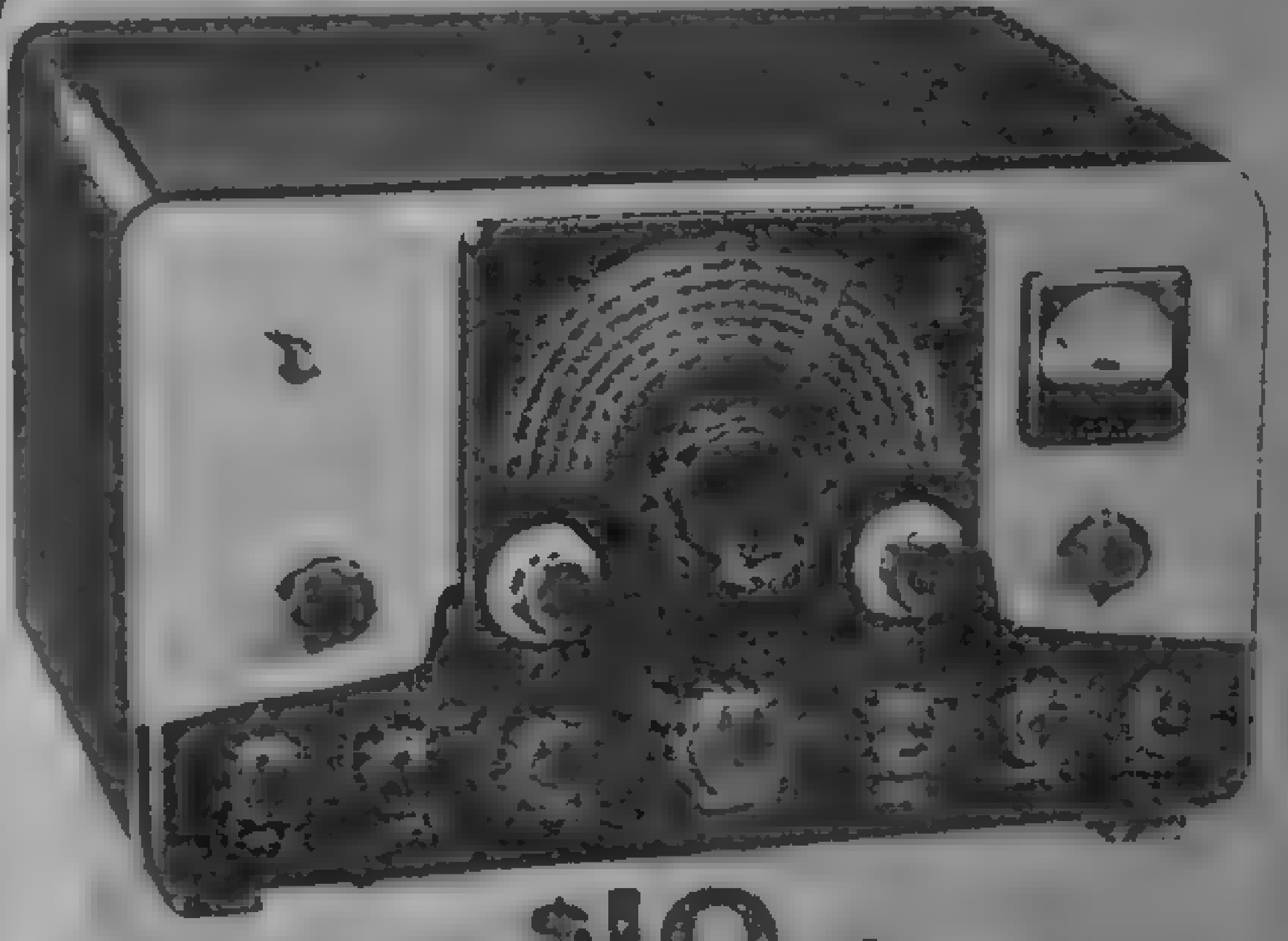
Designed to match 50-600 ohm loads; will tune out large amounts of reactance. VFO and modulator screens are voltage regulated for increased stability. Uses three 6146 tubes in the final amplifier stage. RF output is obtained through a standard SO-239 coaxial connector at the rear of the chassis.

In sturdy, maroon and gray steel cabinet. Size, 11⅝x21x16¼". Less crystal, key and mike. For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt., 85 lbs.

94 SZ 853. *$10 Down.* NET.....**439.50**

MODEL 240-104-1. As above, but in kit form.

83 SZ 845. *$10 Down.* NET......**349.50**



"Ranger" **$10 down**

VIKING "RANGER"

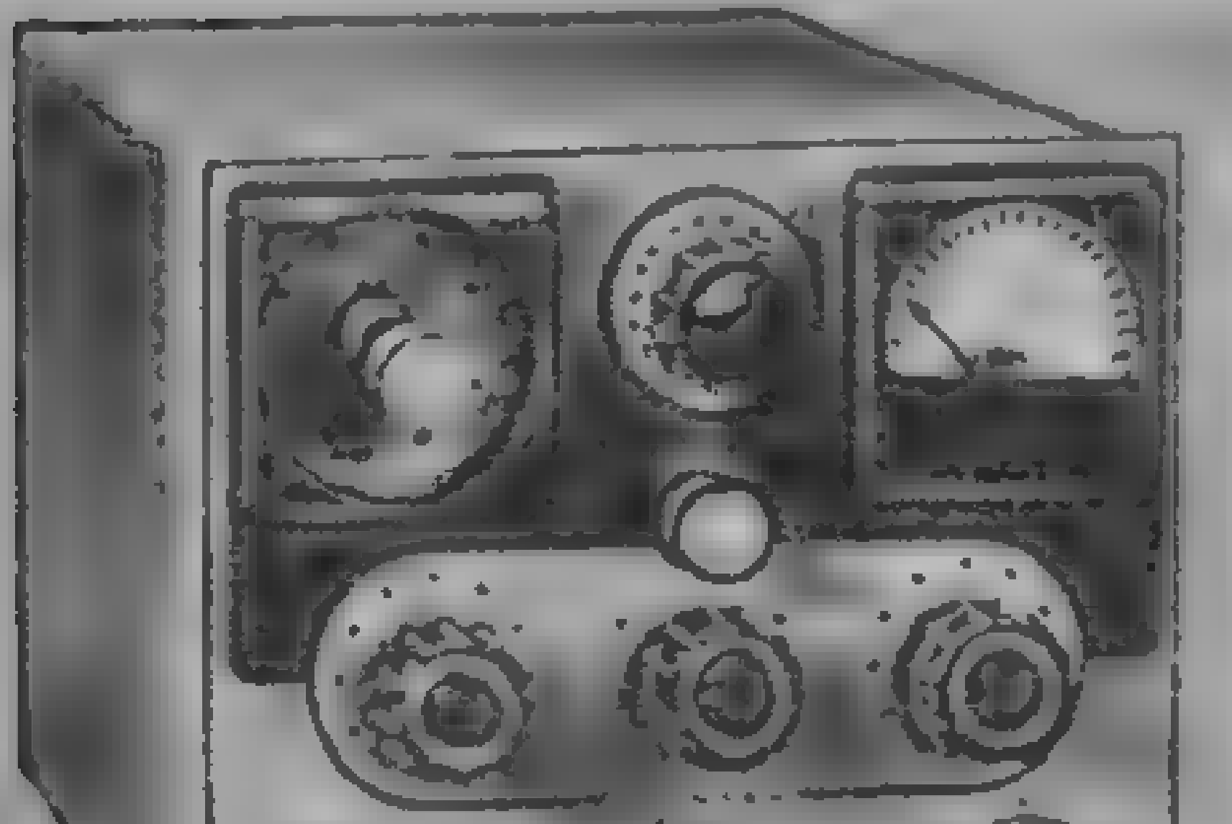
MODEL 240-161-2. The latest model of this popular, phone-CW transmitter. Input to final is 75 watts on CW; 65 watts on AM phone. Offers single-knob bandswitching on 160 through 10 meters. Frequency selection with built-in VFO, or crystals. Pi-network output matches 50-500 ohm loads; tunes out large amounts of reactance. Time-sequence (grid-block) keying provides excellent keying characteristic and allows quick, clean break-in operation. The built-in VFO is temperature-compensated for high stability. Separate, accurately calibrated, VFO bandspread scales for each band—9" of dial scale on 10 meters. 100% AM modulation; response limited to 250-3000 cycles for maximum communication effectiveness. Full meter switching for accurate tune-up. Has effective TVI suppression.

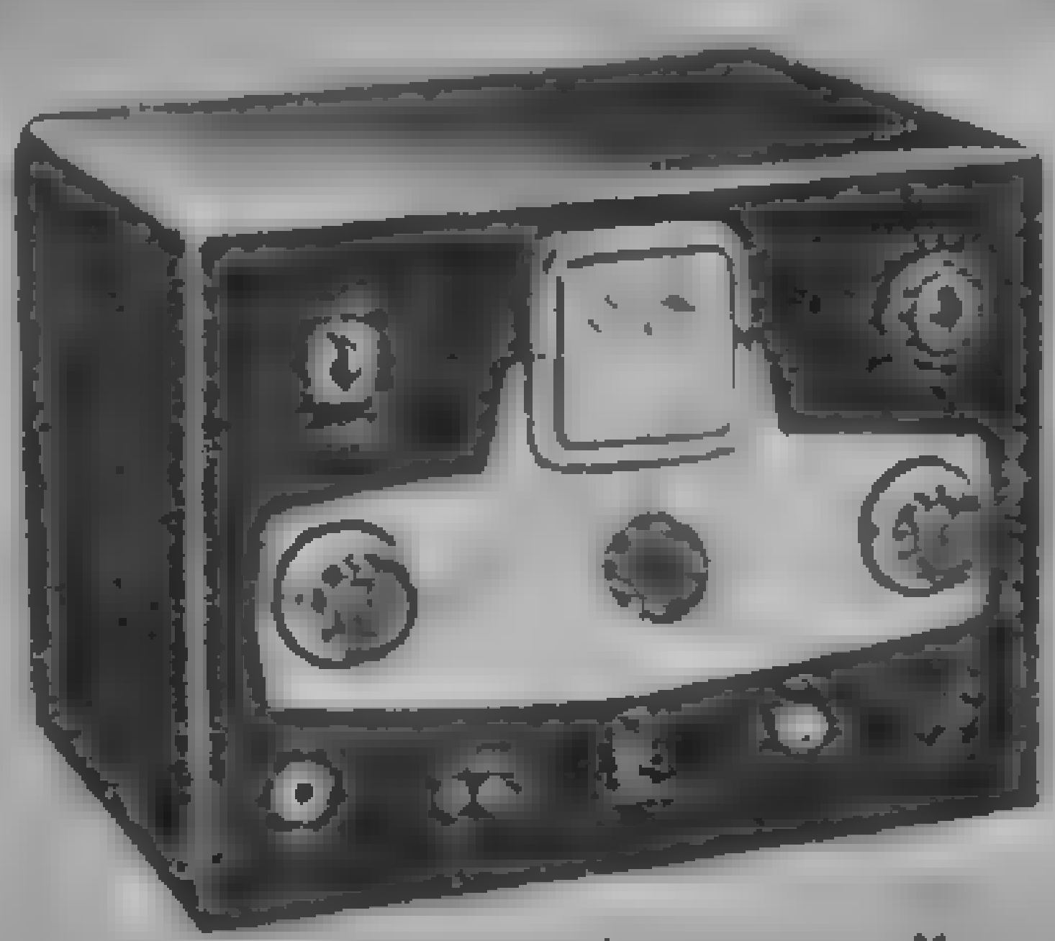
Takes any high impedance microphone. Less crystal, key and mike. 15x11⁵⁄₁₆x9". For 110-120 v., 50-60 cycle AC. Shpg. wt., 54 lbs.

99 SZ 036. *$10 Down.* NET....**329.50**

MODEL 240-161-1. As above, in kit form.

99 SZ 037. *$10 Down.* NET......**229.50**



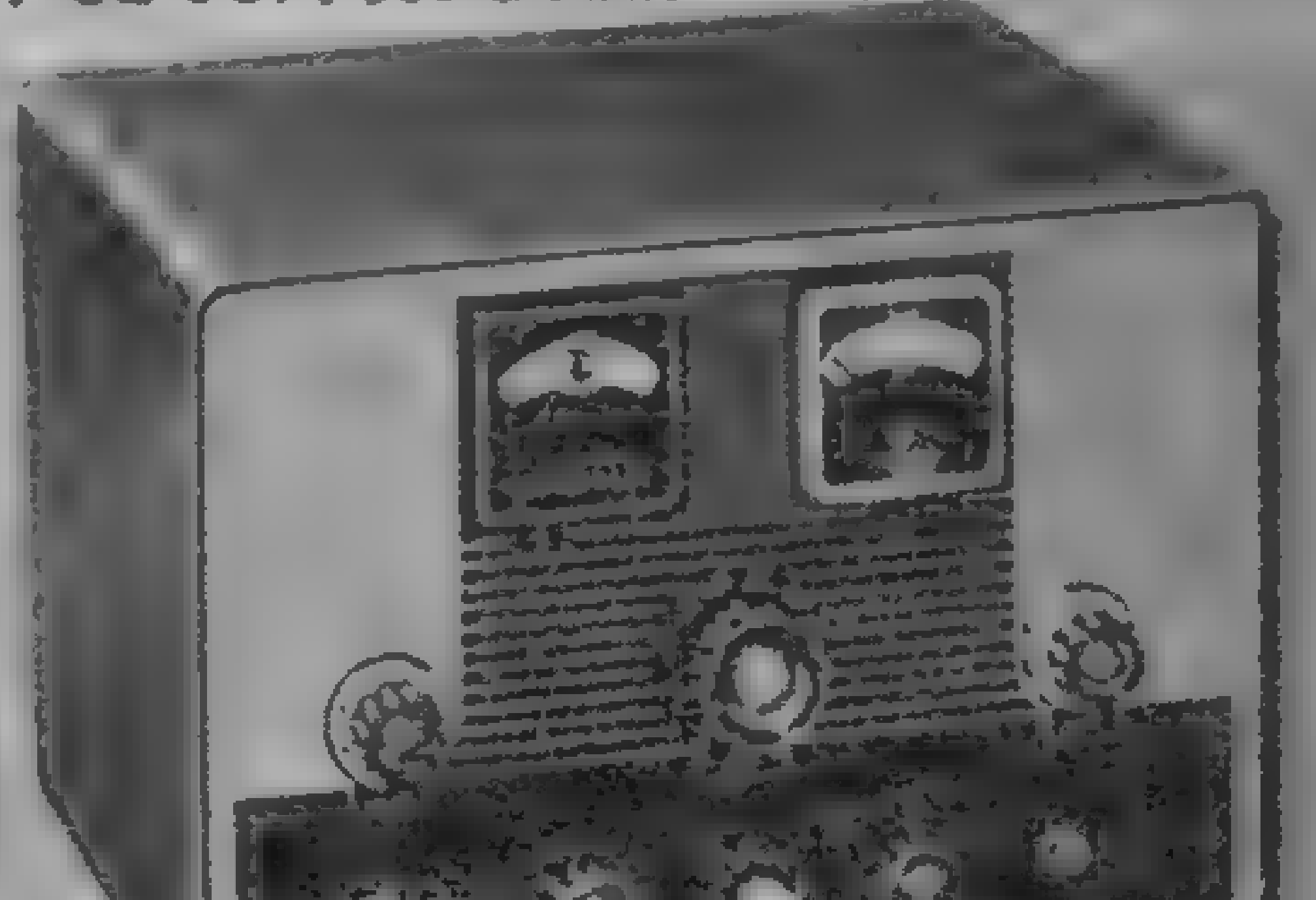


"Adventurer"

50-WATT AM-CW COMBINATION

$5 down

Amplifier Modulator



"Challenger"

VIKING "MOBILE" KIT

MODEL 240-141-1. Provides up to 60 watts input from 75 through 10 meters. Band switching; all stages are ganged to a single control for simple, fast positive tuning. PA trimmer allows wide frequency shift without antenna loading coil adjustment. 52-ohm output. Requires 300-600 VDC at 200-240 ma and 6 or 12 v. for heaters. Less tubes, mike. 7⅛x6⁷⁄₁₆x10⁵⁄₁₆". Shpg. wt., 16 lbs.

98 SX 056. *$5 Down.* NET......**107.00**

MOBILE VFO KIT. MODEL 240-152-1. For above. With tubes. 4x4¼x5". 4 lbs.

99 S 018. *$2 Down.* NET..........**33.95**

240-152-2 VFO. As above, but wired.

99 S 019. *$5 Down.* NET..........**52.50**

VIKING "ADVENTURER" KIT

MODEL 240-181-1. Low-cost CW transmitter. 50 watts input to 807 final amplifier. Features: bandswitching 80 through 10 meters; grid and plate metering; TVI shielding and filtering. Wide range pi-network output permits use of simplest antennas. Oscillator and final are keyed simultaneously for a crisp, clean signal. Less key and crystal. 7⅜x10⅜x8⅛". For 110-120 v., 50-60 cycle AC. Shpg. wt., 16 lbs.

99 SU 024. *$5 Dcwn.* NET.......**54.95**

MODEL 250-40. AMPLIFIER-MODULATOR. Provides phone operation for "Adventurer." Screen modulation. Plugs in. 4¾x4³⁄₁₆x4". Less mike. Shpg. wt., 1 lb.

92 S 366. NET.................**12.25**

VIKING "CHALLENGER" KIT

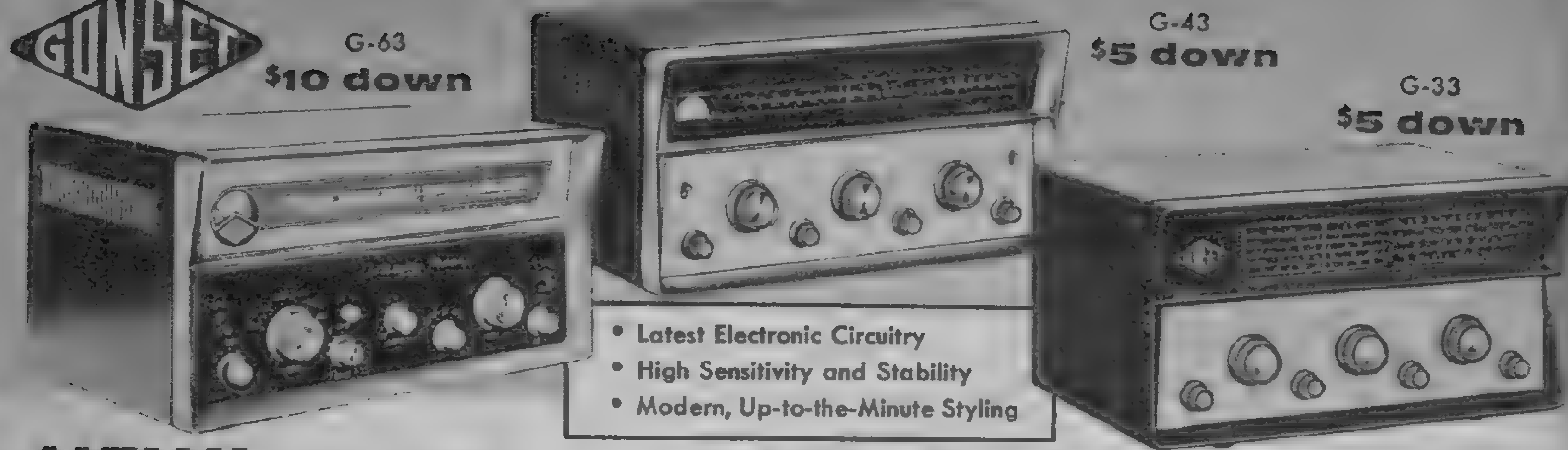
MODEL 240-182-1. Ideal for fixed or portable use, the "Challenger" features 70 watts phone input on 80-6 meters; 120 watts CW input on 80-10 meters—85 watts CW input on 6 meters. Pi-network output for 40-600 ohm antennas, tunes out large amounts of reactance. Plate circuit capacitor switching provides best combination of variable and padding capacity for easy tuning and proper loading. Socket for crystal or VFO. Less mike, key and crystal. Size, 15½x13⅛x12⅛". For 110-120 v., 50-60 cycle AC. Shpg. wt., 31 lbs.

77 SZ 772. *$5 Down.* NET.......**114.75**

MODEL 240-182-2. As above but wired.

77 SZ 757. *$5 Down.* NET.......**154.75**

See Johnson Accessories Listed in This Section



- Latest Electronic Circuitry
- High Sensitivity and Stability
- Modern, Up-to-the-Minute Styling

NEW!

- Double Conversion
- 80 Through 6 Meters
- Dual Detectors

GONSET—Pace-Setting Leader In The

RENOWNED FOR OUTSTANDING PERFORMANCE

▣ G-63 RECEIVER

This efficient Amateur band receiver provides outstanding reception on the 80, 40, 20, 15, 10, and 6 meter Ham bands. Has excellent sensitivity and signal-to-noise ratio on all bands, including 6 meters. Each of the bands covered are separately viewable on a large, drum-type dial scale.

The G-63 features dual conversion for high image rejection. Multiple-bandpass tuned circuits in the second IF provide optimum shaping of the selectivity curve. A new peaking-type "Q" multiplier provides variable bandwidth down to near 100 cycles. Has two second detectors—a diode detector for AM, and a product detector for SSB and CW reception. High-frequency and beat oscillators are temperature-compensated to assure extremely high stability.

Other features include: automatic noise limiter; AVC; and "S" meter. Tube complement: 6BZ6 RF amplifier; 6U8A 1st converter/HF oscillator; 6BE6 2nd converter; 2—6BA6 IF amplifiers; 6AL5 AM detector/AVC/ANL; 6BE6 product detector/BFO; 12AX7 AF/"Q"-multiplier; 6AQ5 output; 5Y3GT rectifier; and OB2 voltage regulator.

In gun-metal finish with aluminum panel. 8x16¼x10½". Less speaker. For 110-125 v., 50-60 cycle AC. Shpg. wt., 30 lbs.
77 SU 901. *Only $10 Down.* NET **239.50**

▣▣ G-43 RECEIVER

General-coverage receiver using printed circuitry and featuring remarkable stability. Covers 1.8-5.7 mcs, 5.7-13 mcs, 13-20 mcs, 20-25 mcs, 25-30 mcs, plus the standard broadcast band. Drum-type bandspread dial calibrated for Ham bands; also logging scale. Extra calibrations on 25-30 mc range for use with 2 and 6-meter converters.

Six hi-Q IF transformers for excellent selectivity—6 kc at 6 db down, 24 kc at 60 db down. Controls: Main Tuning, Bandspread, Bandswitch, Volume, Sensitivity, Antenna Trimmer, ANL On-Off, Crystal Calibrator, Phone-CW, Standby-Receive.

Has 7 tubes and rectifier. With built-in, 4" speaker and jack for external speaker or headphones. 16¼x8x10½". For 110-120 v., 50-60 cycle AC. Shpg. wt., 27 lbs.
77 SU 721. *$5 Down.* NET......**159.50**

▣▣ G-33 RECEIVER

A popular general coverage receiver that provides excellent reception of short-wave as well as standard broadcast stations. Uses printed circuitry for improved stability and performance. Four separate tuning ranges cover 1.8-6 mc, 6-13 mc, 13-34 mc, and the broadcast band. Has slide-rule dial with calibrated bandspread. Bandspread dial calibrated for the Amateur bands.

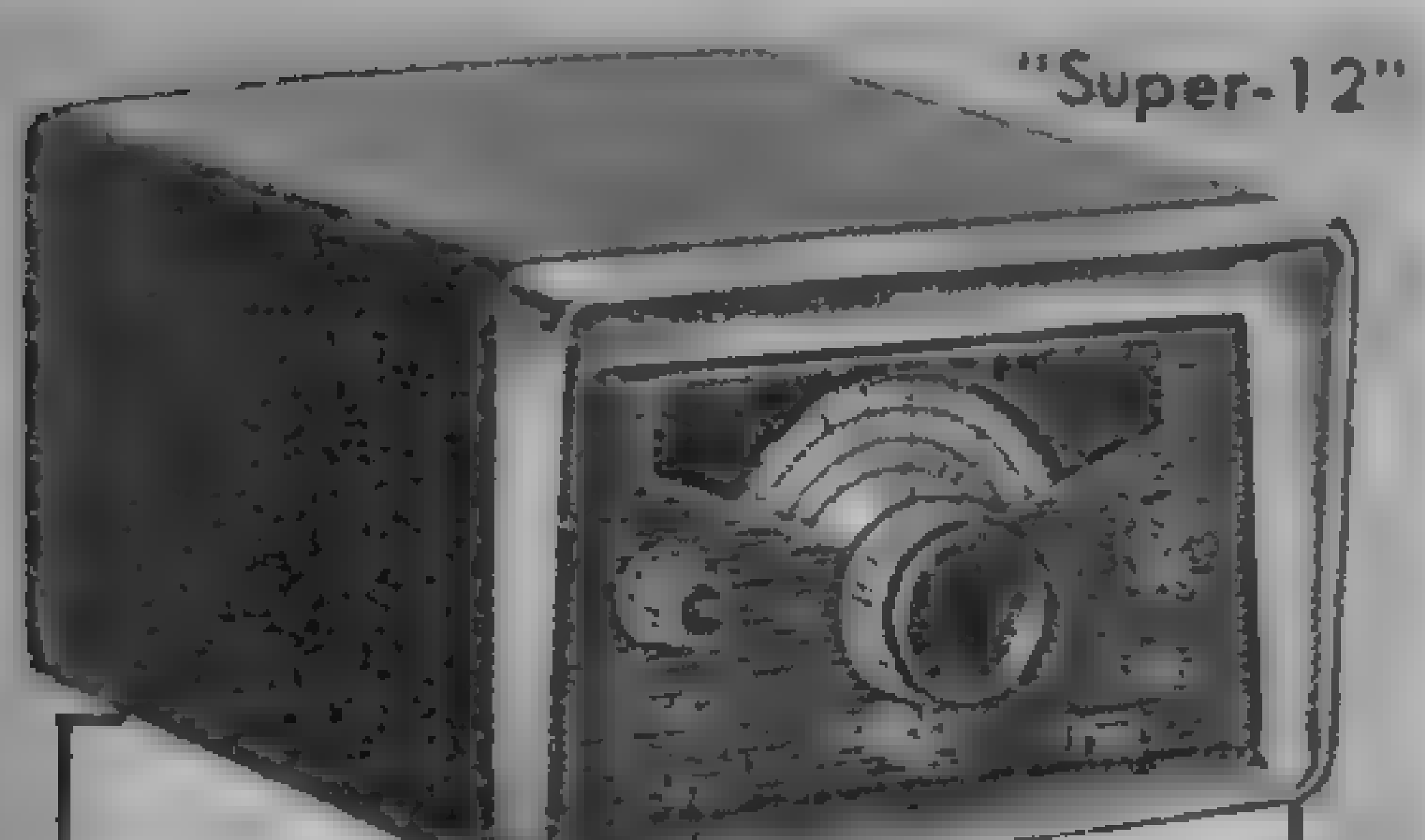
1650 kc IF and 3 hi-Q transformers assure excellent image rejection. Controls include: Main Tuning, Bandspread Tuning, Bandswitch, Volume, Antenna Trimmer, Sensitivity, and On-Off Standby switch.

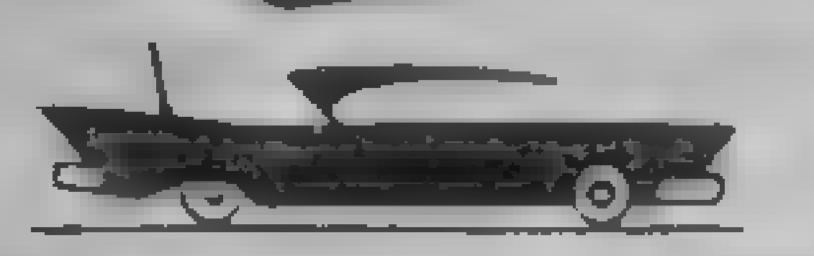
5 tubes plus rectifier. Built-in 4" speaker. Jack permits use of external speaker or headphones. 16½x8x10". For 110-120 v., 50-60 cycle AC. Shpg. wt., 23 lbs.
77 SU 720. *$5 Down.* NET.......**89.95**

EASY PAY TERMS
... KING-SIZE
TRADE-INS

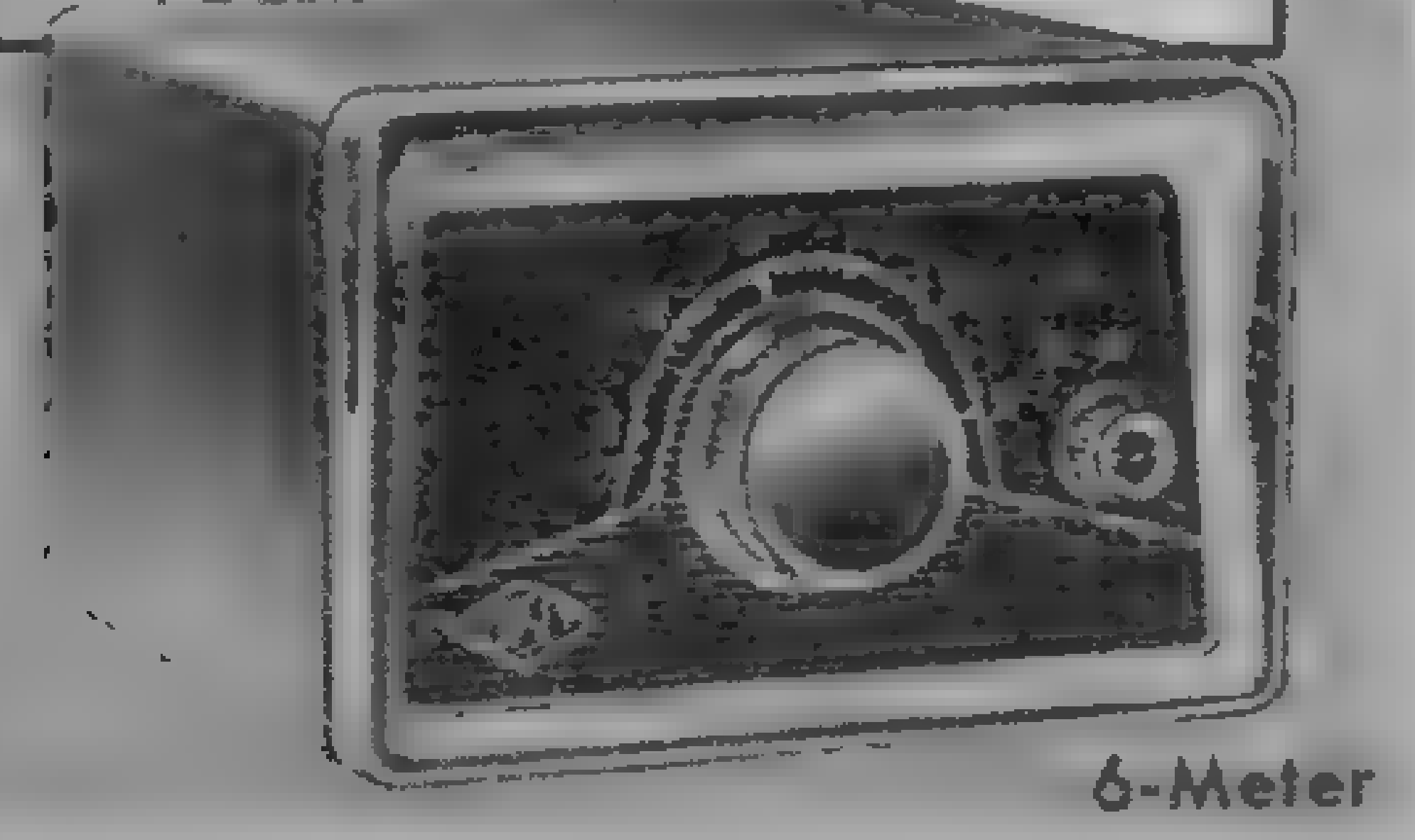
ALLIED IS HAM HEADQUARTERS. Allied offers the largest selections, lowest prices, and best trade-in deals on new Amateur equipment. We'll give you a giant trade-in allowance on your present transmitter or receiver, and you can complete the balance on our Easy Pay Plan—truly the easy way to enjoy the latest in Ham gear!

SENSITIVE, HIGH-STABILITY CONVERTERS FOR MOBILE USE





Use one of these efficient mobile converters with your present AM car radio to obtain outstanding Ham band reception.

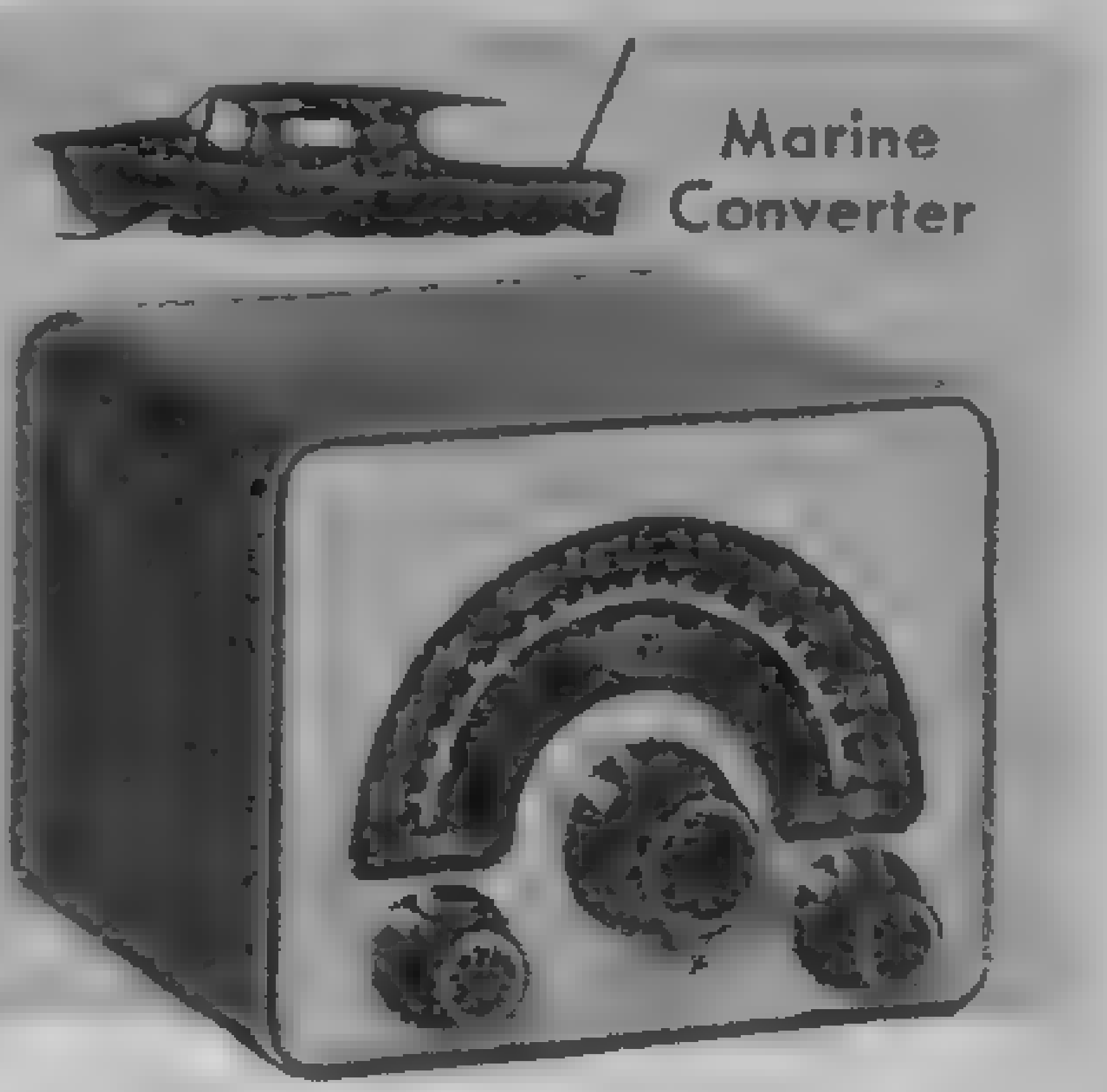


"SUPER-12" MOBILE CONVERTER

MODEL 3261. Compact, sensitive converter covering 75, 40, 20, 15 and 10 meters, plus the 19 and 49-meter bands. Easy to install—requires no high-voltage B + or internal connections to auto radio. Operates directly from 12 v. DC (@ 1.2 amps). Features low drift, excellent s/n ratio and high image rejection. Has low-noise RF stage with antenna trimmer, low-noise triode mixer and modified Clapp oscillator. Hi-lo impedance antenna switch for 40 and 75 meters. Output, 1430 kc. With cables. 5¼x3½x5¼". Shpg. wt., 5 lbs.
83 S 594. *$5 Down.* NET.......**74.50**

6-METER CONVERTER

MODEL 3275. Provides excellent 6-meter reception when operated with auto radio. Has sensitive RF stage and built-in noise limiter. Triple conversion (including mixer in auto radio) gives maximum image rejection. Auto receiver is set on one frequency and converter is tuned for band coverage. 49 to 54 mc range permits checking commercial stations for band openings. Operates from 12 v. car system—requires no high-voltage supply. 5¼x3½x5¼". 5 lbs.
77 S 768. *$5 Down.* NET.......**74.50**



MOBILE MARINE CONVERTER

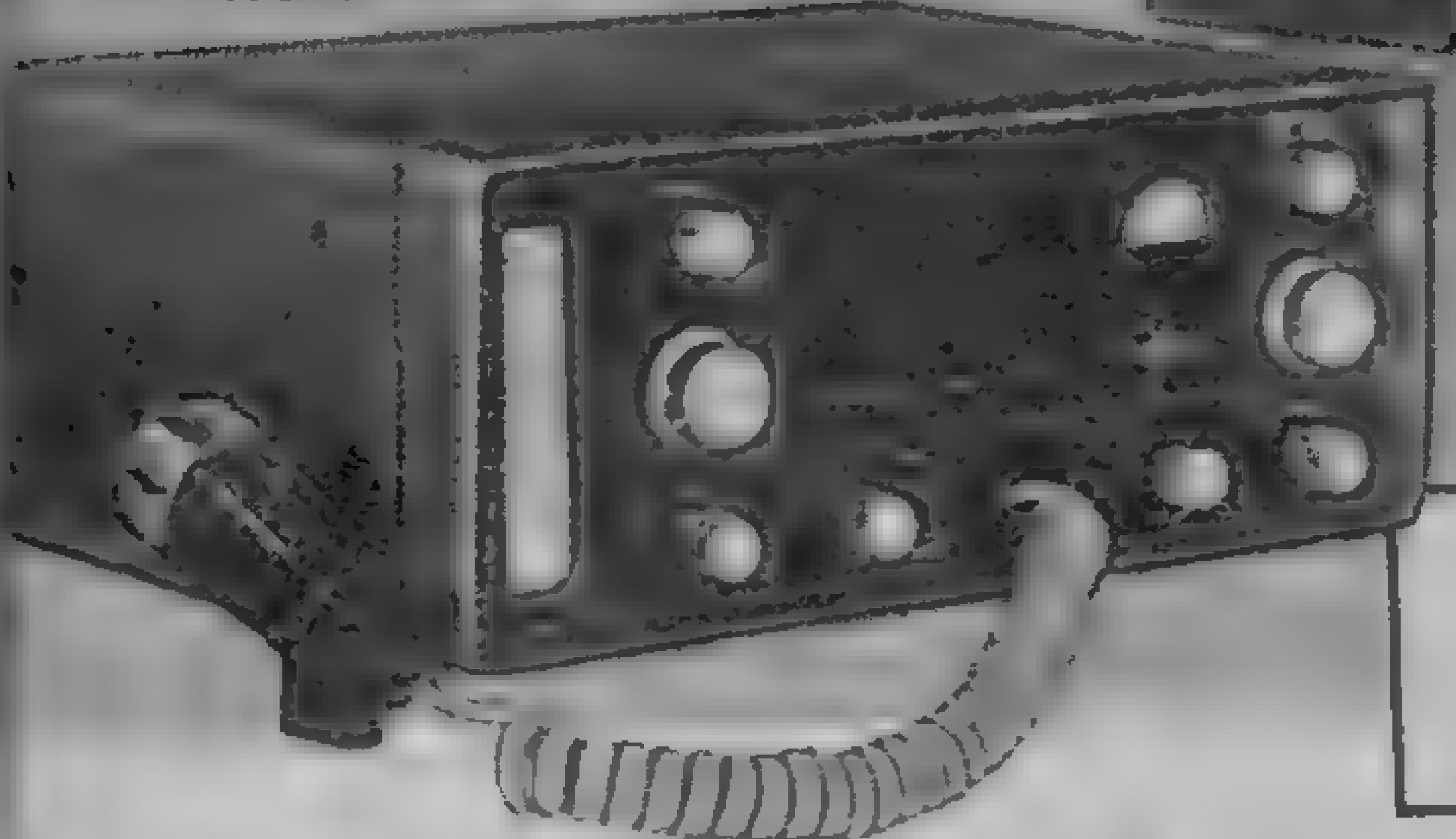
MODEL 3163. Allows you to monitor the 1.6 to 3.0 mc range with any 12 v. car radio. Perfect for listening to ship-to-ship, ship-to-shore, and marine weather broadcasts. Requires only 12 v. DC. Simple to install—just connect output cable of converter to auto radio, connect broadcast-band antenna to converter imput and clip power lead to ignition terminal. With cables. 3⅜x4¼x4⅛". 5 lbs.
77 S 688. *$2 Down.* NET........**29.50**

MOBILE ACCESSORIES

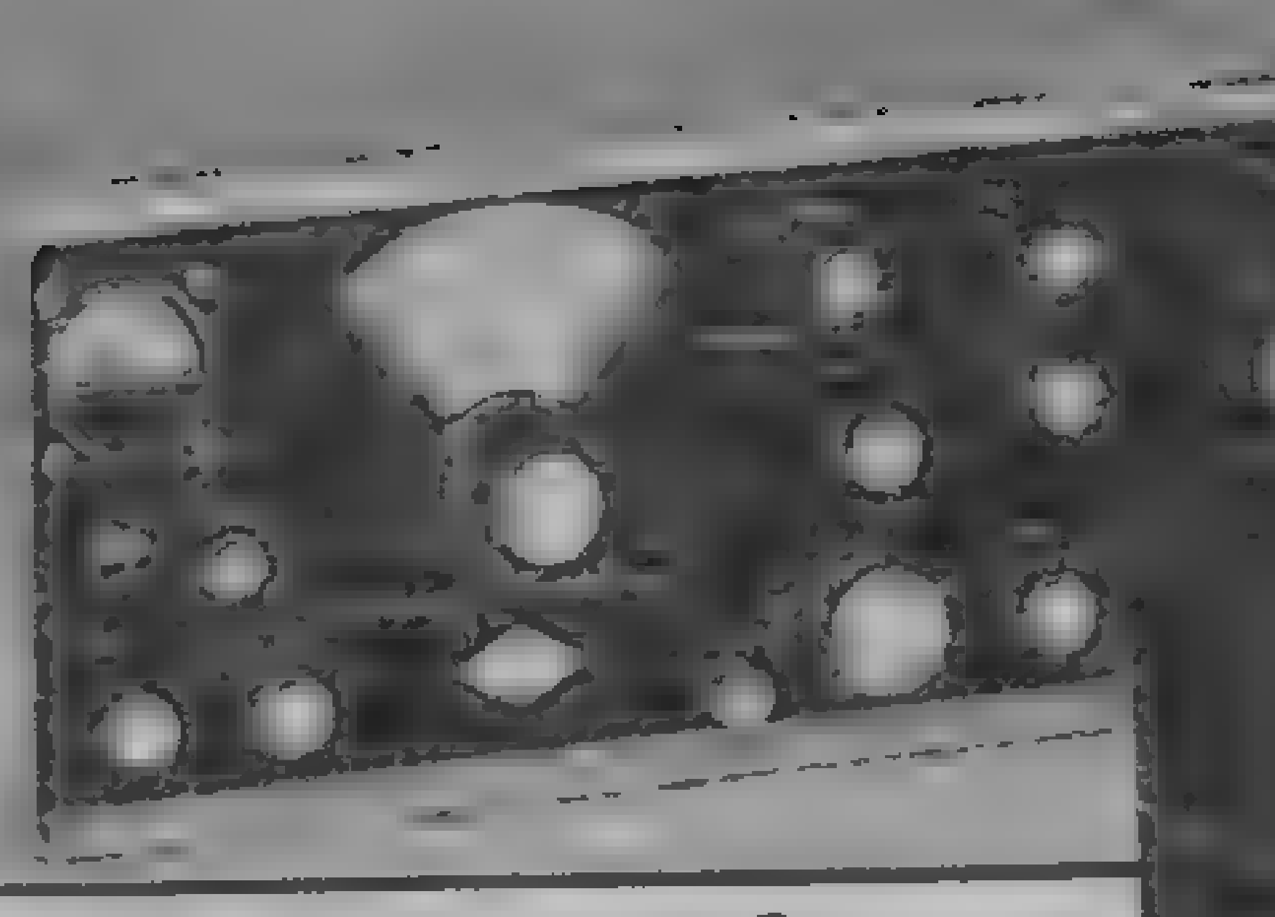
60 S 596. **Model 3001 Noise Clipper.** For Models 3261, 3163 and other converters not equipped with noise limiter. 2x4x1½". 2 lbs. NET.....................11.95

84 S 994. **Type 3006 Steering Post Bracket.** Mounts Gonset converters or tuners to car steering post. Holds with sure, slip-proof grip. Shpg. wt., 1 lb. NET...........4.50

Communicator IV
Transceiver



G-76
AM-CW

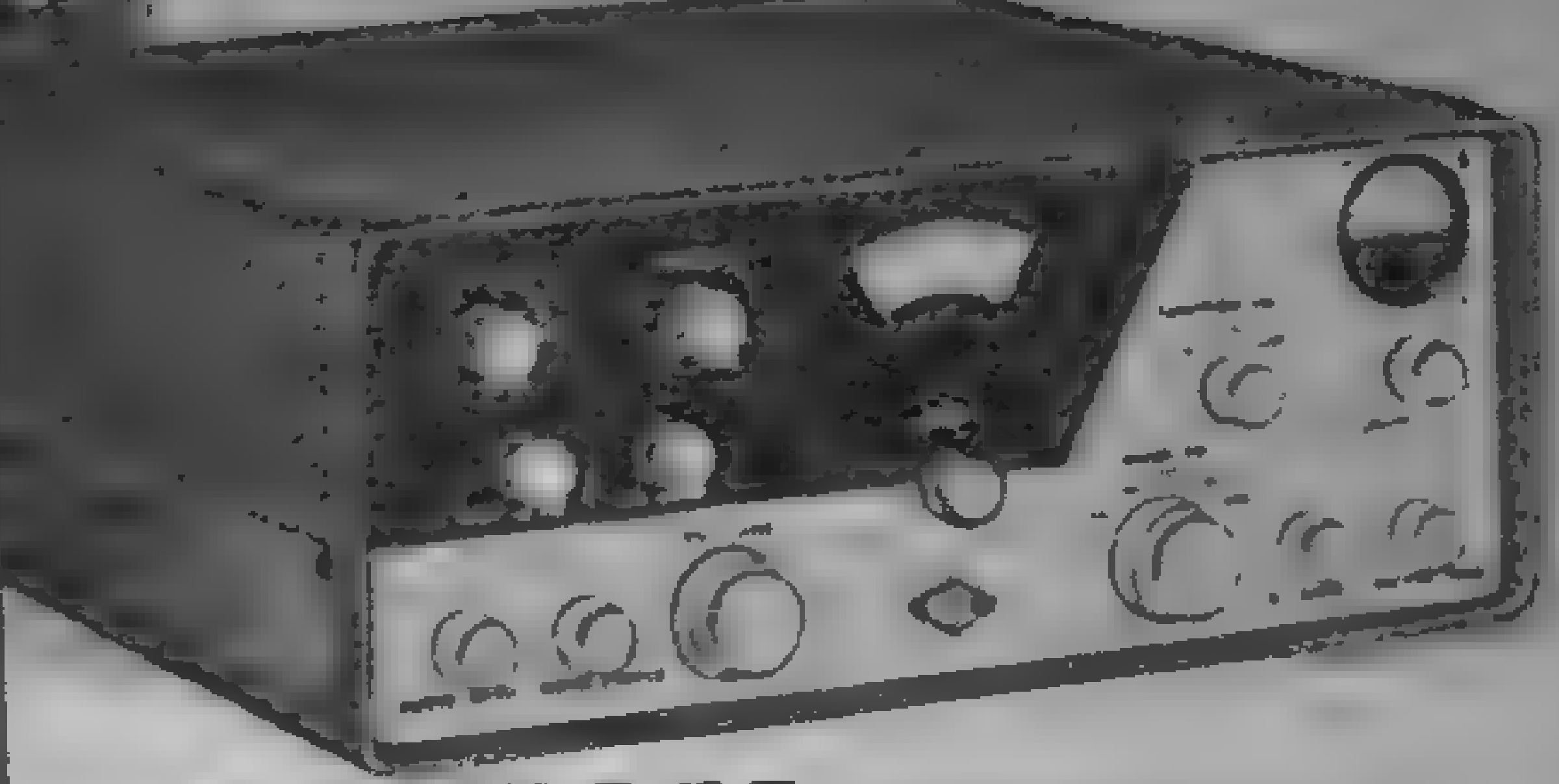


- Highly Stable • Compact
- Advanced Mobile Design

only **$10** down

GONSET

MSB-1
SSB-CW



Field of Compact Amateur Gear

RUGGED, DEPENDABLE MOBILE UNITS

2-METER COMMUNICATOR IV TRANSCEIVER

MODEL 3341 COMMUNICATOR IV. Completely new throughout, the Communicator IV is the latest of the Gonset VHF "package stations." Provides outstanding AM performance on the 2-meter band. For portable or fixed station use; operates from 110-120 v., 50-60 cycle AC or 12 v. DC. Transistorized DC supply requires no vibrators.

Receiver features are: 0.4 µv sensitivity; latest VHF tubes for excellent noise figure; triple conversion with crystal-controlled first conversion; ANL; squelch. Transmitter features are: 20 watts input; 6360 final; push-to-talk operation. 5x9½x13". With built-in speaker and mike. Less antenna and 8-mc crystals. Wt., 23 lbs.
78 SZ 152. *$10 Down.* NET.....**369.50**

G-76 TRANSMITTER/RECEIVER

MODEL 3338. New, advanced design AM-CW mobile transmitter/receiver. Provides bandswitching coverage of the 80 through 6-meter Ham bands. Operates at 100 watts input on AM; 120 watts input on CW. Has stable, built-in VFO; 6DQ5 final; push-to-talk controls. Dual-conversion receiver has temperature-compensated oscillator. Includes BFO, ANL, and S-meter. 5x12½x10½". Requires 3350 or 3349 power supply, below. Shpg. wt., 22 lbs.
78 SZ 175. *Only $10 Down.* NET.**376.25**

78 SZ 176. 3350 12 V. DC Power Supply. 7½x8¼x3½". Shpg. wt., 8 lbs. NET.**145.00**

78 SZ 177. 3349 117 V. AC Power Supply. Has built-in speaker. Size, 12½x5½x13". Shpg. wt., 23 lbs. NET **145.00**

HIGHLY STABLE 2 & 6-METER MOBILE VFO

MODEL 3226. Highly stable VFO for frequency control of either the 2 or 6-meter Communicator transceivers. Both 2 and 6-meter bands are spread across an illuminated slide-rule dial for effortless frequency settings. Front-panel knob provides choice of band; spotting switch allows "zeroing-in" on stations for easy "break-in" operation. Switching of transceiver to transmit position automatically actuates VFO. Cabinet matches Communicator units. Size, 6x4½x8". For 110-120 v., 50-60 cycle AC. Shpg. wt., 10 lbs.
83 S 597. *$5 Down.* NET.............**69.50**

NEW! INCORPORATES LATEST MOBILE DESIGN FEATURES

MSB-1 MOBILE SSB-CW TRANSCEIVER

MODEL 3301. Extremely small and lightweight, yet operating SSB on upper and lower sidebands, or CW with a husky 125 watts P.E.P. input, the MSB-1 represents a true "breakthrough" in the mobile transceiver field. Measuring only 5" high, 12" wide, and 12" deep, it fits neatly under the dash of any car. When used with the AC power supply listed below, this efficient all-band transceiver is also ideal for fixed-station operation. Provides outstanding coverage of the 80 through 10 meter bands.

Features stable, built-in VFO; also has provision for external VFO. Provides 40-50 db carrier suppression; 40-50 db unwanted sideband suppression. Has VOX, press-to-talk, and phone patch provisions. Receiver sensitivity is better than 1 microvolt. An efficient 9-mc band-pass crystal filter assures excellent transmitting and receiving selectivity. Has provision for 3269 crystal calibrator, below. Requires either 3334 or 3335 power supply, below. Wt., 16 lbs.
78 SZ 178. *Only $10 Down.* NET.**750.00**
3334 12 V. DC POWER SUPPLY. Transistorized. 7½x8¼x3½". With cables, connectors. 9 lbs.
78 SZ 179. *Only $5 Down.* NET...**145.00**
3335 117 V. AC POWER SUPPLY. Has built-in speaker. 12½x5½x13". With cables, connectors. 23 lbs.
78 SZ 180. *Only $5 Down.* NET...**145.00**
78 S 181. Model 3269 Crystal Calibrator. 1⅞x2⅜x3¾". Wt., 1 lb. NET........**14.95**

HERE'S A *POWER-PACKED* SSB COMBINATION

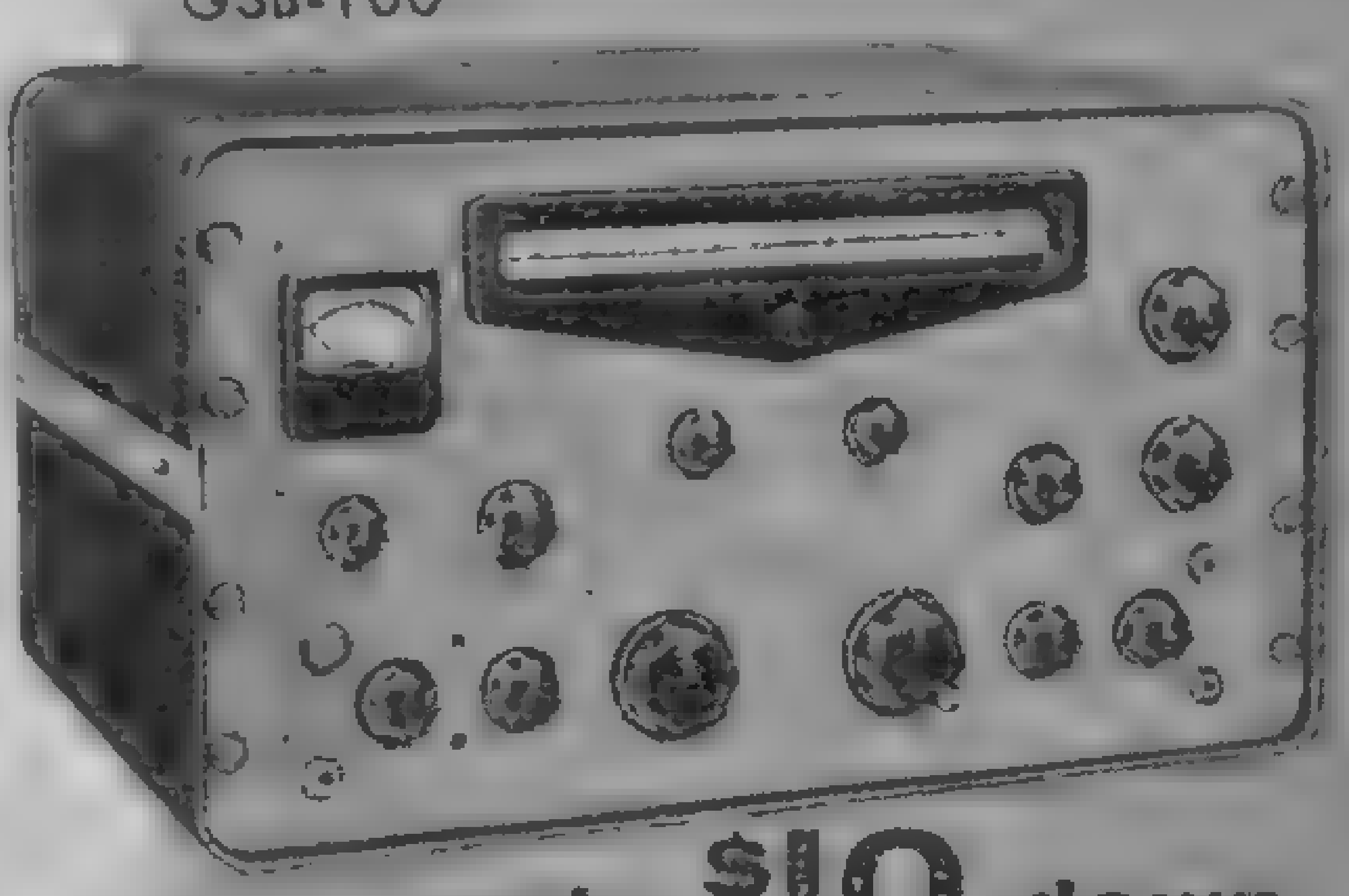
GSB-100 SSB TRANSMITTER/EXCITER

Can be used either as a complete transmitter or an exciter for a higher powered linear amplifier. Provides outstanding selectable SSB, phase modulation, CW and AM linear operation. Permits 100 watts P.E.P. input on SSB and CW; 50 watts on AM on 80 through 10 meters—each band covered in 600-kc ranges.

Stability of built-in VFO is better than 250 cycles in two hours—tuning mechanism has 100:1 gear ratio. Choice of upper or lower sideband. Unwanted sideband suppression is 45 db; carrier suppression, 60 db minimum; spurious suppression, 50 db minimum. Phasing-filtering system, with quartz crystal band-elimination filter, is used—no critical carrier balancing is involved; transmissions sound natural. On AM, both sidebands are transmitted. This allows 100% modulation without the distortion normally present when carrier and one sideband at high modulation are received on the conventional AM receiver. On CW operation, unit provides excellent keying characteristics.

Unit has adjustable VOX and anti-trip, phone-patch provision. Also includes 100 volt final blocking bias for cut-off of external linear amplifier when receiving. Pi-network output matches 30-200 ohms. Has heavy-duty built-in power supply. All crystals supplied, except those for the CW portion of 10 meters. Size, 10¼x19¼x18". For 110-120 v., 50-60 cycle AC operation. Shpg. wt., 120 lbs.
91 SZ 998. *$10 Down.* NET...**499.50**

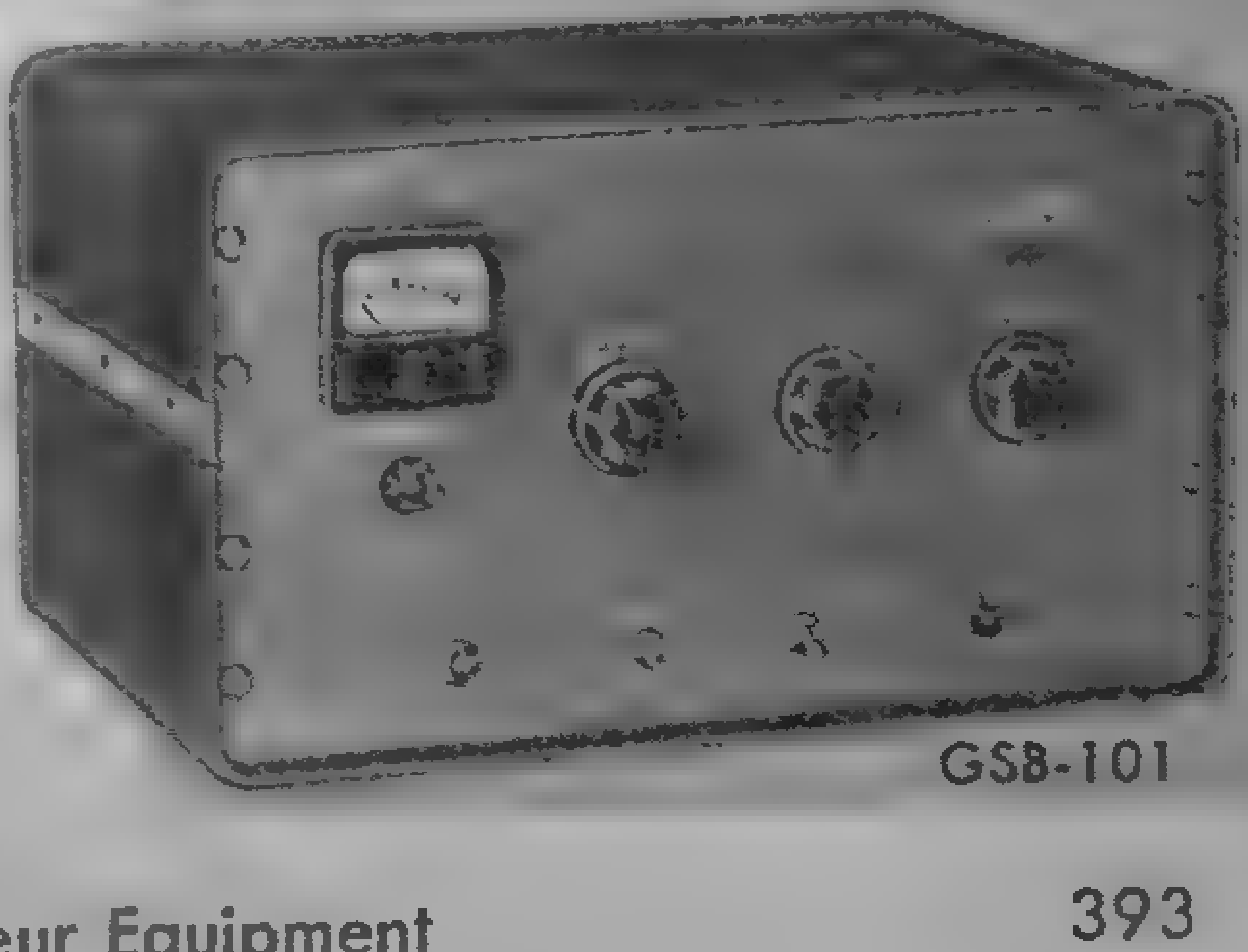
GSB-100



only **$10** down

GSB-101 LINEAR AMPLIFIER

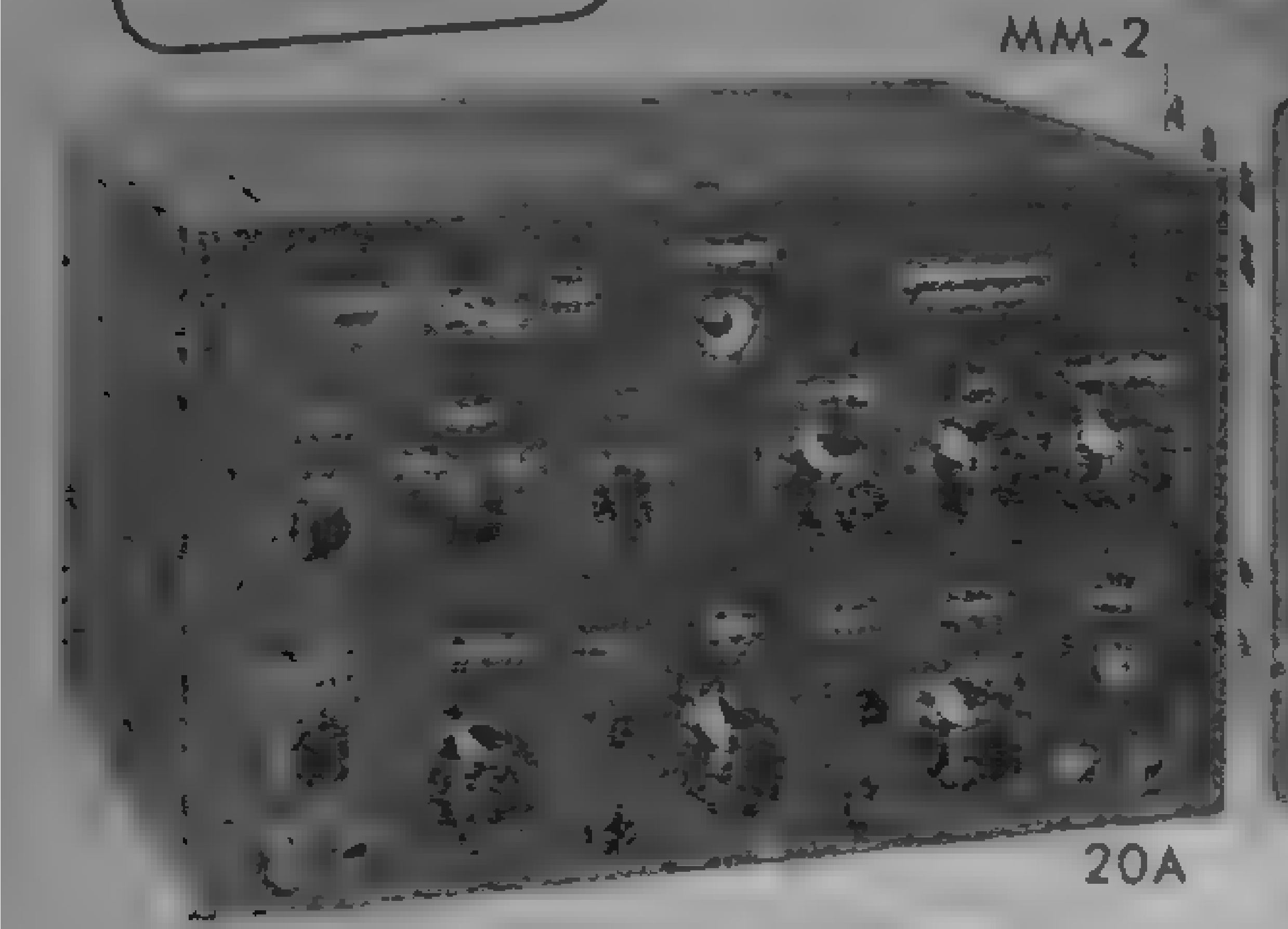
Efficient, grounded-grid linear amplifier. Rated 1000 watts P.E.P. input on SSB and CW; 500 watts on AM. Can be used with any exciter delivering 60-70 watts of RF. Grounded-grid circuit conserves drive power—operates at up to 65% efficiency, allowing more drive at final. Front panel bandswitching covers 80-10 meters.
Has flexible pi-network output for easy loading. Single, front panel switch changes both inductance and capacitance of the pi-network to match a wide range of load impedance—matches 30-200 ohms. DC antenna relay assures quiet operation. Contains built-in power and bias supplies. Primary power switches are connected so that it is impossible to apply plate voltage to the rectifier tubes before applying filament voltage; it is also impossible to remove filament voltage before removing plate voltage—prevents tube damage.
Controls: Final Tuning, Final Loading, Band Switch, Plate Switch, Power Switch, Meter Switch. *Tubes:* 4—811A and 2—866A rectifiers. Size, 11½x19½x14½". For operation from 105 to 125 v., 50-60 cycle AC. Wt., 94 lbs.
77 SZ 774. *$10 Down.* NET...**459.50**

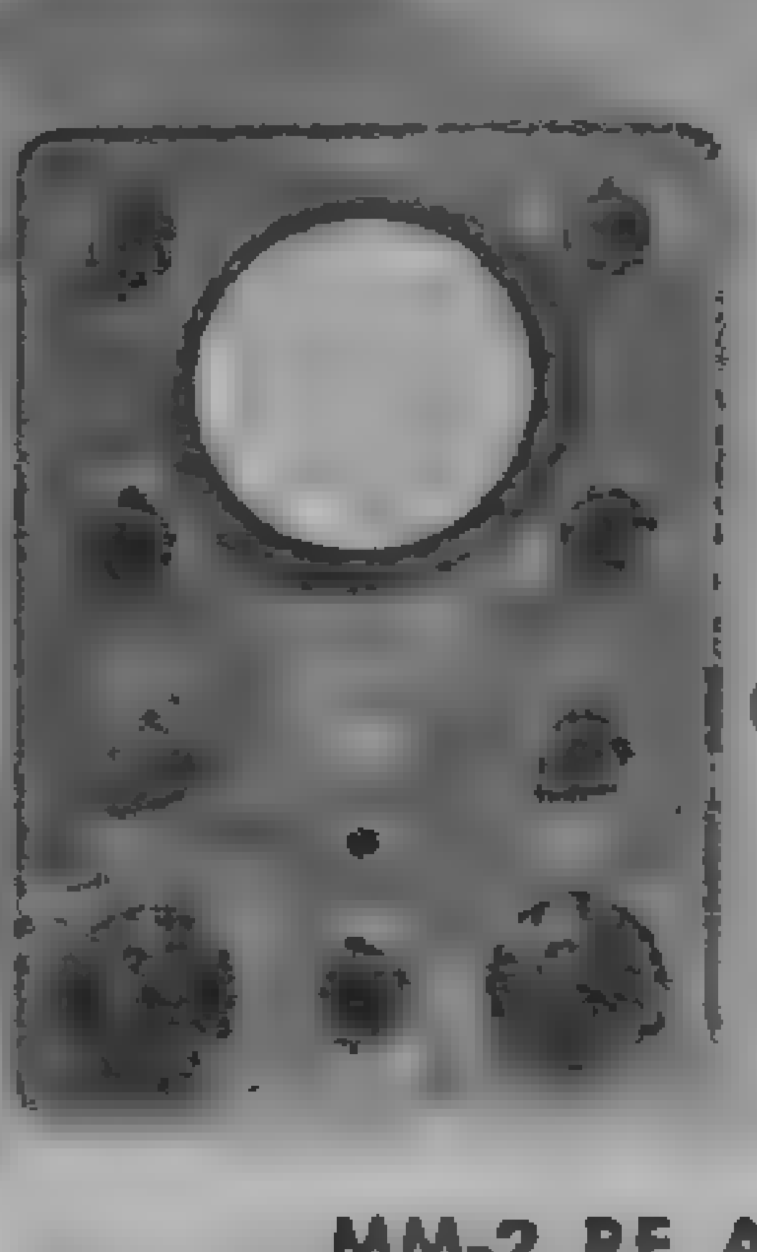


GSB-101

MULTIPHASE PRODUCTS

Central Electronics Equipment





For Top-Notch
SSB
Performance

Go Sideband...
With Allied's
Easy Pay Plan!

20-A MULTIPHASE EXCITER

- Covers 10-160 Meters
- 20 Watts Peak Output

Bandswitching, voice-controlled exciter for SSB, AM, PM, and CW. Covers 160-10 meters. Choice of sideband—over 40 db suppression of unwanted sideband. Carrier adjustable from full output to −60 db. Provides blocking bias. Has 9-mc heterodyne oscillator—requires external VFO or crystal. Magic-eye RF indicator shows carrier balance and maximum peak output. Has 2—6AG7 linear amp. 8¾x14¾x10″. With tubes. For 110-120 v., 50-60 cycle AC. Shpg. wt., 34 lbs.

83 SU 811. *$10 Down.* NET.....**279.50**

83 SU 810. MODEL 20-A EXCITER KIT. As above, in kit form. *$10 Down.* NET..**219.50**

83 S 815. 458-K. For converting BC-458 to VFO for 20-A. 2 lbs. NET..........**17.50**

83 S 812. QT-1 ANTI-TRIP UNIT. Plugs into 20-A to prevent loud signals from tripping break-in circuits. 2 lbs. NET.........**12.50**

MM-2 RF ANALYZER

- Compact, Three-Inch Scope
- Built-In Audio Oscillator
- Five Function Positions

Analyzes SSB and AM transmitting systems up to 5 kw on 1 to 55 mc. Has 3″ scope, low-distortion 1-kc audio oscillator, and 5 function positions (manual, sine and speech envelopes, and AF and RF trapezoids). Displays IF envelope patterns of received signals when used with plug-in adapters (below). Furnishes 15-mv and 1.5-v. audio test signals. Coaxial input: 25-to-100 ohms. 9⅛x6¼x14½″. For 110-120 v., 50-60 cycle AC. 19 lbs.

94 SU 842. *$5 Down.* NET.......**149.50**

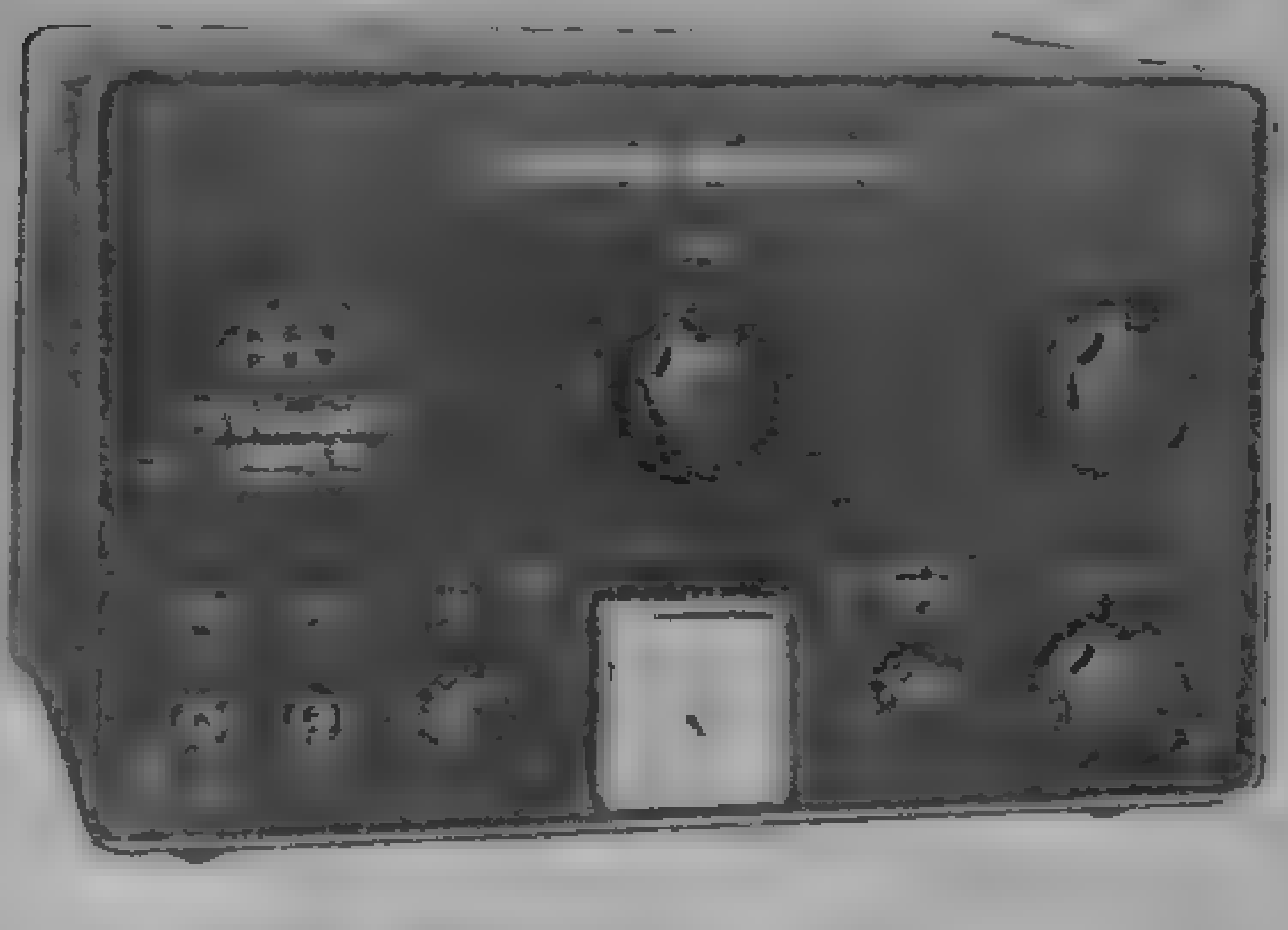
83 SU 868. MM-2 RF ANALYZER KIT. As above, in kit form. *$5 Down.* NET...**119.50**

94 S 818. RM-455 ADAPTER. For receivers with 450-500 kc IF's. 1 lb. NET........**9.95**

94 S 819. RM-50 ADAPTER. For receivers with 50 kc IF's. 1 lb. NET...........**9.95**

94 S 837. RM-80 ADAPTER. For receivers with 80 kc IF's. 1 lb. NET.. .. ..**9.95**

NEW P&H Linear Amplifier



MODEL LA-400-C. Latest version of the popular LA-400 grounded-grid linear amplifier series. Offering high power at minimum cost, this excellent transmitter utilizes straightforward design and high-quality components throughout. May be driven up to 800 watts P.E.P. with 100-watt exciters; up to 500 watts input with 30-watt exciters. For SSB, DSB, AM, CW, PM and FSK operation.

Completely bandswitched, the LA-400-C covers all Ham bands from 80 through 10 meters. Features untuned 50-ohm input; 4 modified 1625's in grounded-grid circuit; and 3-element pi-network to match any antenna or load from 50-75 ohms. Meter reads grid drive, plate current and RF amps output. Also has built-in heavy-duty power supply, recessed panel, and gray crinkle cabinet. TVI-suppressed and parasitic-free. 9x15x10½″. For operation from 105-125 v., 50-60 cycle AC. With all tubes. Wired and tested. Shpg. wt., 52 lbs.

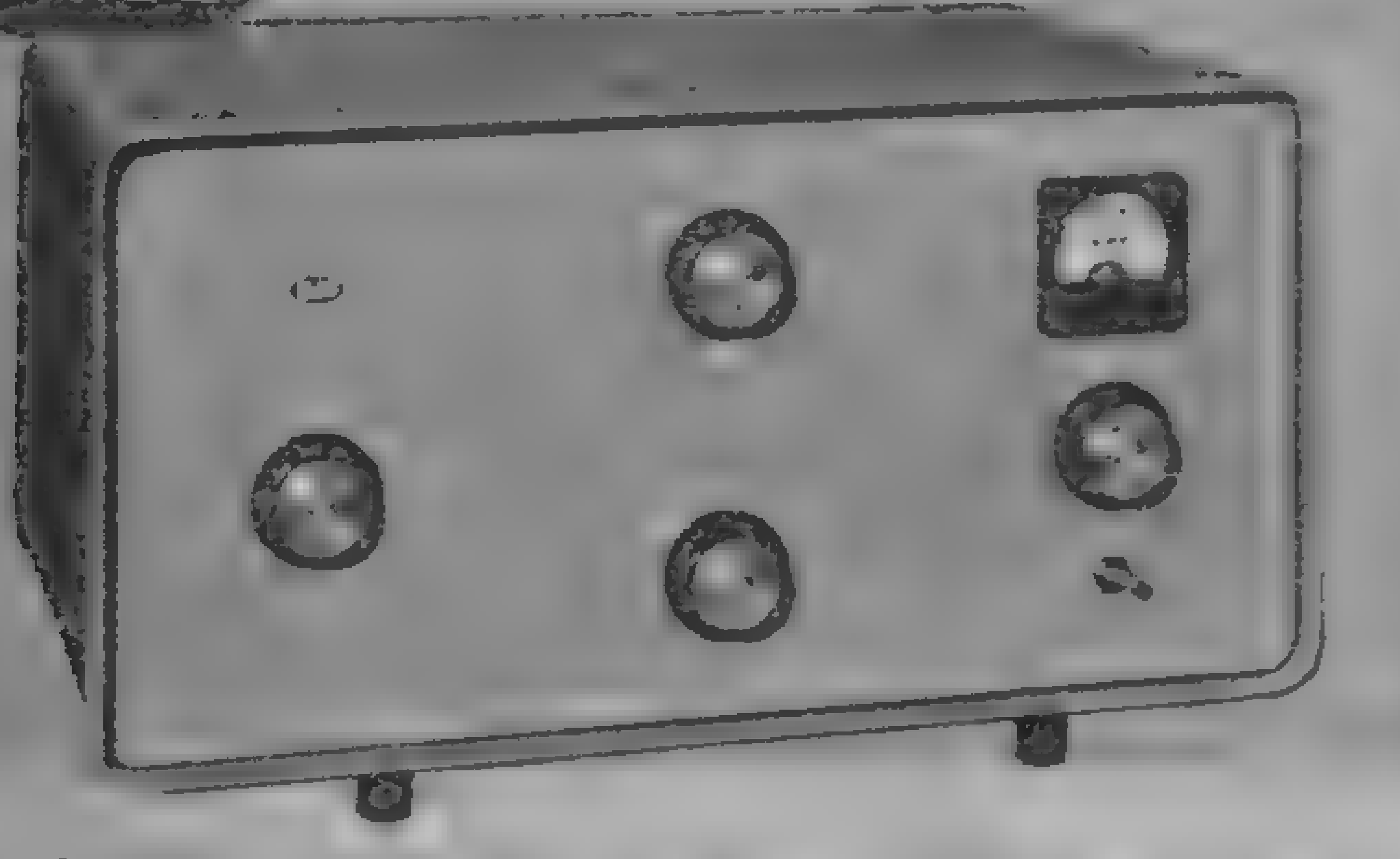
91 SZ 992. *$10 Down.* NET......**219.95**

MODEL LA-400-C KIT. Same features as above, but in easy-to-assemble kit form. Supplied complete with all necessary parts, tubes and instructions.

91 SZ 993. *$5 Down.* NET.......**164.95**

B&W

LPA-1 Linear Amplifier



Run a full kilowatt P.E.P. on SSB and CW with this excellently styled, easy-to-operate, B&W linear amplifier. The bandswitching LPA-1 covers all Ham bands from 80 through 10 meters, employing two 813 beam power tetrodes connected as high-mu triodes in a grounded-grid circuit. Features broadbanded input circuitry that requires no tuning. Can be easily driven by most exciters in the 100-watt class, such as the B&W 5100 series, Vikings I and II, Collins 32V series, etc. The compact, smartly housed LPA-1 takes up no more space at your operating position than a receiver. 50-75 ohm pi-network output. Supplied complete with tubes, built-in filament and bias supply for final amplifier, and blower. Size, 9¾x18¼x16″. Less power supply, below. Shpg. wt., 50 lbs.

77 SX 904. *Only $10 Down.* NET.....................**375.00**

LPS-1 POWER SUPPLY. A heavy-duty, separately encased high-voltage power supply for LPA-1 (above). Uses four 816 rectifiers in full wave single-phase bridge circuit. RF filtering protects mercury vapor tubes and prevents hash radiation. Supplied with tubes and cable for side-by-side connection to LPA-1. Size, 8x17x14″. For operation from 115 v., 60 cycle AC. Shpg. wt., 52 lbs.

75 SX 905. *Only $10 Down.* NET.... ....**205.00**

LPA-MU MATCHING UNIT. A small, compact bandswitching assembly, which effectively matches the impedance of a fixed-output driver-exciter to the LPA-1 amplifier. A bandswitching turret, the LPA-MU couples to the LPA-1 pi-network so that band-changing and line input matching to final are accomplished in one operation. Size, 5½x3½x1¾″. Shpg. wt., 9 lbs.

77 SX 906. *Only $2 Down.* NET.......................**36.00**

EICO

720-K Transmitter Kit

A handsomely styled, 90-watt CW transmitter in easy-to-build kit form. Covers 80-75, 40, 20, 15 and 10 meters with convenient bandswitching. Conservatively rated components are used throughout to assure highly dependable operation. Complete sealing of the cabinet, as well as careful bypassing and filtering of all input and output leads assure extremely effective TVI suppression. Makes a fine 65-watt plate-modulated AM phone rig when used with Model 730-K accessory modulator kit, listed below.

Employs crystal-controlled 6CL6 oscillator, 6AQ5 buffer-multiplier and 6146 final amplifier which is protected by a 6AQ5 clamper tube. Rectifier is GZ34. Oscillator keying permits fast break-in. Efficient pi-network antenna output matches any desired antenna load from 50 to 1000 ohms. Meter reads final grid and plate current. Size, 6x15x9″. With all parts, tubes, and instructions. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 27 lbs.

83 SU 056. *Only $5 Down.* NET......................**79.95**

77 SU 706. Model 720. Factory wired. *$5 Down.* NET....**119.95**

MODEL 730-K MODULATOR KIT. Ideal accessory for transmitter, above. Delivers a full 50 watts of undistorted audio. Multi-impedance output. Inputs for crystal or dynamic microphone and phone patch. Tubes: ECC83/12AX7 speech amp., 6AL5 clipper, 6AN8 driver, 2—EL34/6CA7 output; EM84 mod. indicator and GZ34 rectifier. Less cover, below. Size, 6x14x8″. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 21 lbs.

83 SU 057. *Only $2 Down.* NET......................**49.95**

77 SU 707. Model 730. Factory wired. *$5 Down.* NET......**79.95**

77 S 708. Cover for 730 or 730-K. Shpg. wt., 5 lbs. NET......**4.50**

▣ Drake 2-A Receiver

An advanced-design communications receiver offering peak SSB, AM and CW performance at moderate cost. Employs crystal-controlled HFO, a highly stable variable oscillator, and steep-sided L-C filter at the 50-kc IF for top selectivity. Covers 3.5-4.1, 6.9-7.5, 13.9-14.5, 20.9-21.5 and 28.5-29.1 mc Amateur bands with crystals supplied, plus additional frequencies in 600-kc segments with accessory crystals. Features include: separately tuned RF stage, slow or fast AVC action, accurate S-meter, and more than 60 db image rejection. Selectivity: 2.4 kc at 6 db down. Sensitivity: ½ µv for 10 db signal to noise. 7" slide-rule dial with 10 kc per division calibration; 1 kc per division on vernier. Continuous sideband selection without retuning, and distortion-free product detection. With 10 tubes plus rectifier, and 5 crystals. Size, 7x12x9". Less speaker. *Crystals for 28.0-28.6, 29.1-29.7 and non-Ham ranges available on special order.* For 110-120 v., 60 cycle AC. Shpg. wt., 14½ lbs.

77 SZ 898. *Only $10 Down.* NET....................269.95

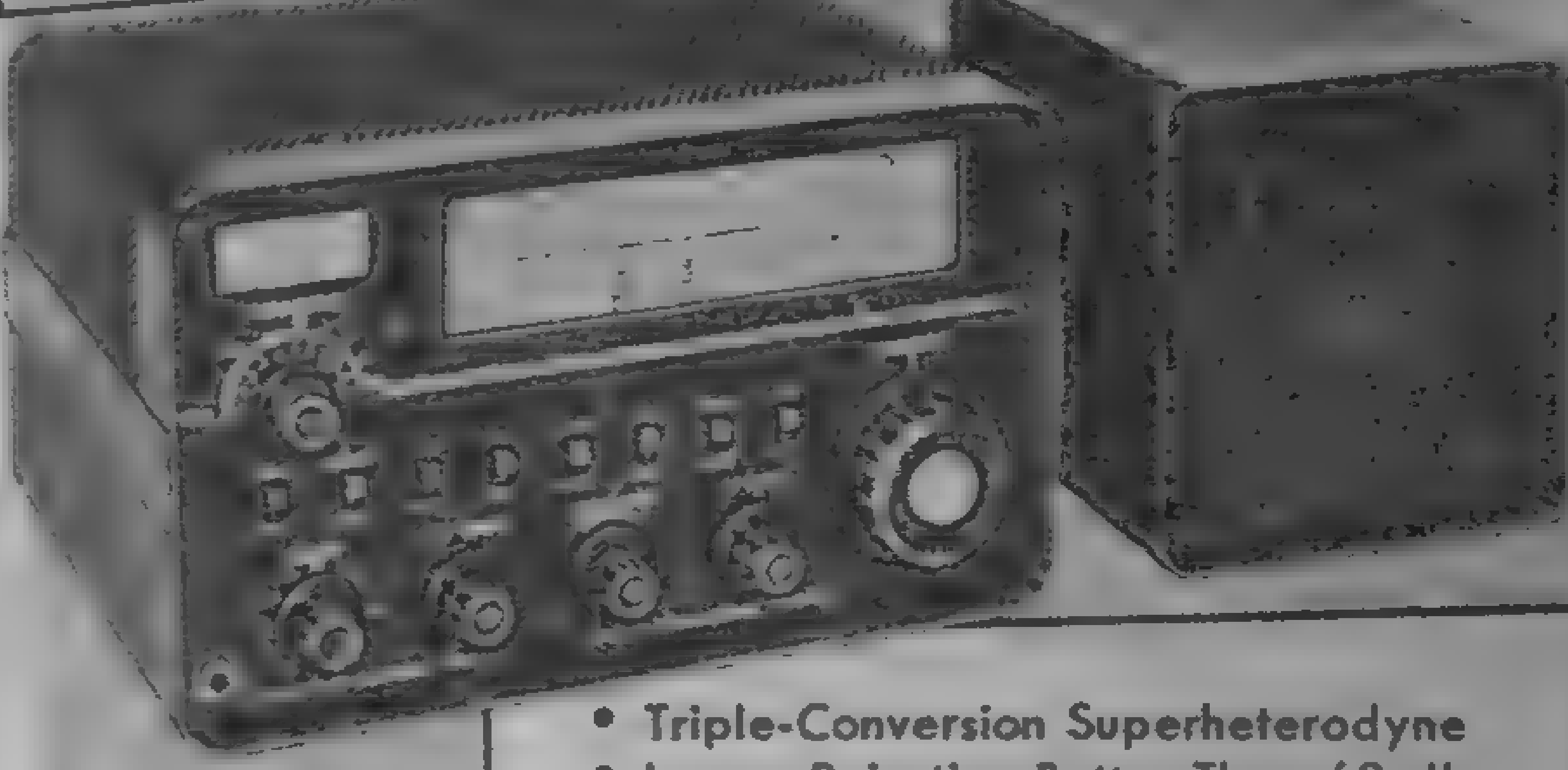
77 SX 899. **Model 2-AS Matching Speaker.** 4 lbs. NET.......12.95

77 S 372. **Model 2-AQ Combination Matching Speaker and Q-Multiplier.** For 2-A receiver, above. Shpg. wt., 5 lbs. NET........34.95

77 S 373. **Model 2-AC 100-kc Crystal Calibrator.** For 2-A receiver, above. Shpg. wt., 5 oz. NET............................16.95

NEW!

An Astounding Value!



- Triple-Conversion Superheterodyne
- Image Rejection Better Than 60 db
- Crystal-Controlled First Converter
- ½-µv Sensitivity for 10 db SNR

$10 down

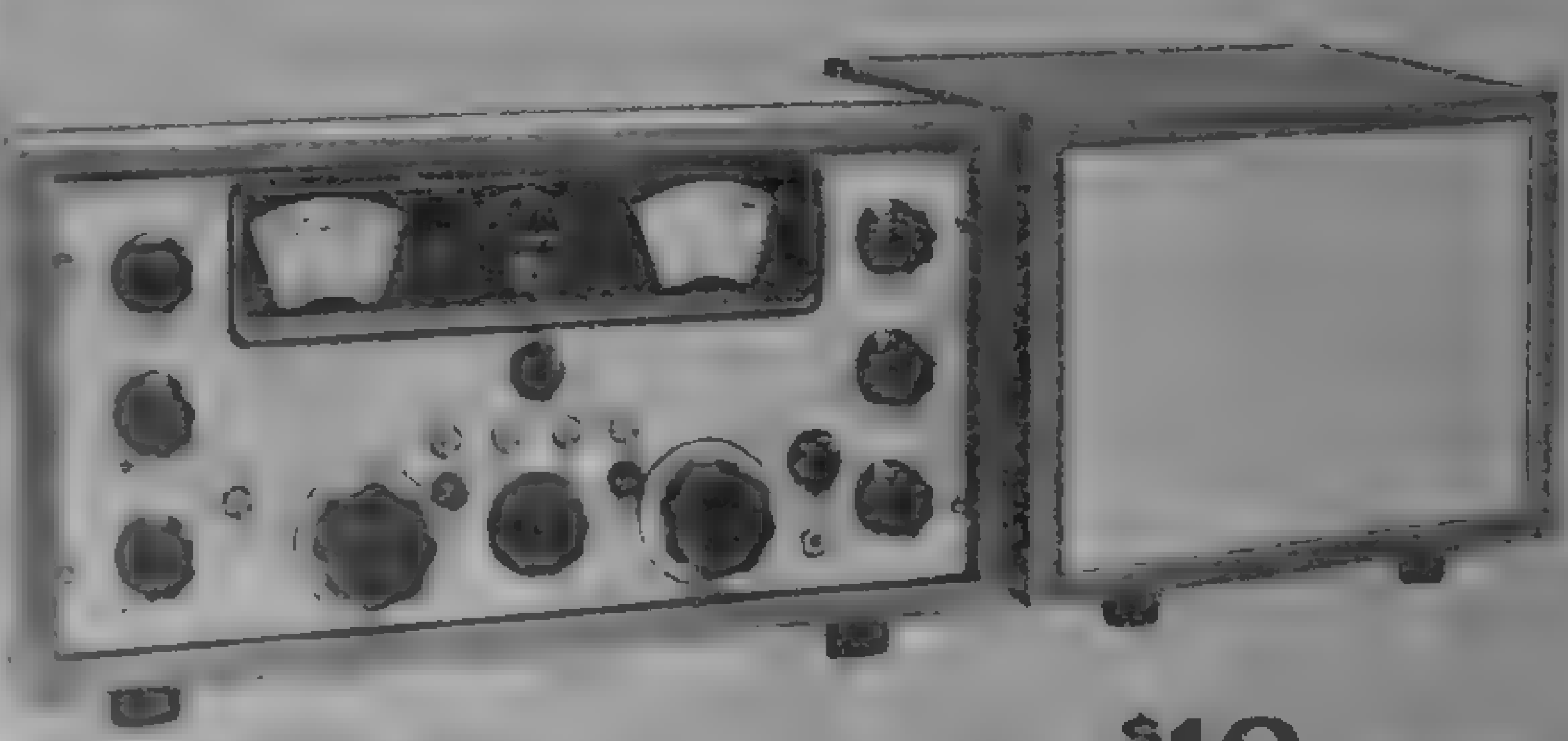
▣ ▣ TMC GPR-90 Receiver

A top-quality receiver covering 540 kc to 31 mc in six accurately calibrated bands. Full electrical bandspread for the 10-through-160 meter Ham bands. Dual conversion above 5.4 mc. Selectivity is variable in six steps from 200 cps to 5 kc, 5 crystal and 1 non-crystal. Above 1500 kc, sensitivity is better than 1 µv at 10 db SNR for AM, CW, MCW, FS and SSB signals. Built-in crystal calibrator provides 100-kc markers throughout tuning range. AVC output stays within 12 db when input signal is changing 80 db.

Also features: highly stable HFO and BFO, broad-band "feramic" input transformer, grounded-grid RF input stage, variable-bandwidth audio filter, calibrated S-meter, and noise limiter. Rear panel has SSB coaxial IF output and audio input, and utility power socket for 6.3 v. at 600 ma. and 250 v. at 10 ma. 75 ohms unbalanced or 300 ohms balanced antenna input. Size, 10x20x15". With 14 tubes, plus rectifier and VR. Less speaker. For 105-125 v., 50-60 cycle AC. Shpg. wt., 63 lbs.

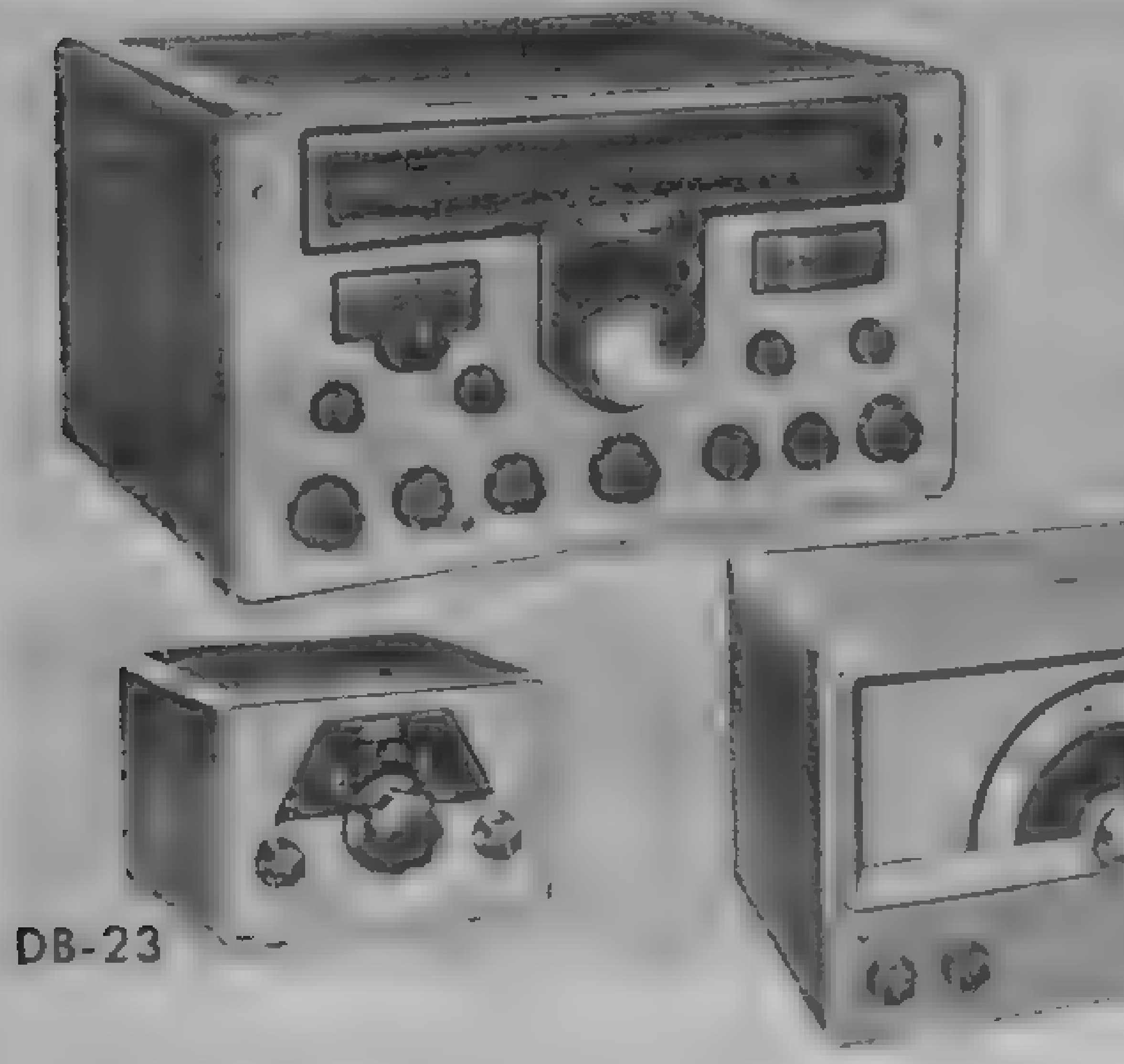
94 SZ 895. *Only $10 Down.* NET....................595.00

83 SX 891. **Matching Speaker for Above.** 11 lbs. NET.......16.00



GPR-90 with Speaker

only $10 down



RME

Deluxe
Triple
Conversion
Receiver

RME 6900 RECEIVER. A superb triple-conversion communications receiver offering optimum performance on SSB, AM or CW. Covers 80, 40, 20, 15 and 10 meter bands and 10-11 mc (for WWV, etc.). Features ingenious "Modemaster" selector switch for one-hand knob control of five functions; 10" single slide-rule tuning dial; tunable T-notch filter; separate SSB detector and selectable SSB channel (±3 kc); 500-cps, 2-kc and 3.5-kc selectivity plus "T"-notch heterodyne-rejection filter; hermetically sealed 100-kc crystal calibrator; adjustable-threshold noise limiter; fast-attack AVC circuit; S-meter; etc. With 12 tubes plus silicon rectifiers. 10x17x12⅛" Less speaker. For 110-120 v., 50-60 cycle AC. 36½ lbs.

77 SX 897. *Only $10 Down.* NET....................349.00

77 SX 374. **6901 Speaker.** For above. 6 lbs. NET..........19.50

DB-23 PRESELECTOR. A high-performance broadband preselector to boost the gain and signal-to-noise ratio of Amateur receivers from 80 through 10 meters. Minimum gain of 20 db; improves SNR 7.5 db. Requires no tuning. 3—6J6's plus rectifier. 5x7⅝x6". For 110-120 v., 50-60 cycle AC. Shpg. wt., 6½ lbs.

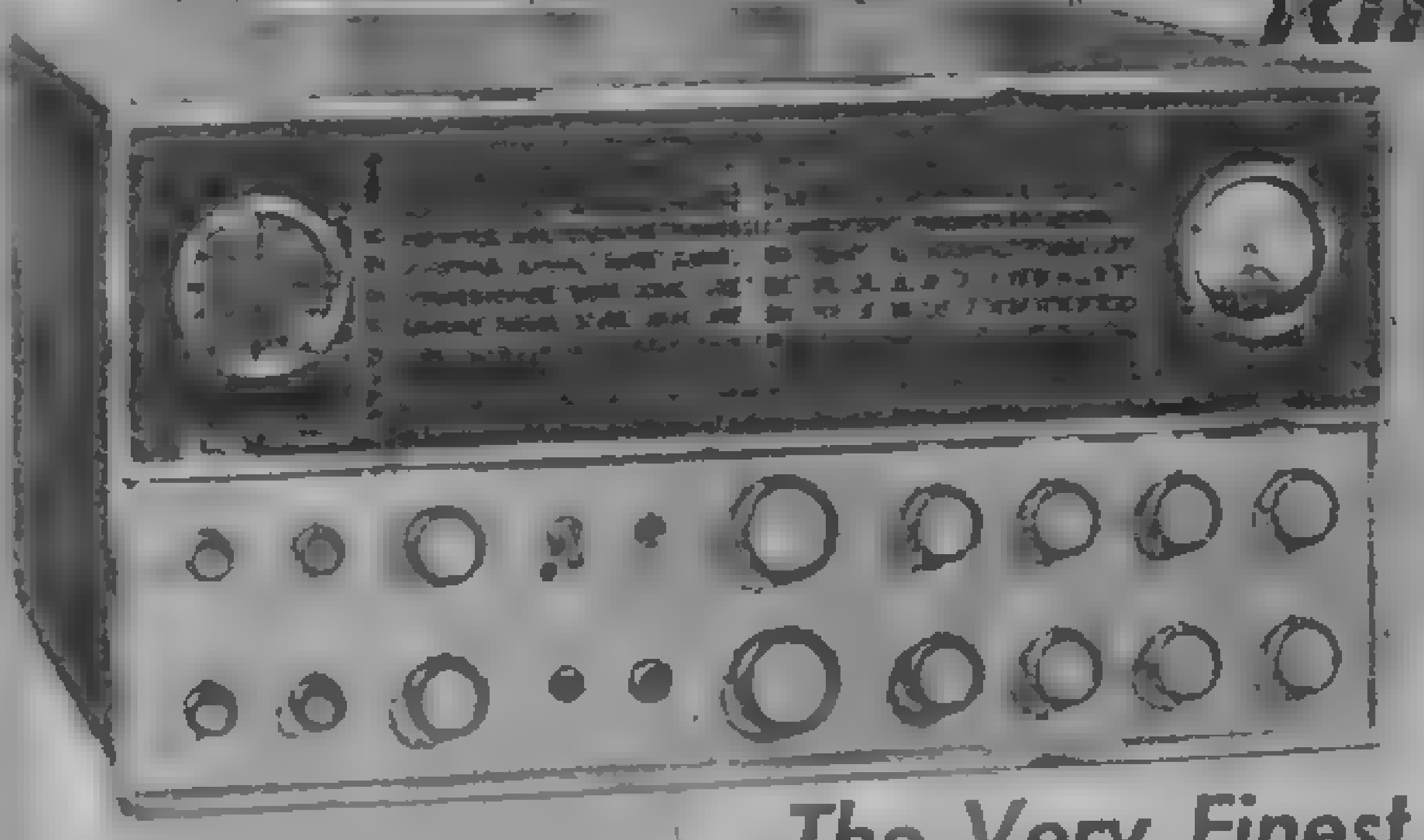
98 S 751. *$2 Down.* NET............................49.50

VHF-126 CONVERTER. A deluxe, tunable VHF converter for extending coverage of any communications receiver to the 6, 2 and 1¼ meter Ham bands. Ranges: 48.4-54.2, 143.4-149.2 and 219.4-225.2 mc. Sensitivity ½ µv with very low noise figure. 2 and 1¼ meter circuits have crystal-controlled oscillator and tunable IF. 9 tubes plus rectifier and VR. Size, 10x16½x10". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 36 lbs.

83 SU 598. *Only $10 Down.* NET....................239.00

Shown with AM, SSB and Scope Units

knight-kit



PACKS A
400
WATT
PUNCH

The Very Finest Rig
For the Radio Amateur

AM • CW
SSB

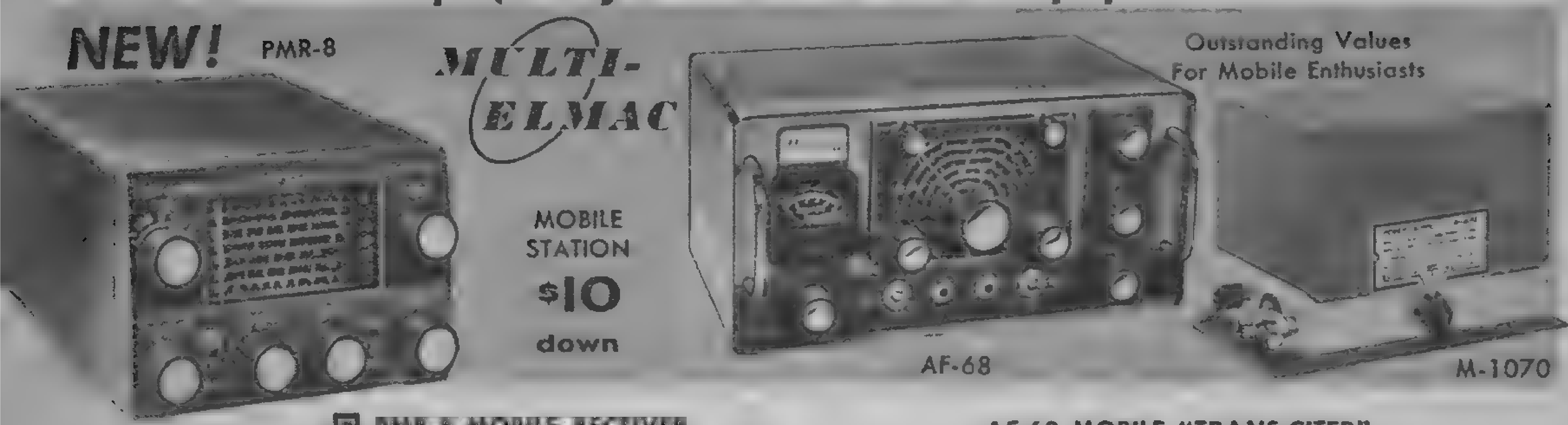
knight-kit T-400 Deluxe Transmitter

CW TRANSMITTER
ONLY
$495.00
just $10 down

The greatest Amateur transmitter kit value ever offered—no other transmitter gives you so many advanced features for your money. The T-400 covers the bands from 80 through 10 meters. The basic unit consists of a complete CW transmitter with built-in silicon-rectifier power supply, to which an AM modulator and SSB generator can be added. The 7034/4X150A final operates conservatively for prolonged tube life—a cool, 400 watts input on CW. Low frequency variable oscillator heterodynes with crystal oscillator (separate crystal for each band) to assure a VFO signal that "stays put." Other features include: chirpless screen-clamp keying for "perfect break-in" on CW; shielded VFO and final for TVI protection; edge-lit, slide-rule dial 14" long and 4" wide for accurate settings; and 40-600 ohm pi-network output. Unique modular design permits phone operation with AM modulator and SSB generator accessories, available in easy-to-assemble kits. Front-panel provision for 3" modulation monitor scope. A host of years-ahead features put the T-400 in a class by itself! *Be sure to see the Knight-Kit pages in this catalog for details.*

For unexcelled, build-your-own Ham gear, see this Catalog's Knight-Kit section. Choose from two versatile transmitters, two great receivers, and "must" accessories.

Top-Quality Amateur Mobile Equipment



▣ PMR-8 MOBILE RECEIVER

• Dual Conversion • Covers 7 Bands • ½-µv Sensitivity

An all-new double-conversion receiver designed for outstanding reception of CW, SSB and AM signals. Covers 80, 40, 20, 15, 10, 6 meters and standard broadcast band. 1st IF is 2238 kc, 2nd IF 262 kc. Has crystal-controlled 2nd converter for maximum stability. IF selectivity is 6 db down at 3 kc, 60 db down at 12 kc. Sensitivity: ½ µv for 10 db quieting and 500 mw output. Also features: calibrated BFO with selectable upper and lower sideband, highly effective automatic noise limiter, headphone jack, illuminated slide-rule dial, delayed AVC, etc. Tube filaments operate from 6 or 12 volts. Antenna input, 50-72 ohms. With tubes. Less power supply (below) and speaker. Size, 4½x9½x7". Shpg. wt., 8 lbs.

78 S 161. *Only $5 Down.* NET........................**189.50**

PSR-612 POWER SUPPLY. Especially designed for PMR-8 receiver above. Operates on 6 or 12 v. DC input. Size, 4½x4½x9½". With rectifiers and regulator. Shpg. wt., 10 lbs.

83 S 843. *$2 Down.* NET..............................**34.00**

AF-68 MOBILE "TRANS-CITER"

Transmitter-exciter covering the Ham bands from 80 through 6 meters. 60 watts input on AM and CW. Has VFO, 6146 final, pi-net output. Requires 475 v. DC @ 170 ma, 225 v. DC @ 60 ma, and 6 or 12 v. for filaments. Less power supply (see below) and microphone. Size, 6½x13¼x7½". Shpg. wt., 20 lbs.

77 SX 902. *Only $10 Down.* NET....................**205.00**

PS-2V 115V. AC POWER SUPPLY. For above. 7x11¼x8½". Wt., 30 lbs.

98 SU 760. *$2 Down.* NET..............................**49.50**

CFS-1 CONNECTING CABLE. Connects PS-2V to AF-68. Wt., 8 oz.

98 S 761. NET..**4.75**

M-1070 POWER SUPPLY

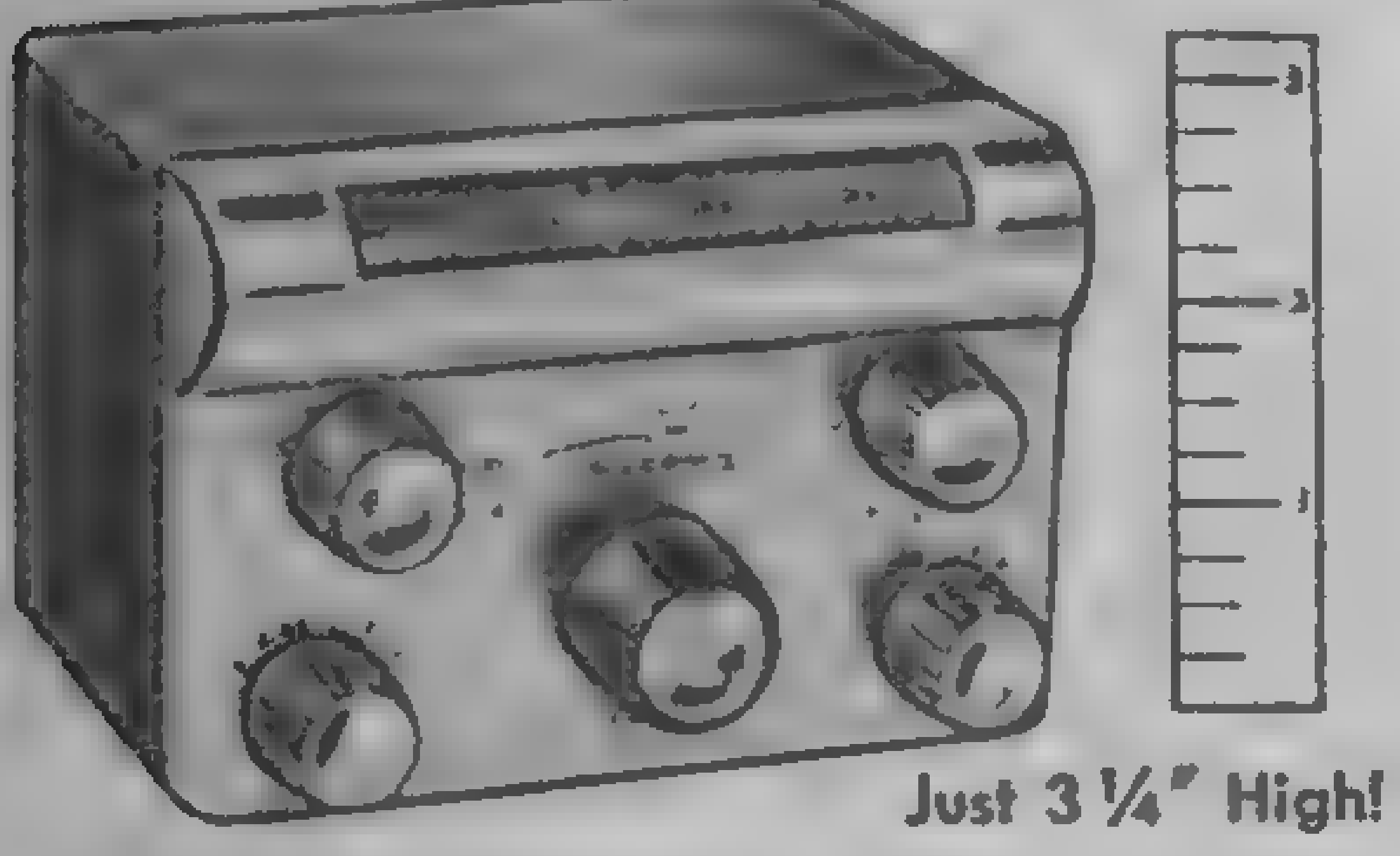
Will easily power both AF-68 (above) and PMR-8 (left). For 6 or 12 v. DC or 110 v., 50-60 cycle AC. 6x8x5". 15 lbs.

77 S 806. *$5 Down.* NET..............................**69.50**

M-1071 KIT. Same as above, but in easy-to-assemble kit form.

77 S 807. *$2 Down.* NET..............................**49.50**

Regency ATC-1 Converter



Just 3¼" High!

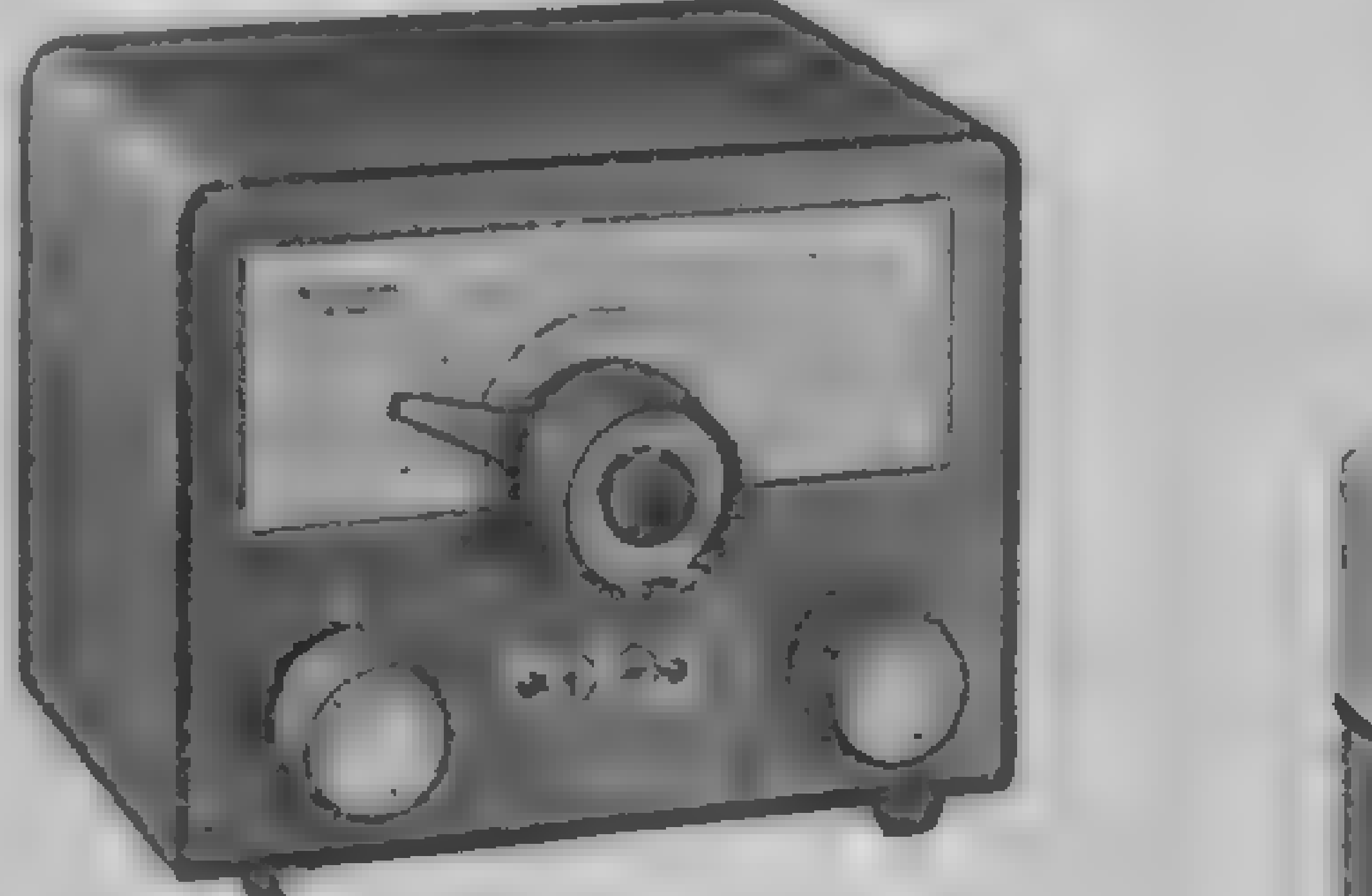
A unique, transistorized converter for the Amateur bands! Entirely self-contained and self-powered, this tiny converter provides amazing performance on SSB, AM and CW in the 80 to 10-meter bands. Operates with any radio receiver. Includes modified Q multiplier and BFO with variable injection. Has drum-type slide rule dial, break-in jack, high Q permeability-tuned coils. Less penlight cells (see below). Size, 3¼x4¾x4¹⁄₁₆". Shpg. wt., 2½ lbs.

99 S 167. *$5 Down.* NET.........**79.50**

BATTERIES FOR ATC-1. Converter requires 3. Shpg. wt. each, 2 oz.

53 J 031. NET EACH.................**10c**

National VFO-62



A deluxe, self-powered 6 and 2-meter VFO designed for extreme stability and versatility. Use with transmitters having 8-mc oscillator circuits for complete coverage of the 50 and 144-mc bands. Frequency stability better than 0.005% after warm-up. Plugs into transmitter crystal socket. Vernier drive provides precise tuning. Complete internal shielding. Can be used with 1-mc crystal as a crystal calibrator. Housed in rugged gray plastic cabinet for maximum mechanical stability. Size, 5¼x6½x5½". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 6 lbs.

92 S 386. *$2 Down.* NET.........**49.95**

▣ Pierson Mobile Equipment

- Dual-Conversion Superhet
- 7 Turret-Selected Bands
- "Solid As A Rock" Stability

KE-93 MOBILE RECEIVER. A 7-band, dual-conversion receiver covering the 160-10 meter Ham bands plus standard broadcast. Tunes AM, CW and SSB. Better than 1 µv sensitivity on Ham bands. 1st IF on 2.2 mc; 2nd IF on 265 kc. 3-kc selectivity, adjustable squelch, vernier tuning, exalted BFO, etc. With 11 tubes plus VR, and bracket for mobile mounting. Less speaker and power supply. 5⅛x6⅛x9". Wt., 12 lbs.

77 SU 777. *$10 Down.* NET.....**249.00**

HI-FI CAR SPEAKER. 6x9" oval. For use with KE-93. Matching audio curve. Wt., 3 lbs.

77 S 783. NET....................**10.00**

6-12 VDC POWER SUPPLY. For mobile operation of KE-93 receiver. Includes cables, plugs, etc. 5⅛x6⅛x5⅛". Shpg. wt., 10 lbs.

77 S 778. *$2 Down.* NET..........**49.50**

110-120 VAC POWER SUPPLY COMBINATION For KE-93. Includes built-in "S" meter and speaker in matching cabinet; cables and plugs. 5⅛x6⅛x9". Shpg. wt., 13 lbs.

77 S 779. *$2 Down.* NET..........**45.00**

National Portable Gear

▣▣ NC-66 PORTABLE RECEIVER

A versatile, highly popular, 3-way portable receiver. Use it anywhere—operates on AC, DC, or self-contained batteries. Tunes 150 kc to 400 kc and .50 to 23 mc, in 5 ranges. Covers long-wave, short wave, and standard broadcast bands. Has built-in 5" PM speaker; ferrite loop for broadcast band; whip antenna for short wave. Ideal for small craft. 9¹¹⁄₁₆x12⁵⁄₁₆x10". For 110-120 v., 50-60 cycle AC, DC, or battery. Less battery and direction finder, below. Shpg. wt., 16 lbs.

94 SX 832. *$5 Down.* NET.......**99.95**

BATTERY FOR NC-66. Shpg. wt., 6½ lbs.

80 J 616. NET......................**5.57**

RDF-66 DIRECTION-FINDER

Radio direction finder for use with NC-66 above. Accurate navigation aid for pleasure craft, etc. Built-in meter; one-null indication. 7x8½x10". Powered by NC-66. 8 lbs.

94 SX 836. *$2 Down.* NET.......**39.95**

Bell Microphone

MODEL CM-1SC. Single-button carbon mike. DPST push-to-talk switch. 85 ohms. 200-4000 cps. 4-ft. cord. 1½ lbs.

94 S 898. NET....**7.79**

MODEL CM-1CC. As above, with 5-ft. coiled cord.

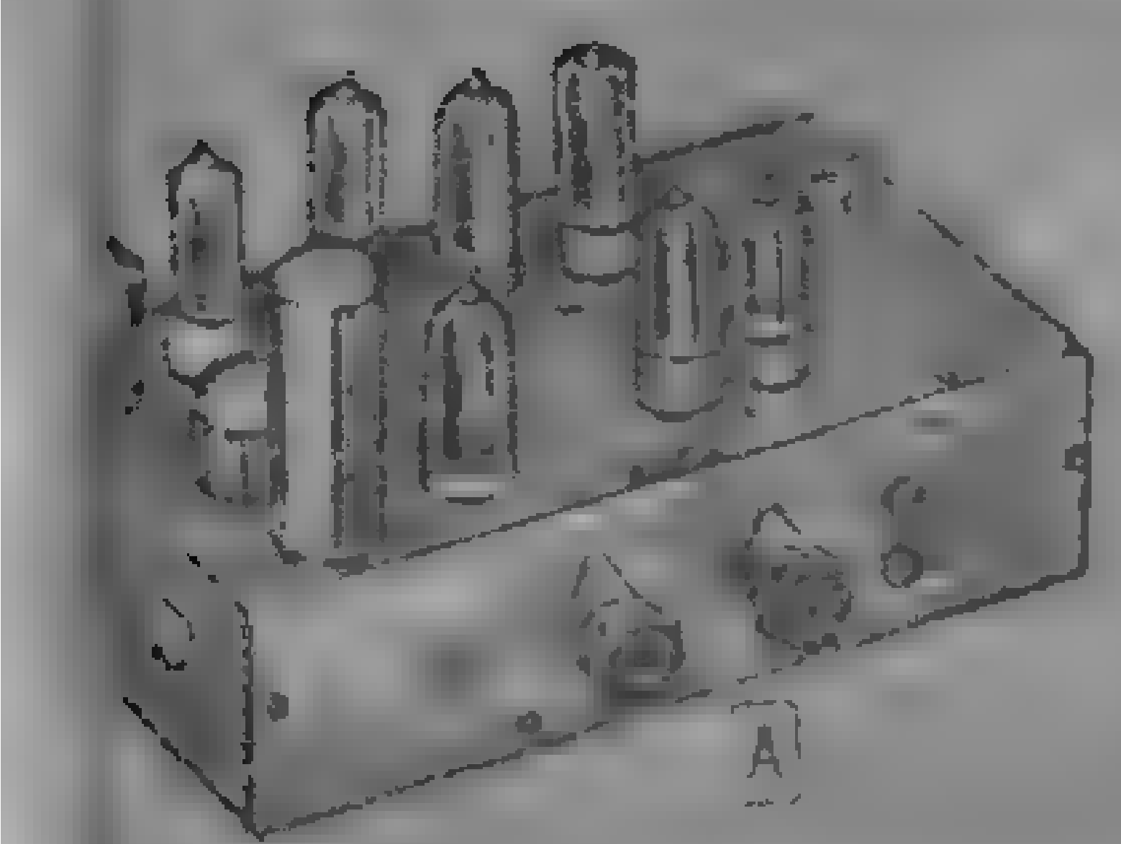
94 S 899. NET.....**9.75**

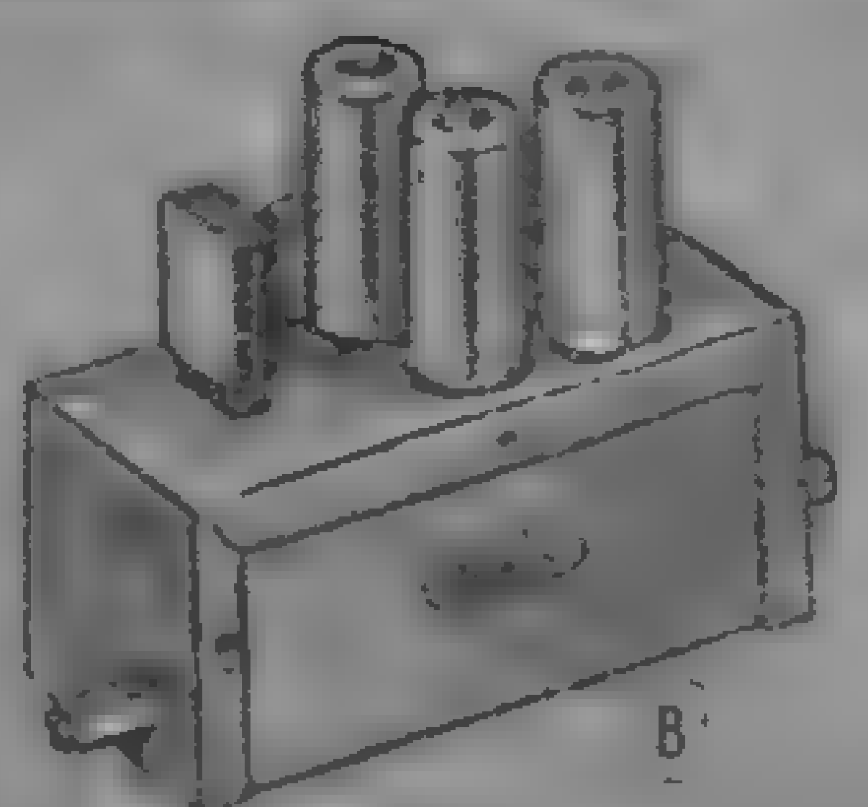
See Listings of Mobile Antennas and Accessories in This Catalog

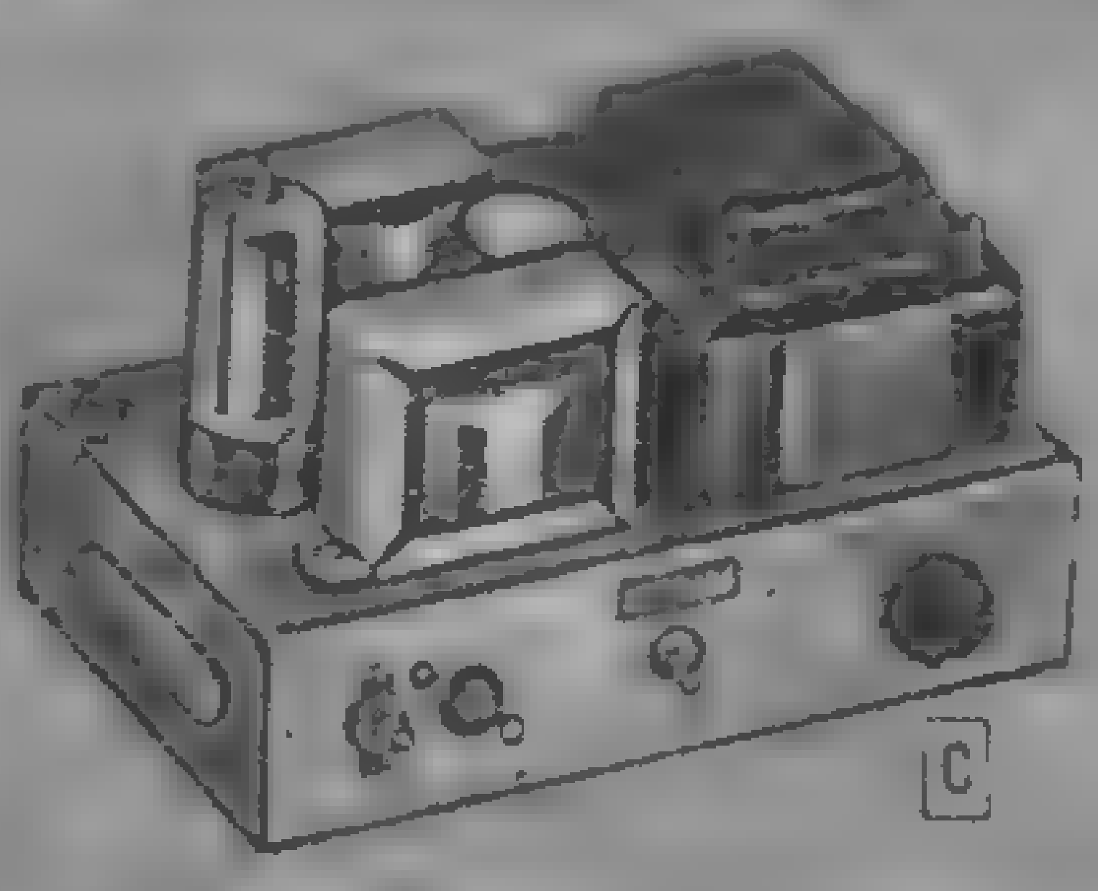
Are You In on the VHF Fun?

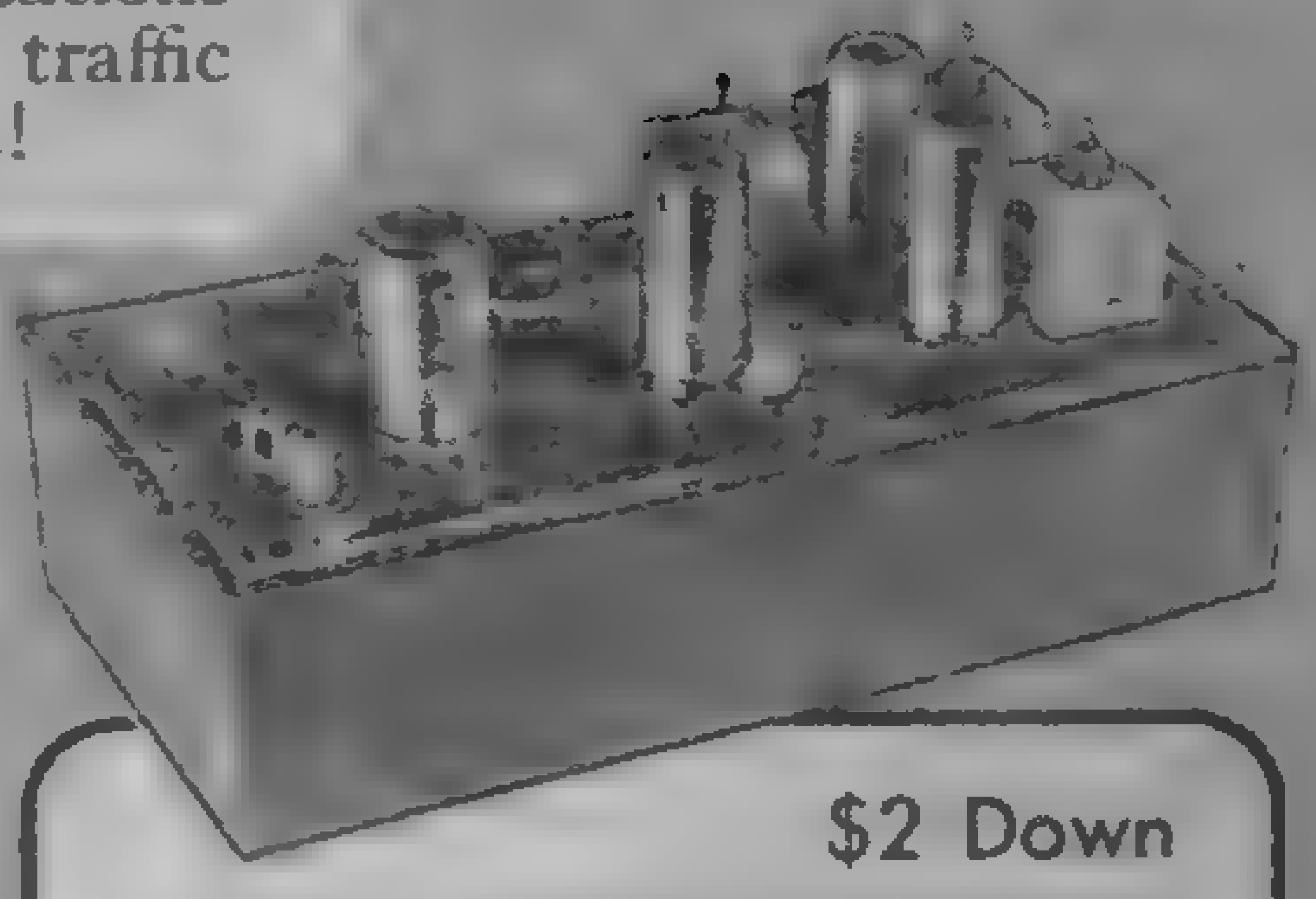
2 and 6-meter activity booms as never before. Thrill to inversion and aurora openings. Work far-away stations—meet new Ham friends. Ideal for mobile and traffic work, too. Make Allied your VHF Headquarters!

TECRAFT VHF GEAR









A **TR-20/50 TRANSMITTER.** 20-25 watts on 6 meters. Uses 8-mc crystals in Pierce oscillator—eliminates tricky overtone circuits. Final works straight through. 6AU6 osc., 5763 buffer-doubler, 6360 amp. 12AX7 speech, 2—6AQ5 mod. Requires 6.3 v. @ 3.89 amp and 250 v. DC @ ¼ amp. 9½x5½x5". With crystals. 5 lbs.
83 S 856. *$5 Down.* **NET**........**59.95**

TR-20/144 TRANSMITTER. Same as above, but for 2 meters. Has extra 5763 buffer-mult.
83 S 854. *$5 Down.* **NET**..........**59.95**

B **83 S 852. M-6 6 Mtr. Converter.** 2¼x5x2¼". 550-1550 kc output. For 50-51 mc. Xtal cont. needs 6.3 v. @ ¾ a., 100 v. DC @ 8 ma. 3 lbs. **NET**................**25.95**

C **83 S 855. PTR-2 Power Supply.** For all Tecraft units. 6.3 v. @ 6 a., 6.3 v. @ 4 a., 250 v. DC @ ¼ a. 5¾x9½x6". 110-120 v., 60 cycle AC. 17 lbs. *$2 Down.* **NET**..**39.95**

83 S 853. P-1 Power Supply. (Not illus.) For Tecraft converters. 6.3 v. AC @ 3 a., 200 v. DC @ 50 ma. 5½x9½x5". 110-120 v., 50-60 cycle AC. 6 lbs. *$2 Down.* **NET** .**19.95**

$2 Down

CC-50 6-METER CONVERTER

A deluxe unit with 36 db gain sensitivity; 1/10 µv for 6 db SNR. Noise figure: 4 db. Has 4-mc passband, down 6 db at 6 mc. Output: 14-18 mc, crystal-controlled. Covers 50-54 mc. Requires 6.3 v. @ 2 a., 150-250 v. DC @ 43 ma. With tubes, crystal. 9½x3x4½". 5 lbs.
83 S 858. **NET**..........**44.95**

CC-144 CONVERTER. As above, but for 2 meters; covers 144-148 mc.
83 S 857. **NET**............**44.95**

SELECTED AMATEUR ACCESSORIES

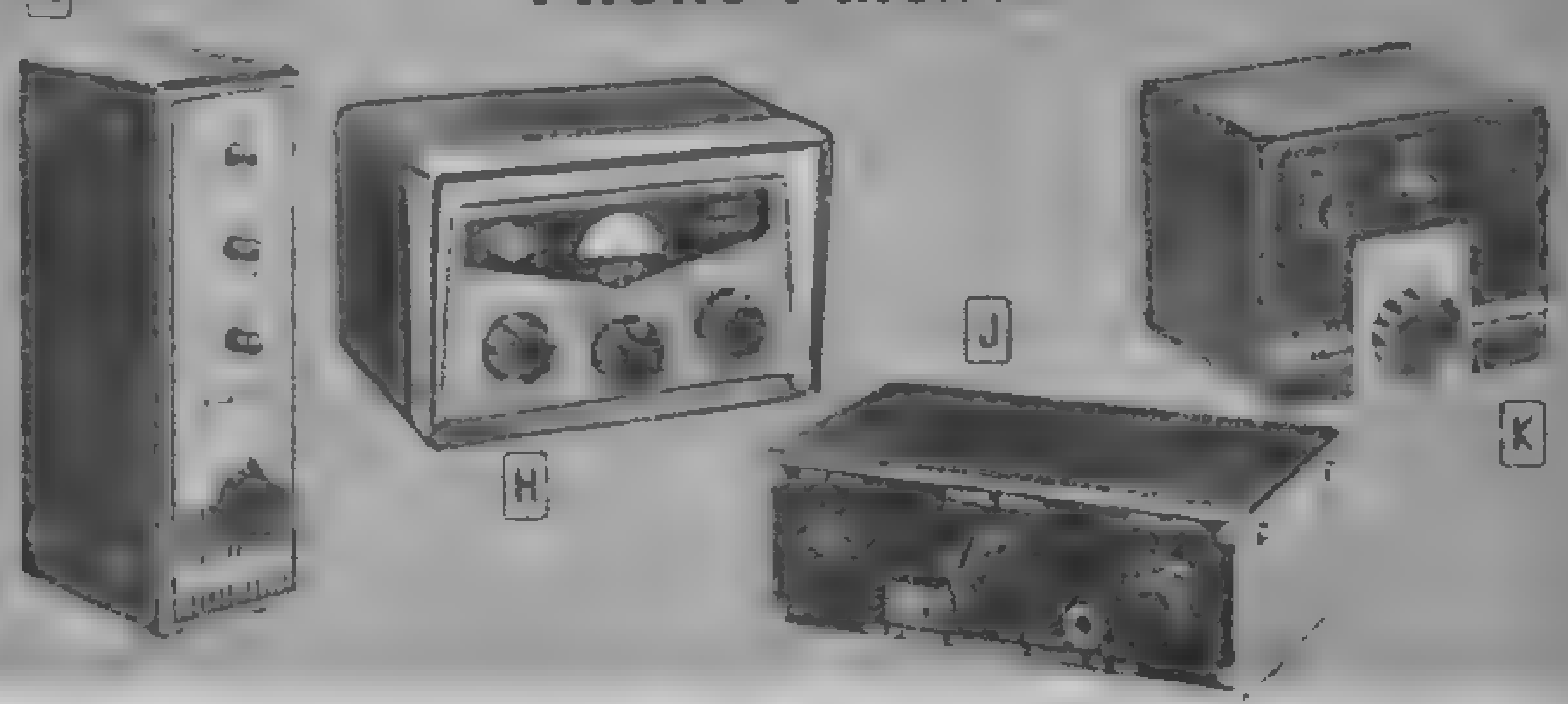
Transistorized Power Supplies

D **KUPFRIAN MODEL CA-1252-10.** Converts 12-v. battery DC to high-voltage DC. Resists shock, moisture, vibration. Ripple: 0.4%. 80% efficiency. Output: 500 v. DC @ 200 ma or 250 v. DC @ 400 ma. Just 2¼x4⅛x3⅜". 2 lbs.
77 S 780. *$5 Down.* **NET**....................**54.00**

E **CORNELL-DUBILIER MODEL 12TP12.** Efficient 12-v. DC supply delivers: (1) 500 v. @ 240 ma on 50% basis; (2) 250 v. @ 100 ma on 100% basis, with 500 v. @ 150 ma on 50% basis; (3) 250 v. @ 240 ma on continuous basis. 10.5-14.5 v. DC input. Ripple ¼%. 5¼x4¼x3". 2½ lbs.
77 S 848. *$5 Down.* **NET**....................**58.80**

F **WEBSTER MODEL 12DC500.** A compact, dependable source of high-voltage DC from any 12-v. input. Delivers 500 v. DC @ 200 ma or 250 v. DC @ 100 ma or in combination for 100 watts output continuous up to 125° F. ambient. Regulation: less than 10% at ½ to full load. Ripple: less than 0.1% at full load (RMS). 4¹⁄₃₂x7¹³⁄₁₆x4⁷⁄₁₆. 15 lbs.
78 SZ 160. *$5 Down.* **NET**.....................**73.50**

Phone Patches



G **JOHNSON 250-46.** New Viking hybrid-transformer type. Provides push-to-talk or manual operation, plus voice-control operation for SSB, DSB or AM. Adjustable line-null control. Separate gain controls for transmitter and rec. inputs. RF filtering and by-passing. Well shielded. 6x2x2½". 3 lbs.
77 S 818. *$2 Down.* **NET**.**25.00**

H **GONSET GPP-1.** Advanced design patch for use with all popular equipment. VU meter for monitoring phone line levels. No manual switching when used with VOX on SSB gear. Completely shielded and RF by-passed. 4x6⅛x7⅞". 105-125 v., 50-60 cycle AC. 5 lbs.
77 S 773. *$2 Down.* **NET**.**44.50**

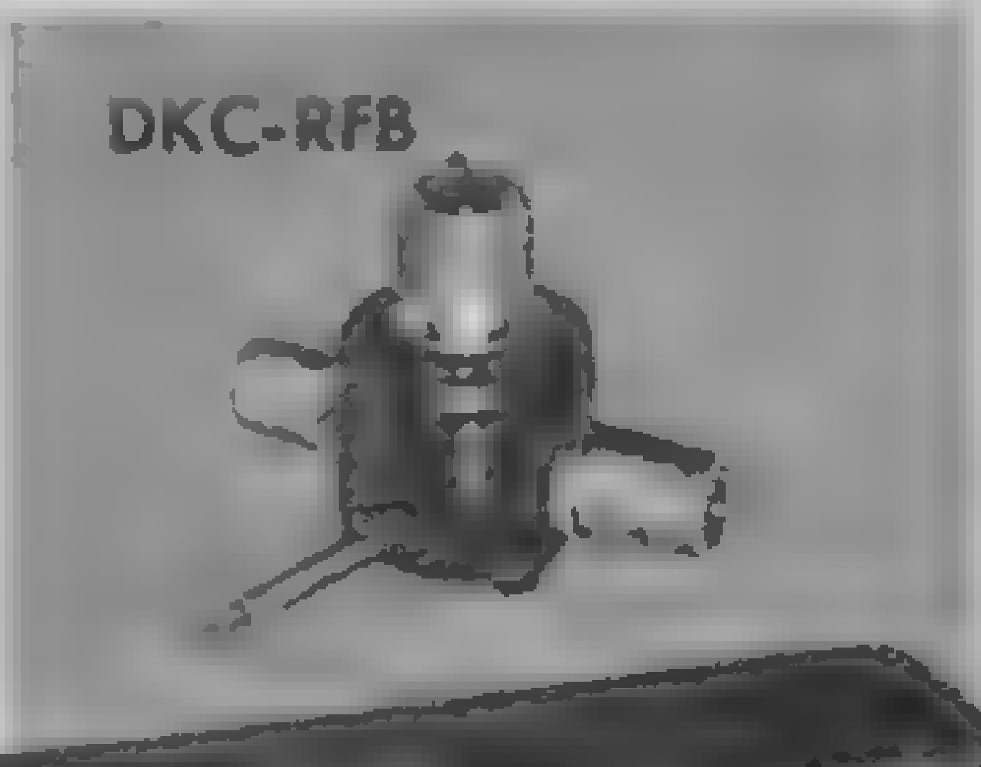
J **RAYPAR TE-1.** For all popular equipment—includes balanced hybrid system for automatic control of VOX system. Built-in mike connectors for press-to-talk rigs. 2½x6¾x4⅝". 3½ lbs.
77 S 755. **NET**...........**32.50**

TE-1A. As above but for transmitters not equipped for press-to-talk.
77 S 756. *$2 Down.* **NET**...**32.50**

K **DRAKE 584-A.** Hybrid patch for use with VOX. Nulls rec. output 20 db. 4-ohm rec. input, high-imped. transmitter output. 4⅜x5x5". 4 lbs.
77 S 652. **NET**..........**34.95**

584-C. As above, but for KWS-1, 75A-4, KWM-1, 32S-1, 75S-1.
77 S 653. *$2 Down.* **NET**...**34.95**

Dow-Key Preamplifier


DKC-RFB

MODEL DKC-RFB. A broadband coaxial preamp specially designed for less sensitive receivers needing "front-end" drive. Increases gain 6 to 36 db from 1.5-30 mc. Small, compact, and lightweight. No adjustments needed. Requires 125-175 v. DC at 7 ma and 6.3 v. at 0.3 amps. For fixed or mobile use. Size, 1¾x2". Shpg. wt., 8 oz.
77 S 703. **NET**..................**10.75**

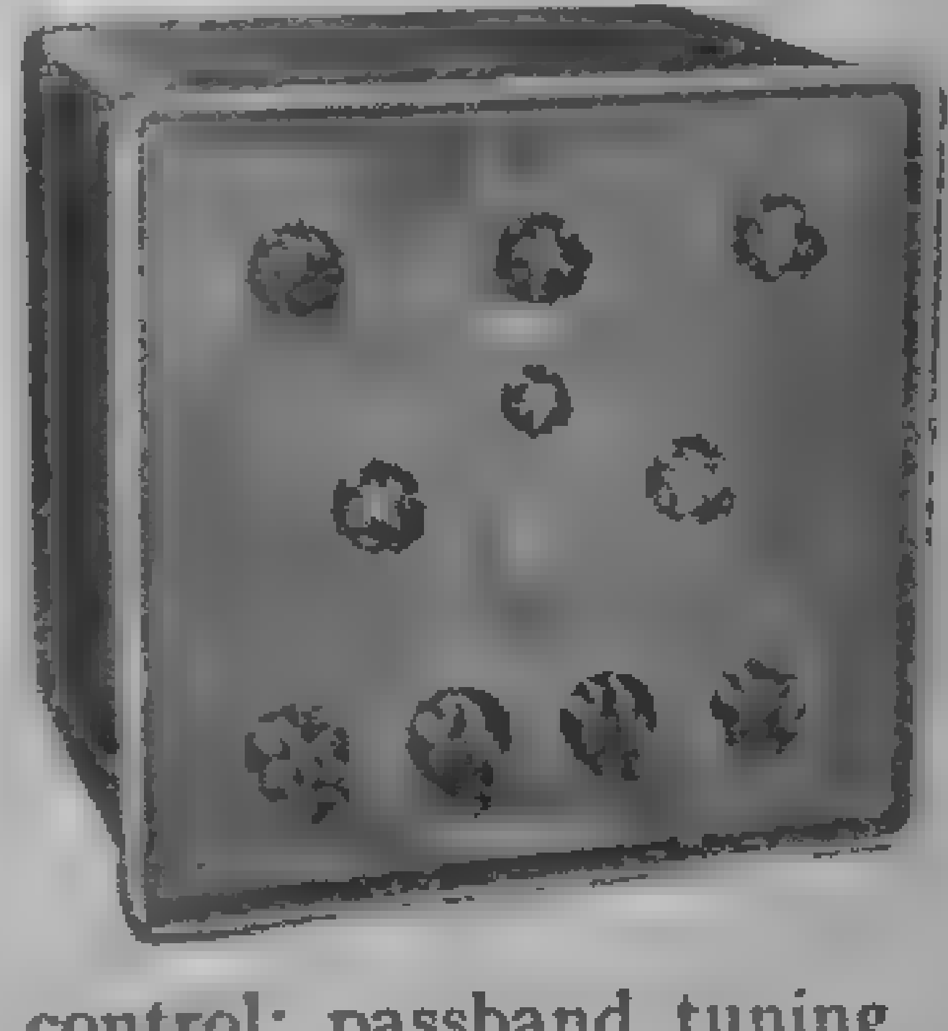
Ameco Conelrad Monitor

CD-1

MODEL CD-1. A low-cost unit for converting any radio having AVC into an effective alarm system. Loss of broadcast station carrier removes AVC from trigger tube causing warning tone. Function switch mutes radio for monitoring. Size, 6¼x3¾x2". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 2½ lbs.
94 S 888. **NET**..................**14.95**

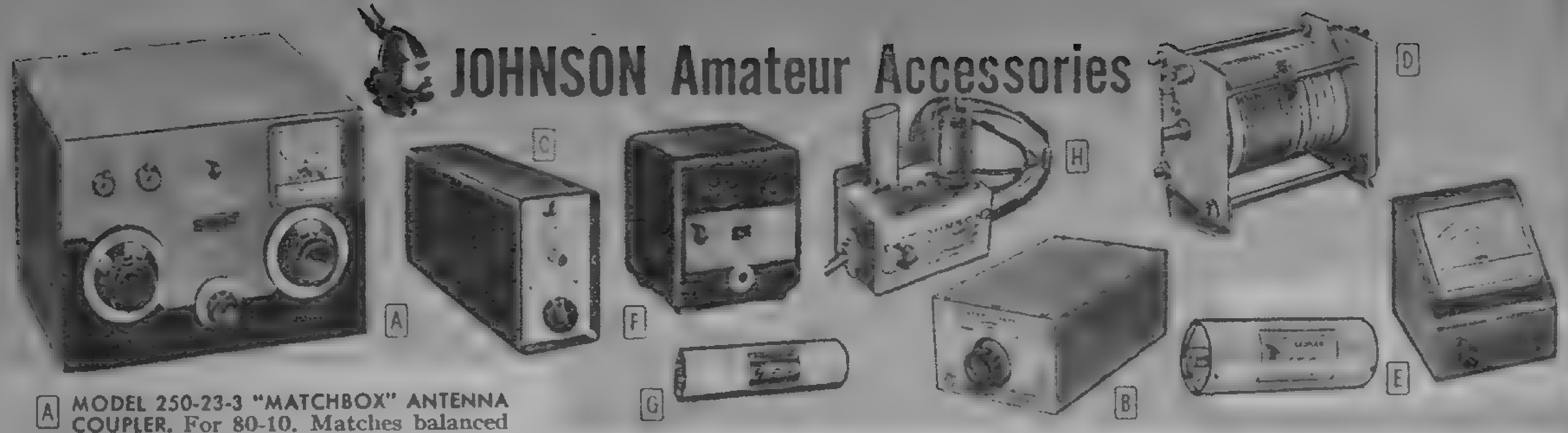
Hammarlund HC-10 Converter

- **For SSB, AM, CW, MCW**
- **Sensitive Linear Detector**
- **Adjustable Slot Filter**



A self-powered IF and audio converter providing the ultimate in SSB, AM, CW and MCW reception. For any receiver having a 450-500-kc IF. Easy to install. Razor-sharp slot filter adjustable ±5-kc over passband for better than 40 db attenuation. Linear product detector; 3-speed AVC control; passband tuning control ±3-kc for easy SSB reception; 7 selectivity positions. 9 tubes plus rectifier. 9¼x9¼x7⅛". Less speaker. For 110-120 v., 50-60 cycle AC. 17 lbs.
94 SX 823. *Only $5 Down.* **NET**...............**149.00**

JOHNSON Amateur Accessories



A MODEL 250-23-3 "MATCHBOX" ANTENNA COUPLER. For 80-10. Matches balanced antennas from 25 to 1500 ohms and unbalanced or single-wire antennas from 25 to 3000 ohms. Features built-in directional coupler indicator. Continuously monitors either incident or reflected (SWR) transmission line power. Permits quick tuning for maximum input to antenna. Coax input. 52-ohm imp.; rated 275 watts. Transmit-receive relay. 7x9⅞x10½". 13 lbs.

77 SX 770. *$5 Down.* NET........**86.50**

MODEL 250-30-3. Similar, but for outputs to 1 kw. Takes balanced antennas from 50-1500 ohms, unbalanced from 50-2000 ohms. 10⅞x17¼x12⅛". Wt., 28 lbs.

77 SX 771. *$5 Down.* NET.......**149.50**

MODEL 250-23. Same as 250-23-3, but less directional coupler and indicator. 7x9⅞x10½". Shpg. wt., 11 lbs.

99 SX 026. *$5 Down.* NET........**54.95**

MODEL 250-30. Same as Model 250-30-3, but less coupler and indicator. 27 lbs.

99 SX 016. *$5 Down.* NET........**124.50**

B MODEL 250-42-1 ATTENUATOR. 6 db T-pad. Max. dissipation, 45 watts (120 with 75-watt bulb); input, 60 watts. 350-ohm SO-239 sockets. 3⅛x4½x9⅛". 2 lbs.

77 S 802. *$2 Down.* NET..........**21.50**

MODEL 250-42-3. Similar, but handles 70 watt input. 50-ohm impedance. 2 lbs.

77 S 803. *$2 Down.* NET...........**21.50**

250-29 POWER REDUCER. (Not illus.) Permits driving Viking amplifiers with medium-power transmitters. 3½x2½" dia. 1 lb.

99 S 015. NET............**13.95**

C VIKING 6N2 CONVERTERS. Permit excellent 6 and 2 meter reception with any communications receiver. Provide instant, front-panel bandswitching from normal receiver operation to either 6 or 2 meter operation. Crystal-controlled broadband type—simply tune receiver to cover band. *Cover 50-52 and 144-146 mc; others provide full-band coverage. Uses 6ES8 dual-triode RF amplifier in a neutralized cascode circuit, for maximum sensitivity and low noise. Manual RF gain control plus mixer grid-leak self-regulating action, prevents overloading. Double-tuned interstage circuits provide maximum image and IF rejection. Compact size, 5x2¾x12". For 110-120 v., 50-60 cycle AC. Shpg. wt., 5 lbs.

Stock No.	Model No.	For Receivers Covering:	NET EACH
MODELS IN KIT FORM			
77 S 765	250-43-1	26 to 30 Mc.	59.95
77 S 766	250-43-2*	28 to 30 Mc.	
77 S 767	250-43-3	14 to 18 Mc.	
FACTORY-WIRED MODELS			
77 S 717	250-43-12	26 to 30 Mc.	89.95
77 S 718	250-43-22*	28 to 30 Mc.	
77 S 719	250-43-32	14 to 18 Mc.	

D ROTARY INDUCTORS. For multi-band tank circuits. 1½ lbs.

No.	Type	Size	Max. µh	NET EACH
60 H 372	229-201	4⅜ x2½x2 21/32"	10	9.50
60 H 373	229-202	5 29/32x2½x2 21/32"	18	10.50
60 H 374	229-203	7 5/16 x2½x2 21/32"	28	11.50

E MODEL 250-37 DIRECTIONAL COUPLER. Monitors SWR and relative power in 52-ohm lines. 1 kw, 1.7-150 mc. Use with multimeter, or indicator below. 2 5/16x6¼". Shpg. wt., 2 lbs.

92 S 380. NET..................**11.75**

250-38 INDICATOR. 4⅝x4x4¼". 4 lbs.

92 S 379. *$2 Down.* NET......... **25.00**

F MODEL 250-25 SIGNAL SENTRY. For monitoring phone or CW on all bands. Requires no tuning. Also useful as code practice oscillator. Plug provided fits phone jack of receiver; headphones plug into Signal Sentry. RF probe coupled loosely to transmitter provides signal. Mutes receiver; ideal for break-in CW. Requires 250 v. DC at 5 ma., 6.3 v. at 0.6 amp. 3⅞x3⅝x3¾". With cables, connectors. 3 lbs.

99 S 017. *$2 Down.* NET.........**22.00**

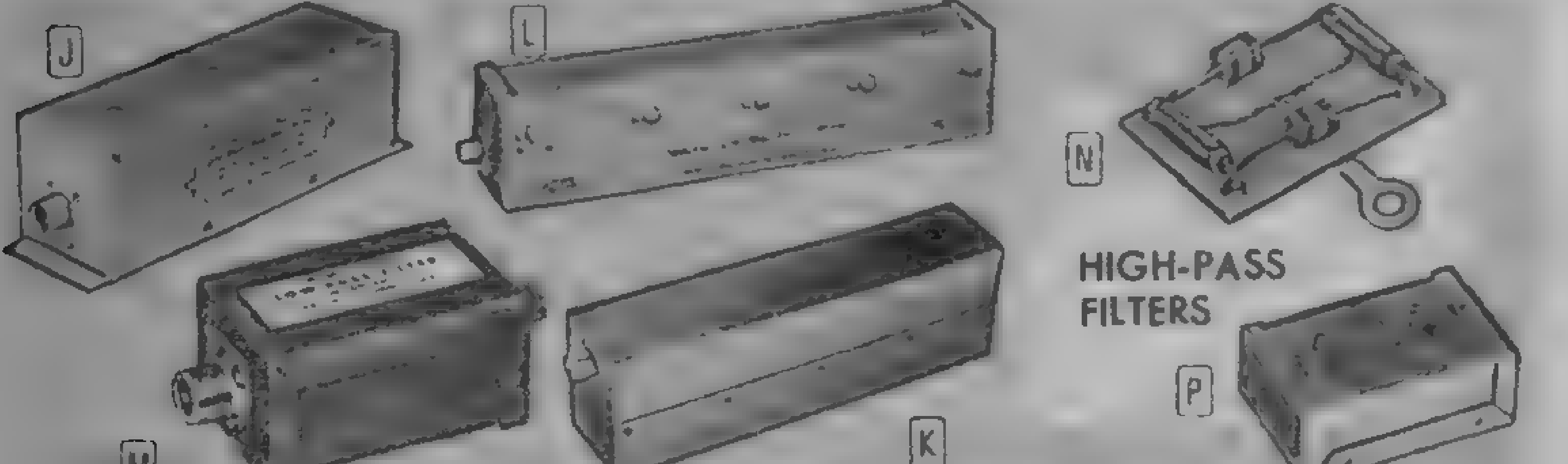
G MODEL 250-20 LOW-PASS FILTER. TVI filter; 4 shielded sections. Handles 1 kw. 100% modulated. 75-db attenuation of harmonic and spurious frequencies above 54 mc—insertion loss less than ¼ db. 52-ohm coax connectors. 9x2 5/16" dia. 3 lbs.

98 S 055. NET..................**14.95**

H MODEL 250-28 CRYSTAL CALIBRATOR 100-kc crystal standard. Produces 100-kc check points up to 55 mc. With tube, crystal, cable and extension leads. 3⅝x2½x1½". Requires 6.3 v. @ .15 amp and 150-300 v. DC. @ 2 ma. Wt., 1 lb.

99 S 039. NET..................**17.95**

TVI Filters For Transmitters and TV Sets



J DRAKE LOW-PASS FILTERS. For 52-ohm coax. Ideal for 6 meters; cutoff is 52 mc.

77 S 743. TV-1000-LP. Rated 1 kw, RF, through 10 meters; 200 watts on 6 meters. Shpg. wt., 2 lbs. NET..............**14.95**

77 S 744. TV-100-LP. Rated 100 watts, RF, through 10 meters; 20 watts on 6 meters. Shpg. wt., 1 lb. NET................**5.95**

K B&W 425 LOW-PASS FILTER. 52 ohms. 1 kw. Two "M" end sections; 4 constant-K center sections. 85 db attenuation on TV channels. 11x3x2". 1½ lbs.

77 S 613. NET...................**17.10**

MODEL 426. As above, but for 72-ohm lines.

77 S 614. NET...................**17.10**

L BUD LF-601A LOW-PASS FILTER. For 52 or 72-ohm lines. 1 kw. Cutoff: 42 mc. Min. attenuation: 85 db above 54 mc; 93 db above 70 mc. 12x2½x2¼". 2½ lbs.

73 S 047. NET...................**16.90**

M AMECO LN-2 LOW-PASS FILTER. 1-section filter handles up to 200 watts RF. For 52 to 72-ohm coax. Has 2—SO-239 connectors, bracket. 4⅝x2⅜x1¾". 1 lb.

77 S 675. NET **3.75**

N AMECO HP-45 HIGH-PASS FILTER. Effectively attenuates all signals below 45 mc. Greatly reduces TV interference—provides 40 db attenuation at 14 mc and below; 20 db at 10 meters. Extremely easy to install; one side goes to antenna input of TV set, other side connects to antenna lead-in. For sets with 300-ohm inputs. Size, 1⅛x⅞x¾". Shpg. wt., 3 oz.

77 S 673. NET...................**95c**

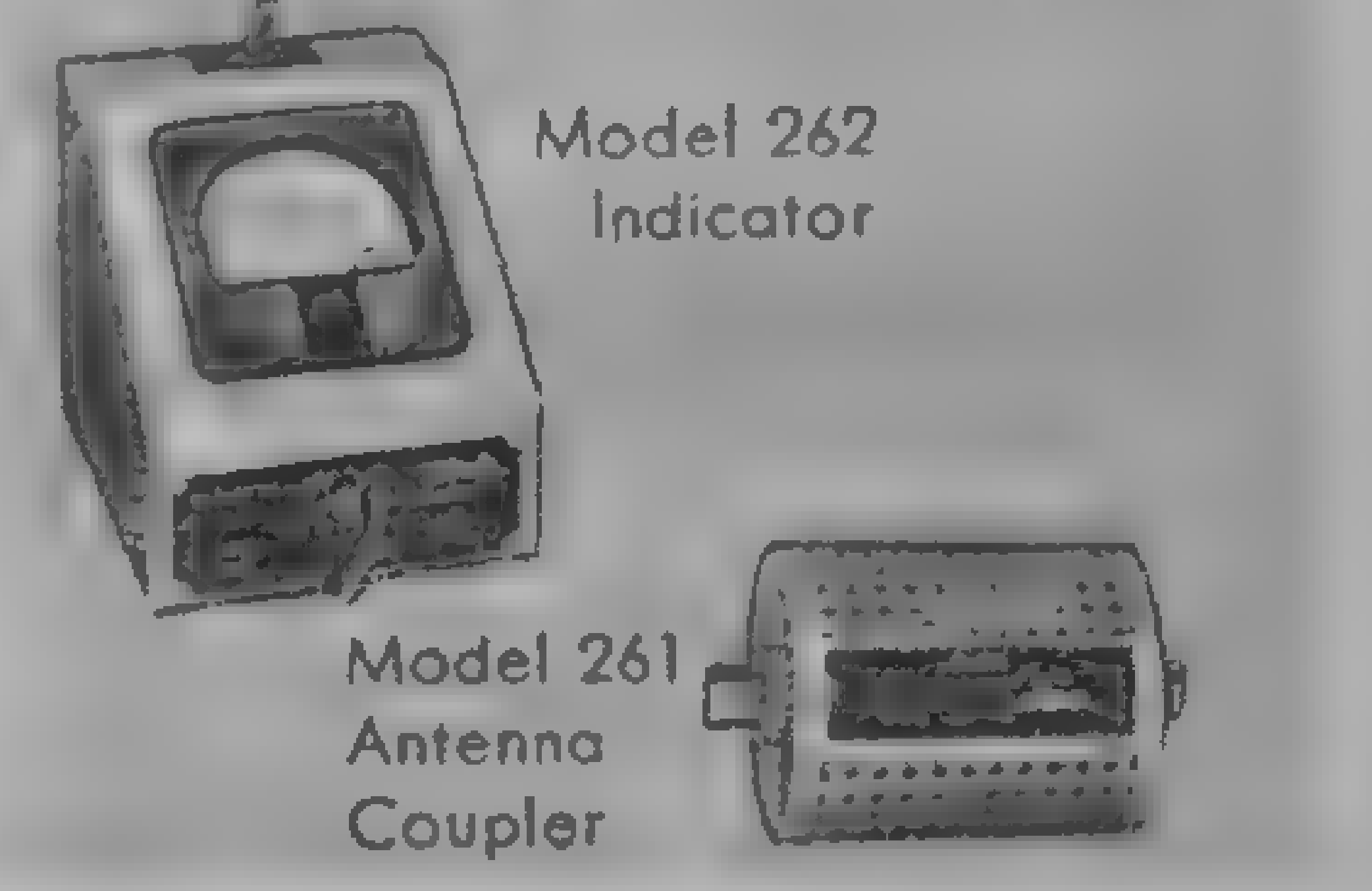
AMECO HPX-45 HIGH-PASS FILTER. (Not illus.) Deluxe, 2-section version of above. Cutoff frequency is 45 mc. Offers negligible insertion loss. Provides 80 db attenuation at 14 mc and below; 40 db attenuation at 10 meters. Easily installed in minutes—one side connects to TV set input, other side to antenna lead-in. For sets with 300-ohm inputs. 2½x2x1½". Shpg. wt., 5 oz.

77 S 686. NET **2.25**

P BUD HF-600 HIGH-PASS FILTER. Highly efficient filter for TV sets. Rejects all signals below 42 mc. Easy to install; connects between input terminals of TV set and antenna lead-in. For sets with 300-ohm inputs. 3¼x2⅛x1⅛". Wt., 6 oz.

73 S 046. NET...................**4.85**

SWR Indicators



JONES COUPLER-INDICATOR

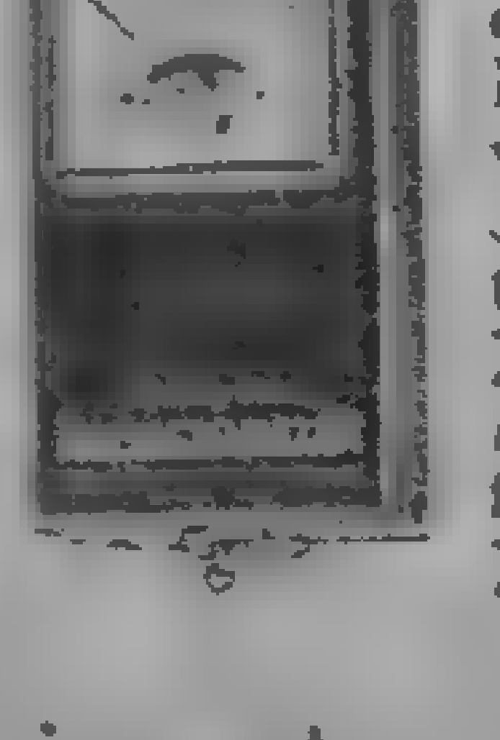
MODEL 261 "MICROMATCH" ANTENNA COUPLER. For use with Model 262 indicator for measuring RF power and VSWR. Rated 1 kw at 1:1 VSWR. Has 52-ohm, coaxial UHF type connectors. Range: 500 kc to 225 mc. Power loss is less than 0.1 db. 3x4¾". Wt., 1 lb.

99 S 117. *$2 Down.* NET.........**22.50**

MODEL 262 INDICATOR. Measures VSWR and relative power, forward or reflected. Ranges: 0-10-100-1000 watts. 4¼x4¼x4 9/16". 2 lbs.

99 S 118. NET....................**14.50**

CESCO "REFLECTOMETER"



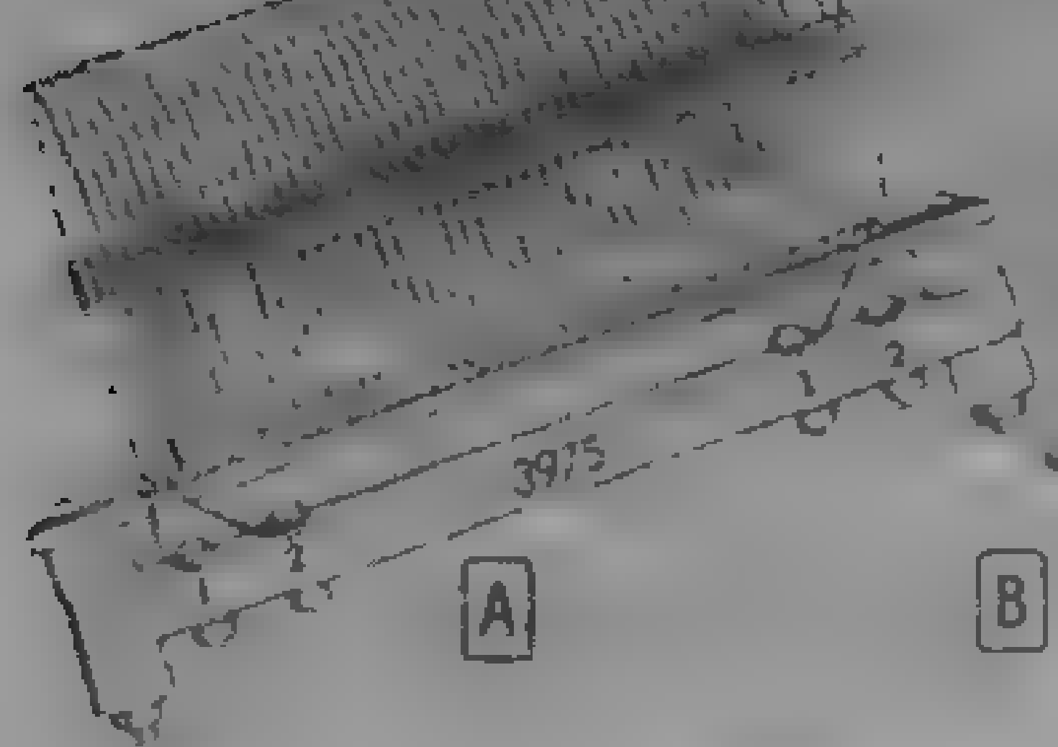
MODEL CM-52. Provides continuous measurement of SWR on 52-ohm transmission lines. For 3—200 mcs; handles 1000 watts. Less than 1 db loss at 30 mc. With SO-239 connectors. 5¼x3x2⅛". 1½ lbs.

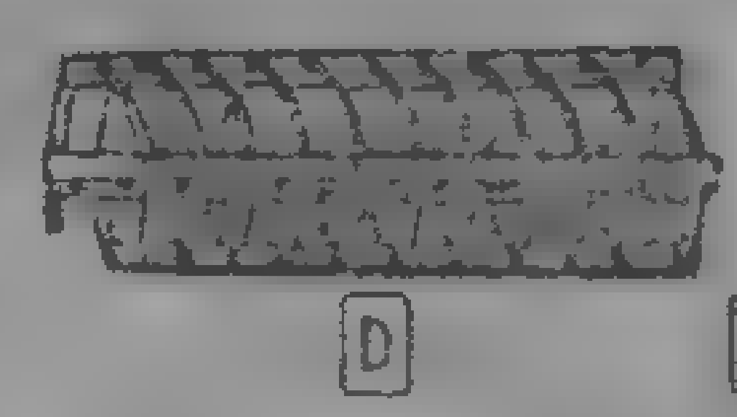
77 S 378. NET.......**29.95**

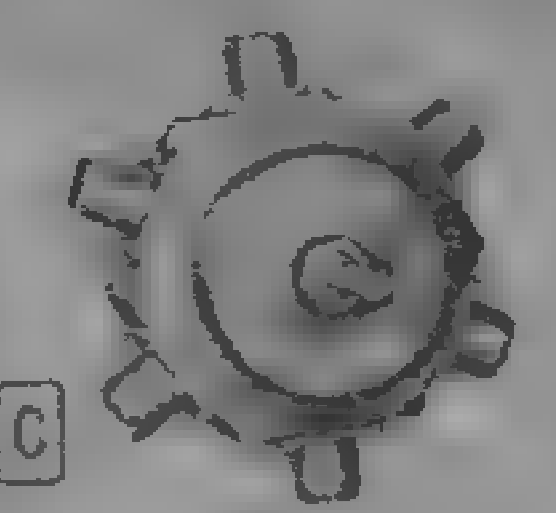
MODEL CM-75. As above, but for 75-ohm coaxial cable.

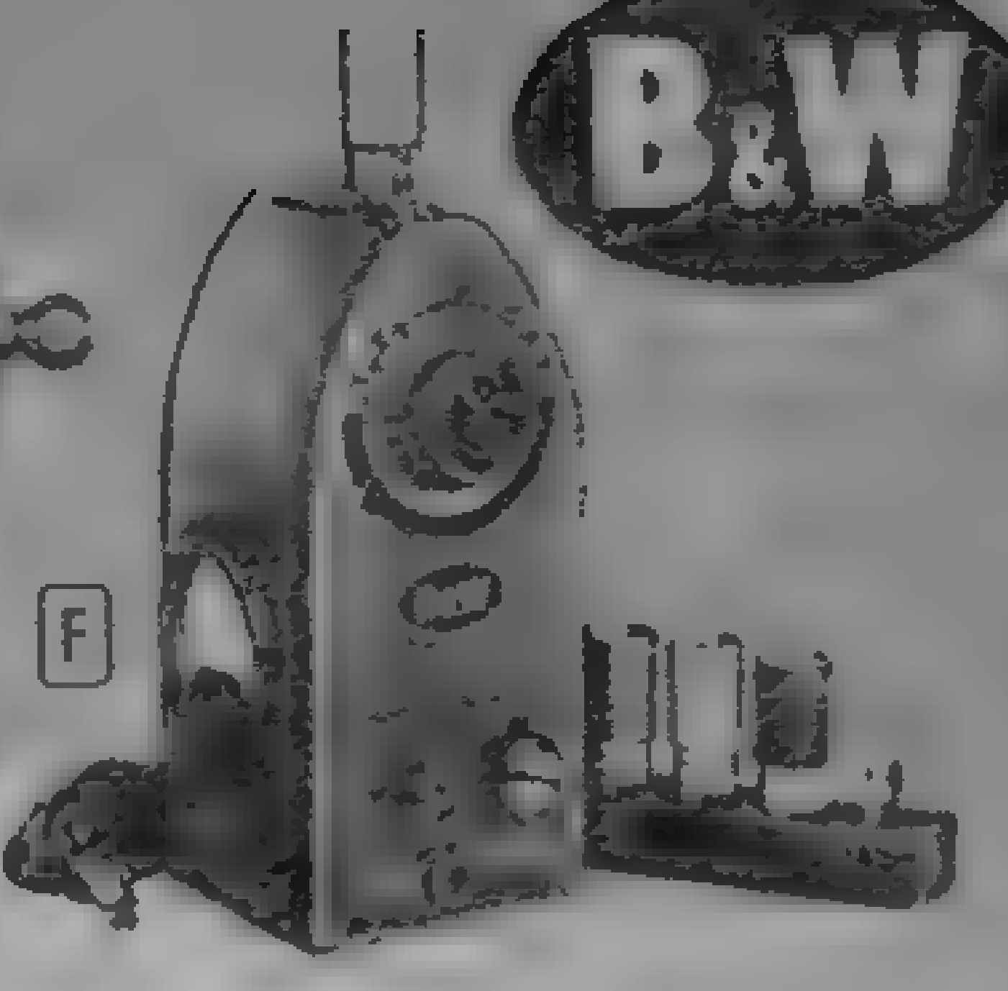
77 R 379. NET.......**29.95**

B&W Equipment and Accessories









A **TYPE 3975 BALUN COILS.** Match 75-ohm unbalanced output to 75 or 300-ohm balanced transmission lines. Cover 80-10 meters; no switching or tuning. Rated at 250 watts. Less base. 12 oz. *2 required.*
75 H 594. NET PER COIL............3.15

B **75-WATT JUNIOR COILS.** Tune with 15-100 mmf. In fixed-end (JEL), fixed-center (JCL) or variable center (JVL) link-types. Fit std. 5-prong sockets. 3¹⁄₁₆x1¹³⁄₁₆". 5 oz.

Band	JEL	JCL	JVL	EACH
160	75 H 320	75 H 330	75 H 340	1.86
80	75 H 321	75 H 331	75 H 341	
40	75 H 322	75 H 332	75 H 342	
20	75 H 323	75 H 333	75 H 343	
15	75 H 349	75 H 354	75 H 355	
10	75 H 324	75 H 334	75 H 344	
6	75 H 444	75 H 445	75 H 446	

B **25-WATT BABY PLUG-IN COILS.** Only 1¼x1½". MEL—end link. MCL—ctr. link. Tune with 50 mmf (except 100 mmf for 160M). Fit std. 5-prong sockets. Wt., 3 oz.

Band	MEL	MCL	EACH
160	75 H 300	75 H 310	1.47
80	75 H 301	75 H 311	
40	75 H 302	75 H 312	
20	75 H 303	75 H 313	
15	75 H 357	75 H 356	
10	75 H 304	75 H 314	

C **550-A COAXIAL SWITCH.** Selects any of 5 devices using 52 or 72-ohm lines. Handles up to 1 kw. Maximum crosstalk at 30 mc, —45 db. Shpg. wt., 2 lbs.
97 S 608. NET.........................8.25

551-A COAXIAL SWITCH. Similar to above, but has 2 positions. 2 lbs.
97 S 591. NET.........................7.95

D **MINIDUCTOR COIL STOCK—½" TO 1" DIA.** Easily cut, air-wound coils. ½" and ⅝" dia. coils are 2" long; ¾" and 1", 3" long.

Dia.	4 Turns Per Inch No.	4 Turns Per Inch Type	8 Turns Per Inch No.	8 Turns Per Inch Type	NET
½"	75 H 305	3001	75 H 306	3002	45¢
⅝"	75 H 309	3005	75 H 316	3006	54¢
¾"	75 H 319	3009	75 H 325	3010	63¢
1"	75 H 328	3013	75 H 329	3014	69¢
	16 Turns Per Inch		**32 Turns Per Inch**		
½"	75 H 307	3003	75 H 308	3004	45¢
⅝"	75 H 317	3007	75 H 318	3008	54¢
¾"	75 H 326	3011	75 H 327	3012	63¢
1"	75 H 335	3015	75 H 336	3016	69¢

MINIDUCTOR COIL STOCK—2" & 2½" DIA. All are 10" long. Easily cut to desired length. *Turns per inch.

No.	Type	Dia.	Wire	*TPI	Oz.	EACH
75 H 406	3900	2"	#14	8	9	1.86
75 H 407	3905-1	2½"	#12	6	13	1.95
75 H 408	3906-1	2½"	#14	8	12	1.86
75 H 409	3907-1	2"	#16	10	8	1.86

E **CC-50 CONNECTOR.** Weatherproof coax connector for doublet antennas. Internal connections. With sealing cement. 1 lb.
75 H 593. NET..................5.85

PI-NETWORK INDUCTORS

(Not illus.) For single or parallel tube operation on 80-10 meters. Provide efficient Class C or linear operation. Model 850A rated 1 kw on CW, SSB and AM. Max. DC voltage CW-SSB, 4000; AM, 3000. Model 851 rated 250 watts AM; 500 watts CW-SSB. Max. DC voltage AM, 1250; SSB-CW, 2000.
92 S 374. Model 850A. 7 lbs. NET..35.00
83 S 043. Model 851. 4 lbs.....NET..16.50

F **MODEL 600 GRID DIP METER.** Covers 1.75 to 260 mc in 5 overlapping ranges. Sturdy plug-in coils are color-coded. Has sensitive 500-microampere meter with adjustable control. Useful as an RF signal monitor, auxiliary signal generator and absorption wave meter. Wedge shape permits access to hard-to-get-at places. Circuit consists of a highly sensitive oscillator using a type 955 acorn tube. Rust-proofed steel chassis and sturdy aluminum case. Gray finish. Size, 7x3x3". For 110-120 v., 50-60 cycle AC. Shpg. wt., 3 lbs.
84 S 487. *$2 Down.* NET.........45.72

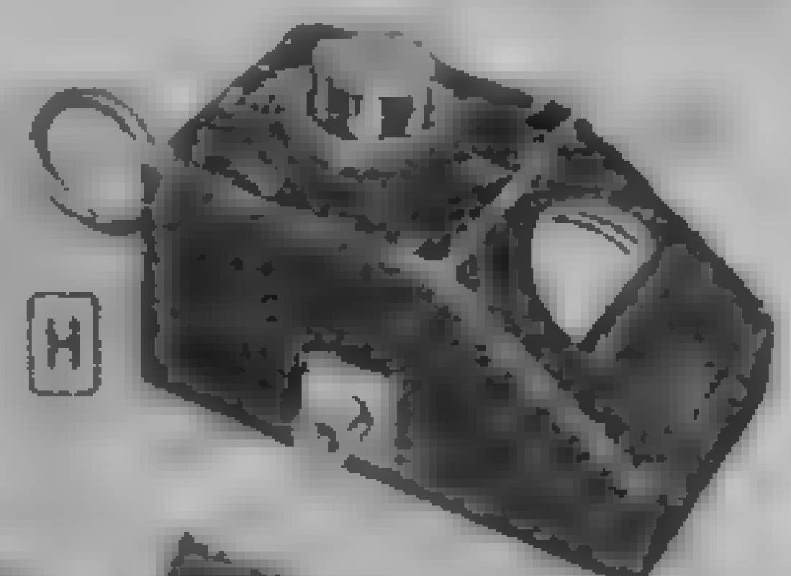
CHOKES AND PHASE-SHIFT NETWORKS

MODEL 800 RF PLATE CHOKE. (Not illus.) For transmitters with parallel or series-fed circuits. For 80-10 meters. Max. rating, 2500 v., DC at 500 ma. 6x¾" dia. 2 lbs.
83 S 044. NET...................3.75

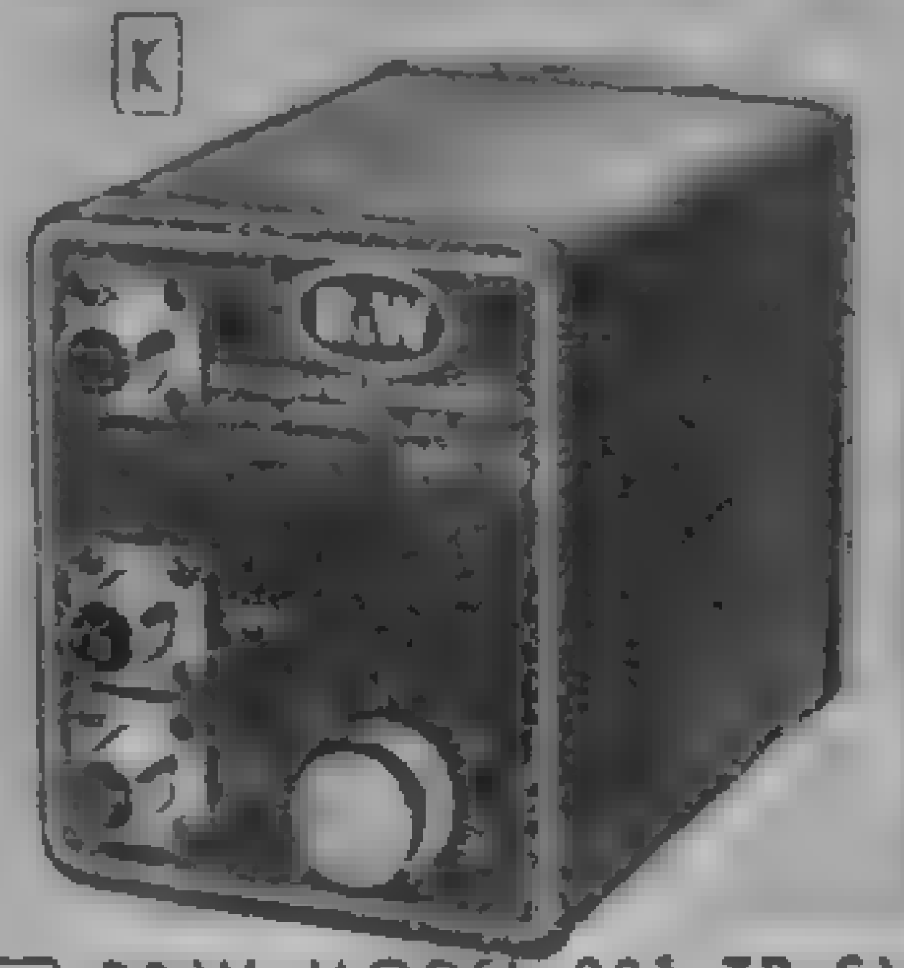
FILAMENT CHOKES. (Not illus.) For grounded-grid amplifiers.
73 S 066. FC-30. 30 amps. 2x2½x5". Shpg. wt., 2½ lbs. NET............9.90
73 S 067. FC-15. 15 amps. 1½x1½x4½". Shpg. wt., 1½ lbs. NET.............7.50

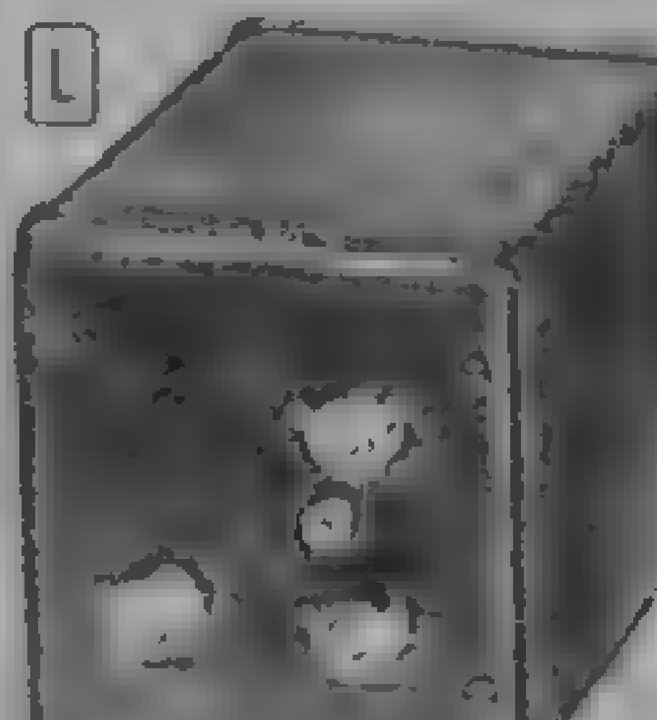
MODEL 350-2Q4 AUDIO PHASE-SHIFT NETWORK. (Not illus.) Splits signals from 300-3000 cps into 2 equal components 90° out of phase. Octal base. Shpg. wt., 1 lb.
99 S 122. NET..........................4.65

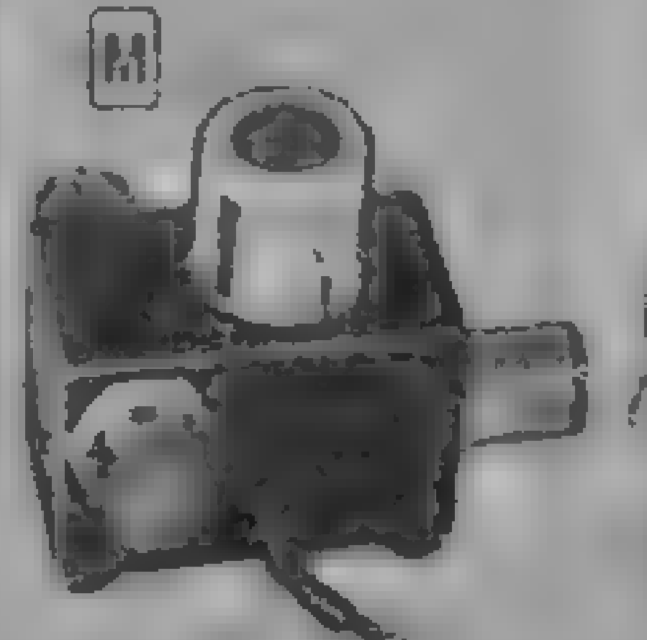
Amateur Station Accessories and Components



ANTENNA TR SWITCHES







NEW! SELF POWERED

G **ILLUMITRONIC VARI-PITCH "PI DUX."** Air-core inductors ideally suited for use in pi-output circuits, LC-output circuits, interstage and oscillator circuits. Tinned copper wire; supported by low-loss polystyrene rods. *Turns per inch. Av. wt., 6 oz.

Stock No.	Type	Dia.	*TPI	Wire	Length	EACH
72 H 477	820D10	1"	20 & 10	18	3¼"	1.25
72 H 478	1212D6	1½"	12 & 6	14	3¹³⁄₁₆"	2.00
72 H 479	1608D6	2"	8 & 6	12	4½"	2.70
72 H 480	2008D5	2½"	8 & 5	12	3¾"	3.25
72 H 481	2408D4	3"	8 & 4	10	3¾"	3.95

H **MILLEN MODEL 90672 ANTENNA BRIDGE.** Highly accurate and sensitive. Measures 5 to 500-ohm unbalanced impedances. For frequencies up to 150 mc. Differential capacitor provides extremely high accuracy. Size, 3⅞x3⅛x5⅝". Shpg. wt., 2½ lbs.
83 S 834. *$2 Down.* NET.........45.00

J **CARDWELL "X" TYPE CAPACITORS.** High-quality, single-section variable transmitting capacitors. Feature extremely rugged construction. Ideal for use in linear amplifiers. Model PL-8013 has 65 plates with air gap of .030"; size, 5²⁷⁄₃₂x5x5¾". Model PL-8048 has 21 plates with air gap of .070"; size, 4¹⁄₃₂x3³⁄₁₆x3¹⁵⁄₁₆". Shpg. wts., PL-8013, 4 lbs.; PL-8048, 3½ lbs.
75 H 047. PL-8013. 50-1500 mmf. NET..........................19.50
75 H 048. PL-8048. 20-220 mmf. NET..........................10.72

K **B&W MODEL 381 TR SWITCH.** Provides electronic switching of antenna from receiver to transmitter. Handles full legal power limit on AM-CW-SSB and DSB, 80 through 10 meters. Special bandswitching circuitry provides high selectivity and excellent signal-to-noise ratio on all bands.

Presents no signal loss—substantial gain is realized throughout usable range. "Fail-safe" design protects transmitter if switch fails or is set on wrong band—automatically keeps transmitter connected to antenna when unit is not energized. Matches 52-75 ohm coaxial lines. Size, 4¾x4x5½". For 110-120 v., 50-60 cycle AC. Shpg. wt., 5 lbs.
77 S 714. *$5 Down.* NET.........60.00

L **JOHNSON MODEL 250-39 TR SWITCH.** Switches antenna from receiver to transmitter. Rated 4000 watts. Requires no tuning. Coax fittings. 4³⁄₁₆x4³⁄₈x5⁵⁄₁₆". For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 5 lbs.
94 S 858. *$2 Down.* NET.........27.75

M **DOW-KEY ANTENNA TR SWITCHES.** For fixed-station or mobile use. 6 or 12 volt operation. Rated at 1 kw. Require 125-150 v. DC at 5 ma. Av. shpg. wt., 10 oz.
77 S 760. DKC-TRM-1. 1.5-60 mc...12.50
77 S 749. DKC-TR2-A. 144-148 mc..12.50

N **DOW-KEY DKC-TRP TR SWITCH.** New coaxial TR switch features built-in power supply. Switches antenna from receiver to transmitter electronically. Uses grid blocking in transmit mode; in receive mode produces a small gain between antenna and receiver. For operation in the 1.8 to 30 mc range at powers up to 1000 watts. With standard UHF coaxial connectors. 4½x3x2⅞". For 110-120 v., 50-60 cycle AC. Shpg. wt., 1½ lbs.
77 S 377. *$2 Down.* NET.........27.75

DOW-KEY COAX FITTINGS

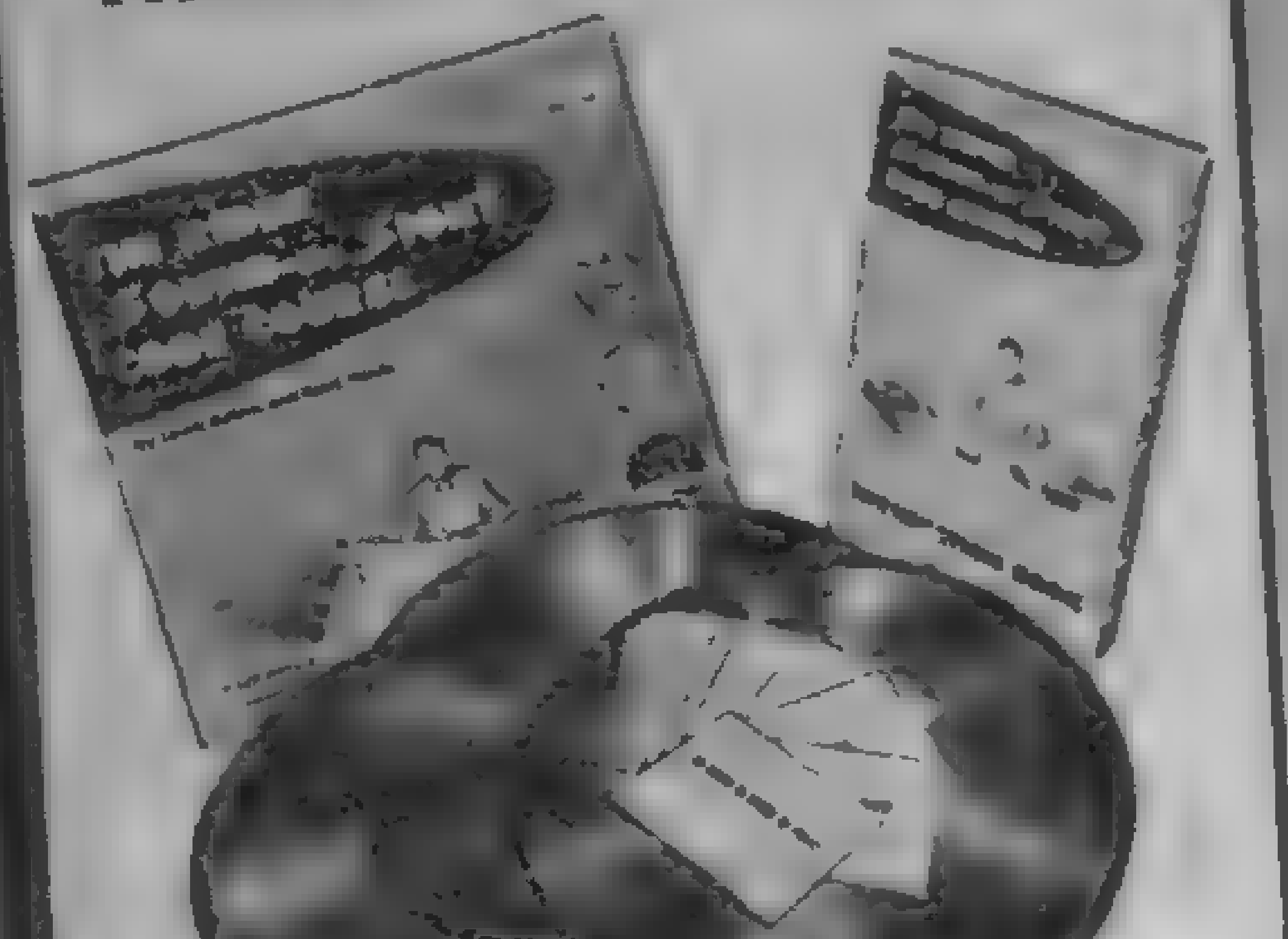
DKF-2 is double male. DKC-P is panel mount female. Av. shpg. wt., 4 oz.
75 P 946. DKF-2. NET..............1.25
77 S 759. DKC-P. NET..................70c

ADVANCE COAXIAL ANTENNA RELAYS

TYPE CB/1C2C/115VA. (Not illus.) For 52-ohm coax. Handles up to 800 watts. SPDT internal contacts are connected to 83-1R connector. Also external DPDT 2-amp contacts for auxiliary circuits. Size, 3¹⁄₁₆x1¾x3⅞". For 115 v., 50-60 cycle AC. Wt., 11 oz.
76 P 254. NET..........................13.25
75 P 645. Type CB/1C/115VA. As above, but less external DPDT contacts. NET. 12.15

Top Values for Beginners in Amateur Radio

RIDER "SIGHT 'N' SOUND" CODE COURSE

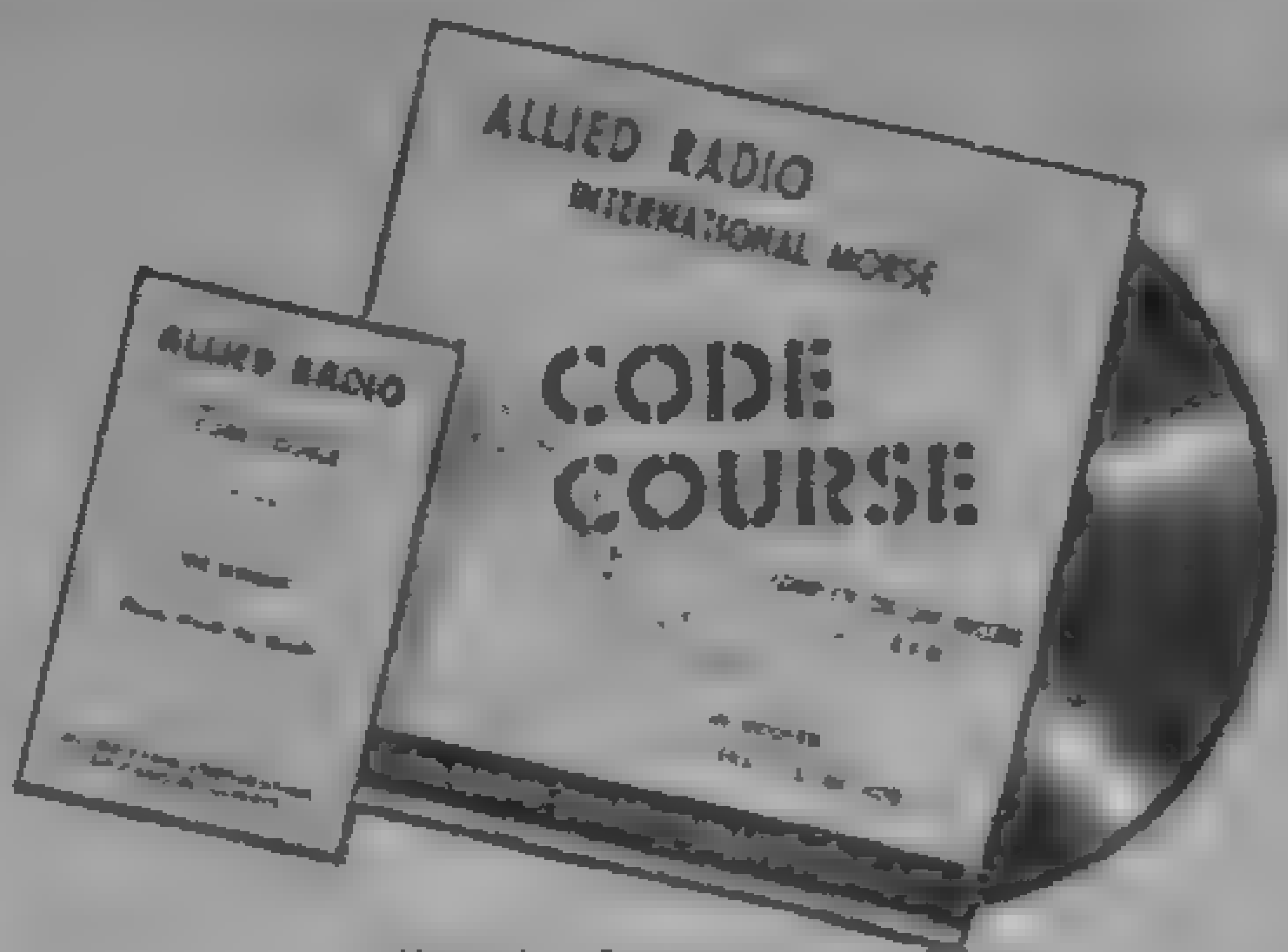


Based on new teaching concepts; you advance in steps of one-wpm-per-day.

REC-08 Novice Course. (0-8 wpm). 3—LP records, 47 cards, book. 2 lbs.
77 S 815. NET 9.50

REC-920 Advanced Course. For General or commercial license (9-20 wpm). 3—10" LP records, cards, book. 2 lbs.
77 S 816. NET 8.95

REC-020 Complete Course. Covers all licenses (0-20 wpm). 6—10" LP records, 47 cards, book. W ., 6 lbs.
77 S 817. NET 15.95



Allied Code Courses

Ameco Code Courses

ALLIED CODE COURSES

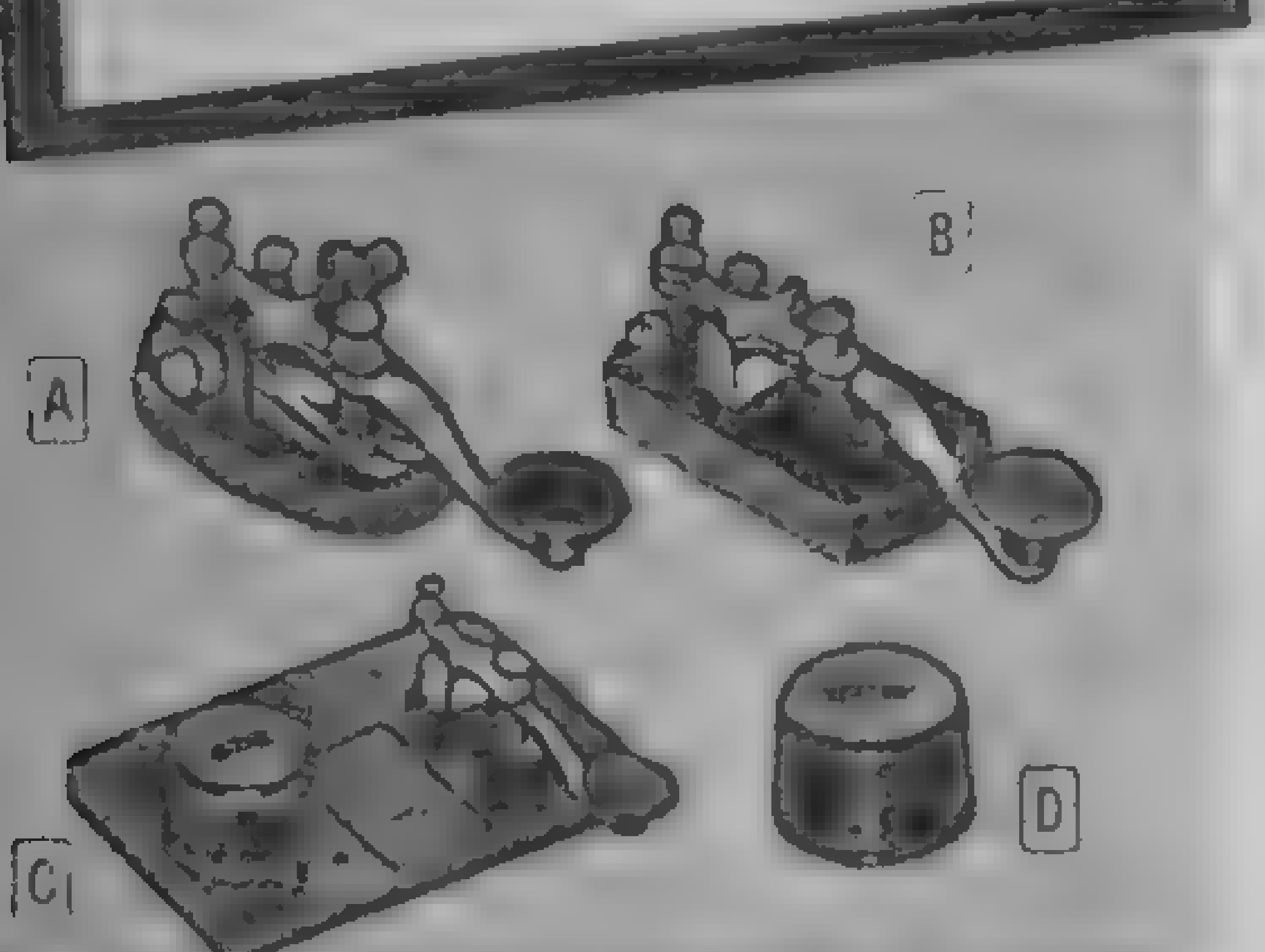
COMPLETE 10-LESSON CODE COURSE ON SINGLE 12", 33⅓-RPM RECORD. Learn to send and receive well enough to pass novice or general class code examinations—with this single record, 5 lessons per side—takes you from start to 15 wpm. Back of record jacket contains International Morse Code table. Includes 20-page Allied instruction book. Shpg. wt., 1 lb.
77 S 684. NET 4.49

ALLIED'S 5-RECORD CODE COURSE. "Eye-Ear" method of learning code at home—eye follows the letters as the ear hears the sounds. Five 10", 78 rpm records recorded on each side. From 2 to 15 wpm in 10 lessons. Includes album and instruction book. Shpg. wt., 6 lbs.
77 S 643. NET 5.95

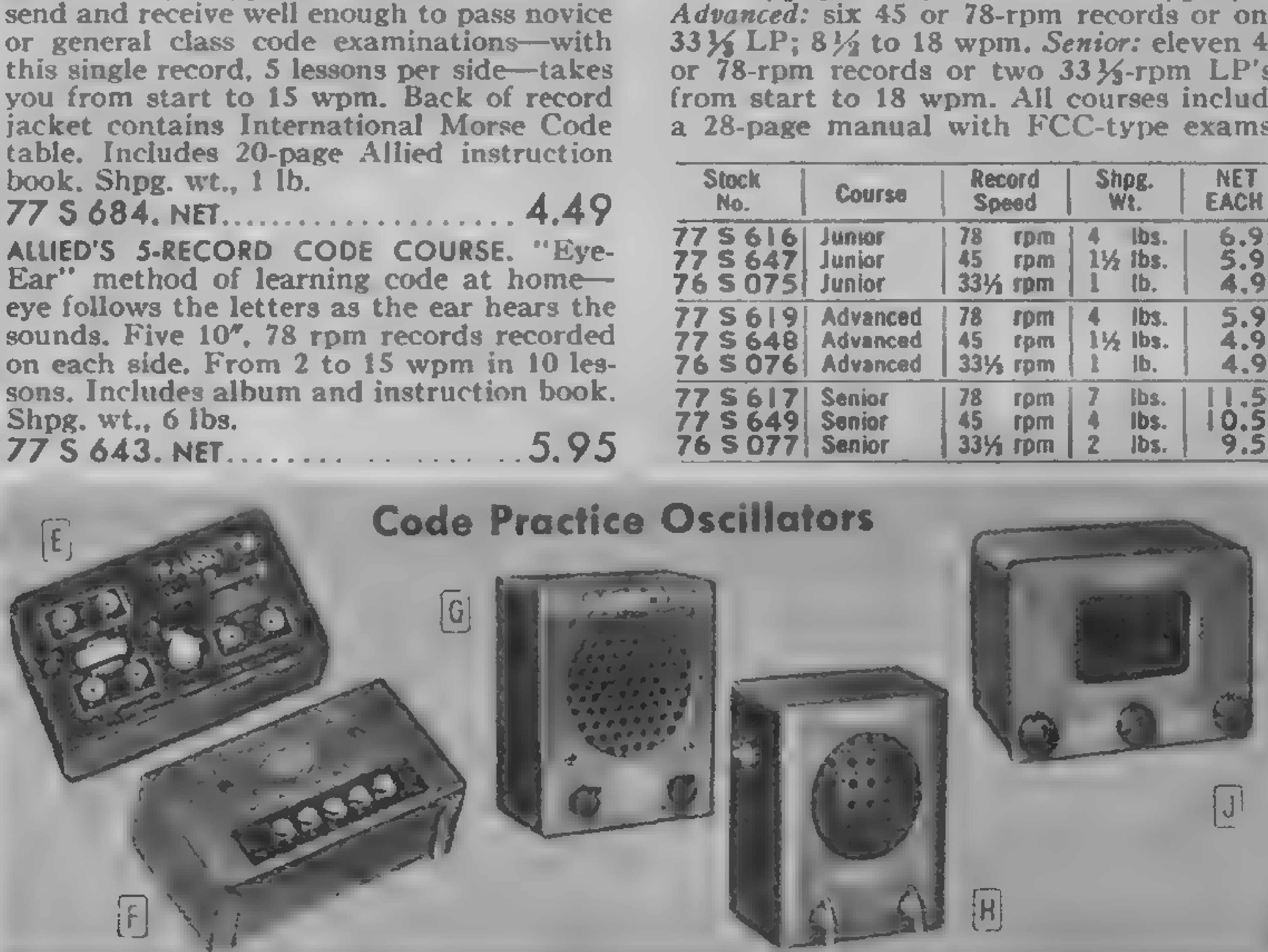
AMECO CODE COURSES.

Junior Course: five 45 or 78-rpm records or one 33⅓-rpm LP; from start to 7½ wpm. *Advanced:* six 45 or 78-rpm records or one 33⅓ LP; 8½ to 18 wpm. *Senior:* eleven 45 or 78-rpm records or two 33⅓-rpm LP's; from start to 18 wpm. All courses include a 28-page manual with FCC-type exams.

Stock No.	Course	Record Speed	Shpg. Wt.	NET EACH
77 S 616	Junior	78 rpm	4 lbs.	6.95
77 S 647	Junior	45 rpm	1½ lbs.	5.95
76 S 075	Junior	33⅓ rpm	1 lb.	4.95
77 S 619	Advanced	78 rpm	4 lbs.	5.95
77 S 648	Advanced	45 rpm	1½ lbs.	4.95
76 S 076	Advanced	33⅓ rpm	1 lb.	4.95
77 S 617	Senior	78 rpm	7 lbs.	11.50
77 S 649	Senior	45 rpm	4 lbs.	10.50
76 S 077	Senior	33⅓ rpm	2 lbs.	9.50



Code Practice Oscillators



Popular Learning Keys

A JOHNSON MODEL 114-310 STANDARD KEY. Precision-built, moderately priced key. Excellent for code practice and transmitting. "Cushion contact" design for smooth action. Heavy die-cast base is finished in black wrinkle enamel; mechanical parts are nickel-plated. ⅛" silver contacts. Adjustable tension and contact spacing; adjustable bearings. Provision for plugging in semi-automatic keys. Shpg. wt., 2 lbs.
76 S 055. NET 3.10

B JOHNSON MODEL 114-300 PRACTICE KEY. A well-built, low-cost general purpose key. Ideal as a code practice key for the beginner. Brown molded phenolic base and knob. Adjustable key arm, spring and smooth-action bearings—easily adjusted tension and contact spacing. ⅛" silver contacts. With beginners code card. Shpg. wt., 8 oz.
76 S 053. NET 2.25

C JOHNSON MODEL 114-450 BUZZER CODE PRACTICE SET. Consists of key and constant high-frequency buzzer mounted on brown bakelite base. Screw adjustment provides variable tone. Key has silver contacts. Can be used individually or in pairs for code practice. Requires 3 v. DC (2—1½ v. batteries). Shpg. wt., 2 lbs.
76 S 059. NET 4.90

D JOHNSON MODEL 114-400 HIGH-FREQUENCY BUZZER. Buzzer only (as used on set above). Use with hand key for code practice. A very effective low-cost unit. Ample volume for several listeners. Screw adjustment provides variable tone. Requires 3 v. battery combination. Shpg. wt., 5 oz.
76 S 060. NET 1.85

E JACKSON 562-A CODE PRACTICE OSCILLATOR. Low-cost transistor code oscillator for self-practice, teaching or monitoring. For use with external magnetic phones and key. With tone adjustment. Less battery, below. 6¼x3¾x2". Wt., 2 lbs.
77 S 640. NET 7.79

BATTERY FOR ABOVE. 4½ v. Wt., 8 oz.
80 J 937. NET 97c

F BUD MODEL CPO-155T TRANSISTORIZED CODE PRACTICE OSCILLATOR AND MONITOR. Low-cost unit for use with headphones. Lightweight and compact in size—only 1½x4¼x2¼". Requires 2 penlight batteries, below. Shpg. wt., 2 lbs.
77 S 728. NET 5.76

BATTERIES FOR ABOVE. Wt., 2 oz.
78 J 243. NET EACH 10c

G AMECO CPS-WT CODE PRACTICE OSCILLATOR. A deluxe practice oscillator with a built-in 4" PM speaker. Produces a loud and clear tone with ample volume for group use. Filter provides clickless operation. Tone and volume controls. Easily converted to excellent keying monitor. 6½x5x3½". For 110-120 v., AC or DC. 3 lbs.
77 S 629. NET 14.95

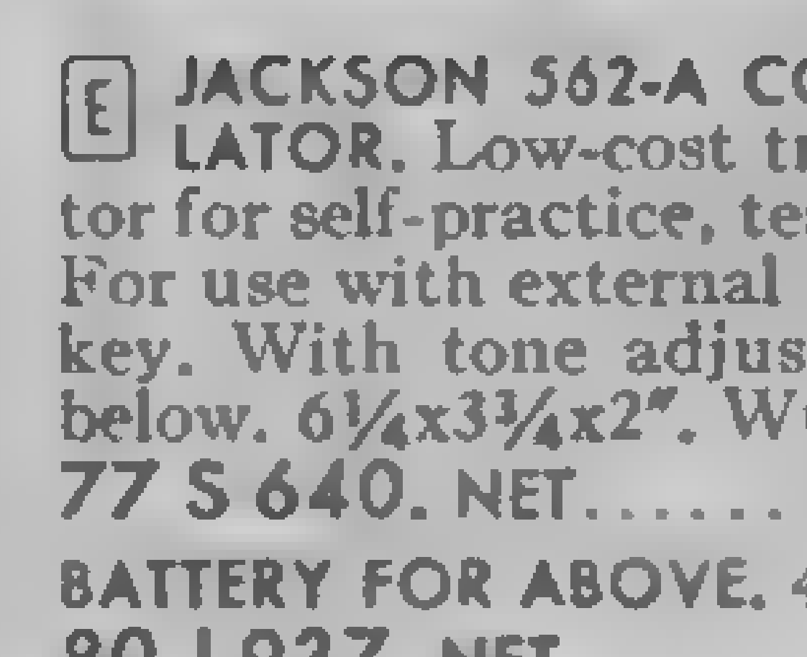
H BUD CPO-128B CODEMASTER. Code practice oscillator and CW monitor with built-in 4" PM speaker. Earphones and keys may be paralleled for group instruction. Volume and pitch controls. External speaker may be plugged into headphone jack; both headphone and key jacks take phone plug listed below. 6½x5½x3½". For 110-120 v., AC or DC. Shpg. wt., 5 lbs.
73 S 044. NET 18.75

STANDARD PHONE PLUG. For attaching keys and headphones to CPO-128B described above. Shpg. wt., 3 oz.
41 H 641. NET 44c

CABLE. Extension cord for keys. 2 oz.
48 W 805. NET PER FOOT 2½c

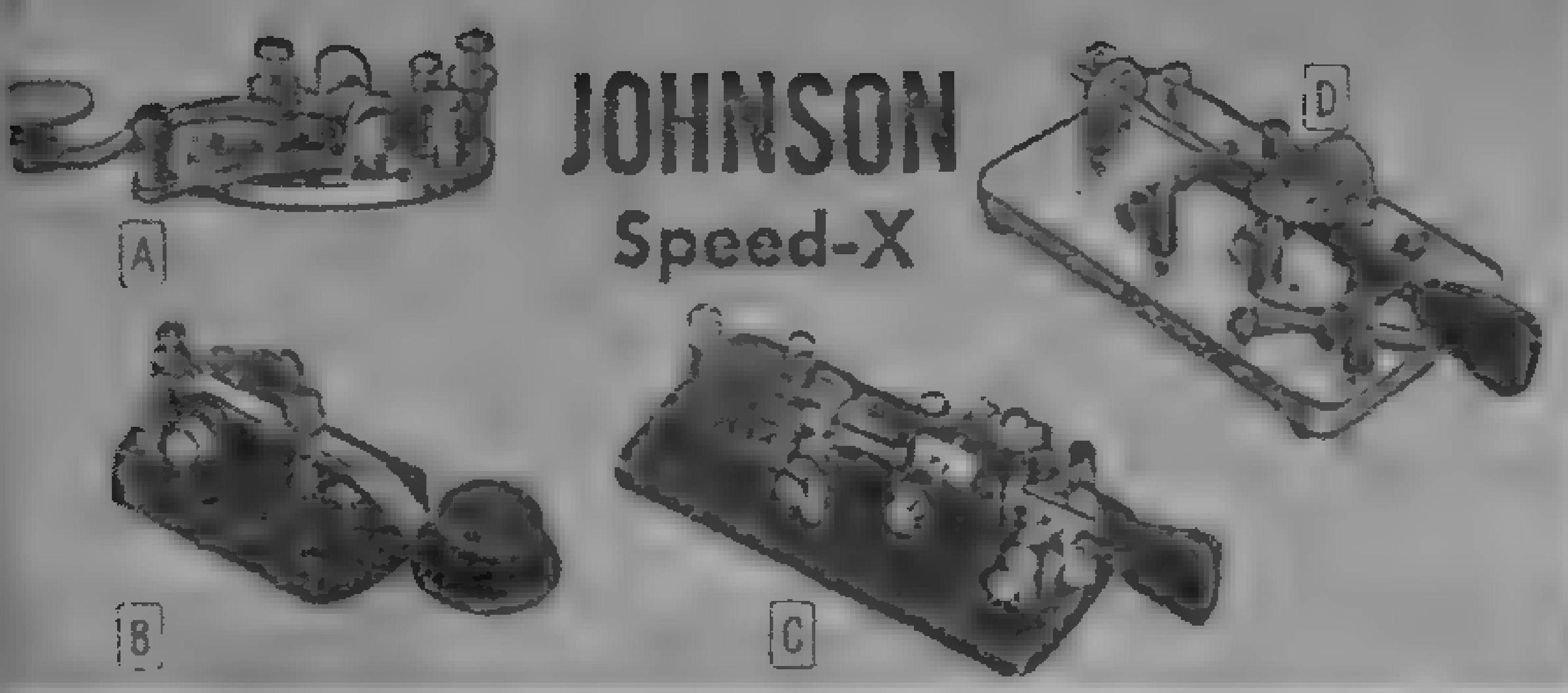
J GONSET 3022 "MONITONE" MONITOR AND CODE PRACTICE OSCILLATOR. Combination code practice oscillator and phone or CW monitor. Has built-in speaker and provision for headphones. Separate tone and volume controls. Uses RF pickup link placed near transmitter's final tank coil to monitor transmitter keying. Case size is 6x7x6". For operation from 110-120 volts, AC or DC. Shpg. wt., 4 lbs.
83 S 829. *Only $2 Down.* **NET** 29.50

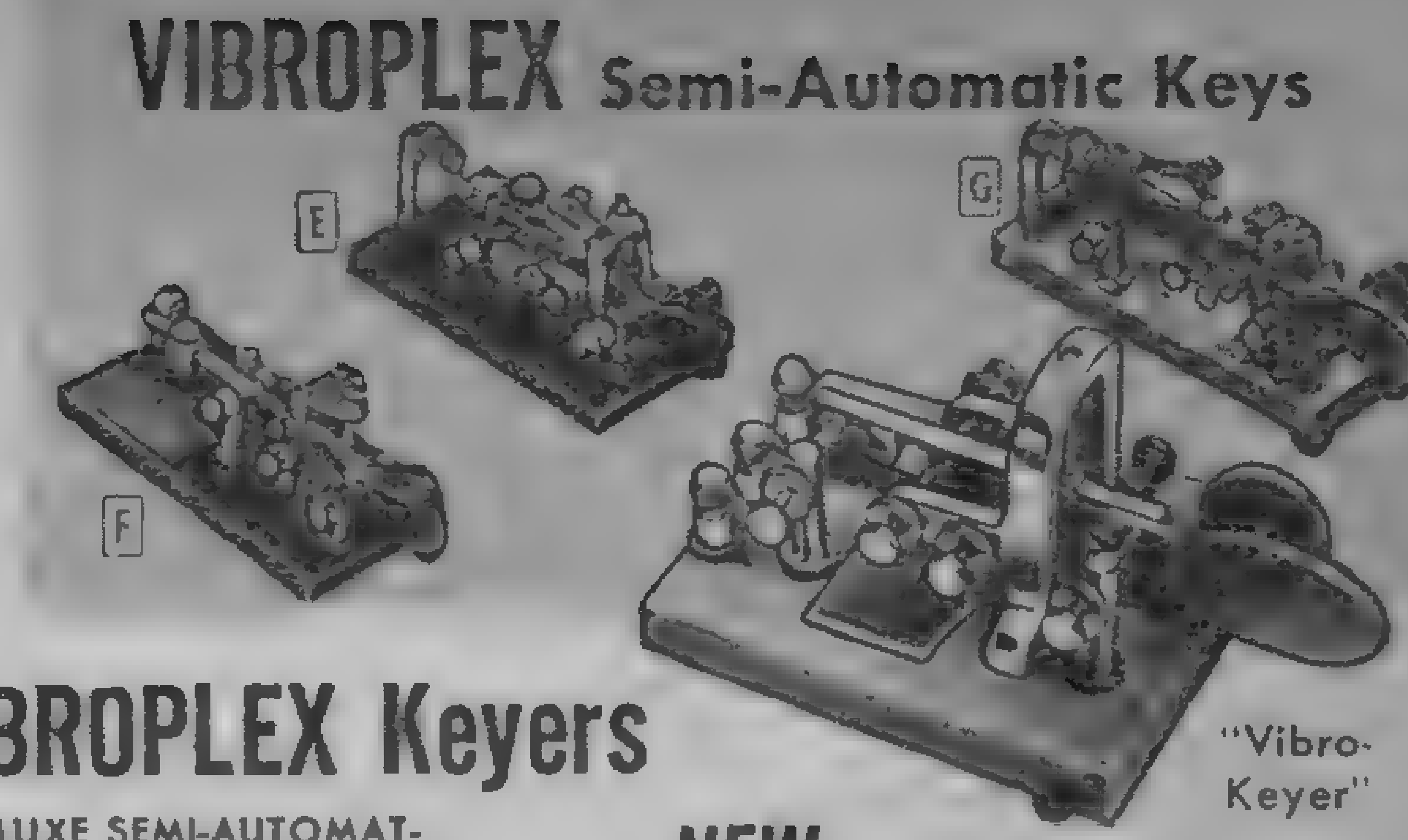
Allied's Own American Bell Quality Headphones



STANDARD DUAL HEADPHONES. Moderately priced, lightweight headphones. Adjustable headbands. Employ hyflux Alnico magnets and solenoid coils. Molded bakelite cap and case. With 4½-ft. cord: standard phone tip terminals. 2000 ohms. 1¼ lbs.
59 J 110. NET 2.00

SINGLE HEADPHONE. Not illustrated. Dependable, economy-priced unit. 2000 ohms. Shpg. wt., 8 oz.
59 J 113. NET 1.15





JOHNSON and VIBROPLEX Keyers

A **MODEL 114-100-3 DELUXE HAND KEY.** A precision-made hand key of exceptionally high quality. Carefully tempered spring, and hardened and polished fine-point pivots provide lively action for smooth, easy sending. An excellent key for the beginner and old-timer alike. Spring tension, contact spacing and bearing pressure are easily adjustable. Base and binding posts have instrument lacquer coating to protect the highly attractive satin-brass finish of key. Contacts are durable, pit-resistant alloy. Contact dia., .072". With shorting switch. Shpg. wt., 2 lbs.
77 S 736. NET....................**6.85**

MODEL 114-100 KEY. Same as above, but less shorting switch.
77 S 735. NET....................**5.95**

B **MODEL 114-320 HEAVY-DUTY KEY.** Deluxe key built to very rigid specifications for smooth, comfortable sending. Large, chrome-plated key arm suspended from hardened steel bearings. Large, ¼" coin-silver contacts. Improved Navy-type knob. Adjustable spacing and tension. Heavy brass connector concealed under base. Black die-cast base. Shpg. wt., 2 lbs.
76 S 058. NET...................**4.70**

C **MODEL 114-520 SEMI-AUTOMATIC KEY.** A semi-automatic key for smooth, effortless radiotelegraph sending. Contact spacing and sliding weight easily adjustable to desired sending speed. Has circuit closing switch. Ruggedly constructed for long dependable use. Has ⅛" coin-silver contacts. Hardware and vibrator are heavily chrome plated. Die-cast base finished in black wrinkle enamel. Rubber feet keep "bug" stationary. Shpg. wt., 4 lbs.
76 S 065. NET.......... ....**13.95**

D **MODEL 114-501 DELUXE SEMI-AUTOMATIC KEY.** A smooth operating key with ¼" contacts. Vibrator arm, posts, circuit closing switch and all machine parts are heavily chrome-plated. Adjustable from lowest to highest speeds. Has five adjustments with lock nuts—plastic paddles adjust separately to best height. On polished chrome base with rubber feet to prevent slippage. 6¼x3½x½". Shpg. wt., 5 lbs.
76 S 069. NET.................**20.65**

MODEL 114-500 KEY. As above, but with ⅛" contacts and smart, black wrinkle steel base. Shpg. wt., 5 lbs.
76 S 068. *$2 Down.* NET..........**17.95**

E **"ORIGINAL."** A semi-automatic key for use at all speeds, the renowned "Original" has won fame for its clarity, precision workmanship and ease of manipulation. Preferred and used by veteran operators, it can be slowed down to 10 words per minute or less, and geared to as high a rate of speed as desired. Maintains the same high-quality signal at any speed—a smooth and easy working "bug." Chrome-plated mechanism; has attractive gray cast iron base with slip-proof rubber feet. Less cord and wedge, below. Shpg. wt., 5 lbs.
76 S 035. *$2 Down.* NET.........**19.95**

DELUXE "ORIGINAL." As above, but with jeweled bearings and fully chrome-plated base. Shpg. wt., 5 lbs.
76 S 038. NET..................**23.95**

F **"CHAMPION."** Inexpensive, semi-automatic key. Designed for smooth, easy operation. Mechanism chrome plated; base is attractive gray crackle finish. Less cord and wedge. Shpg. wt., 4 lbs.
76 S 036. NET.................**15.95**

NEW "VIBRO-KEYER"

The perfect key for use with your electronic "bug." Ideal with the HA-1 "T.O. Keyer" below, or any other electronic keyer. Permits smooth, effortless sending; greatly aids in increasing your sending speed. Tension and pressure are fully adjustable to suit your preference. Features sturdy main frame, chrome-finished parts, and large size contacts. Easy-operating trunnion lever. Has colorful red finger and thumb pieces.

Mounted on beautiful beige colored base; large rubber feet on bottom protect finishes and prevent key from slipping. Size, 3½x4½". Shpg. wt., 3 lbs.
77 S 907. NET..................**15.95**

G **STANDARD "BLUE RACER."** Small and lightweight. Precision construction throughout for extremely smooth operation. Chrome-plated mechanism. Gray base. Less cord and wedge. Shpg. wt., 4 lbs.
76 S 045. *$2 Down.* NET.........**19.95**

DELUXE "BLUE RACER." As above, but jeweled bearings, chrome base. 4 lbs.
76 S 046. *$2 Down.* NET..........**23.95**

CARRYING CASE. Not illustrated. Fits all Vibroplex keys except "Blue Racer." Cloth-lined; protects keys from dust and moisture. Has lock and key; carrying handle. Styled in handsome, simulated black morocco. Shpg. wt., 2 lbs.
76 S 037. NET....................**6.75**

CORD AND WEDGE SET. For use when 2 keys are wired in series. Wedge shorts out contacts of one key; other key controls sending. Shpg. wt., 3 oz.
76 S 156. NET **1.75**

Accessories for the Ham Shack

H **MASTERCRAFTER'S WORLD CLOCK.** A top-value, economy-priced 24-hour wall clock that's ideal for Amateurs and short wave listeners. South polar map projection of the world on the inner dial face indicates time anywhere in the world. Has rugged, all-metal construction; handsome chrome-plated case; professional appearance. Overall diameter is 8". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 1½ lbs. *Price includes F.E.T.*
78 S 354. NET..................**8.47**

J **PENNWOOD MODEL 100-24H¼ DIRECT-READING CLOCK.** A highly attractive, 24-hour desk clock. Easy to read; shows time directly in numerals at a glance. In beautiful ebony plastic case. Size, 4x7¾x4". For 110-120 volts, 60 cycle AC. Shpg. wt., 3 lbs. *Price includes F.E.T.*
78 B 340. NET **14.85**

HAM DIRECTIONAL GLOBE

Beautiful, full-color 12" world globe designed especially for Hams and SWL's. Quickly shows you the direction in degrees and distance of any country. You "customize" it for your own station by using pivot post, supplied, to attach direction disc and mileage strip to your location on globe. Call-letter prefixes are marked on their respective countries; also shows time anywhere in the world. Special swivel mount permits rotating globe in polar or equatorial plane. Shpg. wt., 6 lbs.
77 SX 325. NET.................**11.95**

K **LAKESHORE "TIME MASTER."** Gong sounds every 10 minutes to remind Ham to give his call. Ideal for VOX. 4⅛x2⅝x2¾". For 110-120 v., 50-60 cycle AC. 2 lbs.
83 S 860. NET.......... ...**8.85**

NEW! HALLICRAFTERS "T.O. Keyer"

MODEL HA-1 ELECTRONIC KEYER. The most advanced electronic keyer of its kind, the "T.O." permits the easiest, smoothest, clearest sending ever achieved. Not only are dots and dashes self-completing, but perfectly proportioned space is always maintained between them. Operation is fully electronic to assure extreme stability and maintain finest keying.

Has monitor with built-in speaker; also headphone jack. Monitor may also be fed through receiver audio circuit. Includes speed range selector, monitor level control, dot duration control, etc. Has transformer power supply. Tube complement consists of four dual-triodes, 2 VR tubes, and 3 diodes. Size, 5x7x7". Requires keying device (see "Vibro-Keyer" listed above). For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 9 lbs.
77 S 327. *Only $5 Down.* NET....**79.95**

Crystals and Selected Amateur Accessories

Frequency Meters And Calibrators

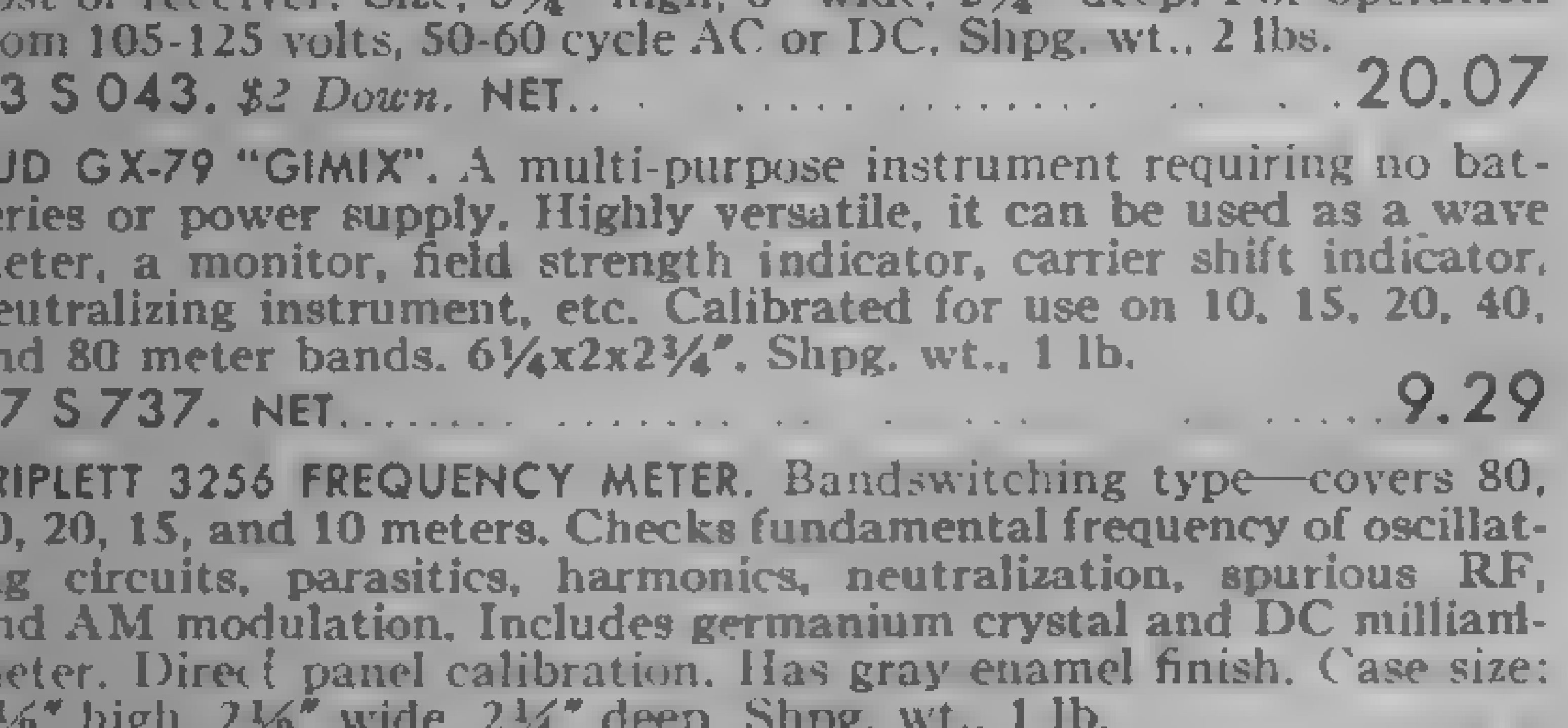
Bud GX-79 "Gimix"
Triplett 3256 Frequency Meter
Bud FCC-90B Frequency Calibrator

BUD FCC-90B FREQUENCY CALIBRATOR. Consists of 100-kc crystal oscillator, trimmers, built-in power supply. Produces 100-kc signals across all Amateur bands through 30 mc. An invaluable station accessory—marks band edges. Output lead attaches to antenna post of receiver. Size, 5¼" high, 3" wide, 2¼" deep. For operation from 105-125 volts, 50-60 cycle AC or DC. Shpg. wt., 2 lbs.
73 S 043. *$2 Down.* NET **20.07**

BUD GX-79 "GIMIX". A multi-purpose instrument requiring no batteries or power supply. Highly versatile, it can be used as a wave meter, a monitor, field strength indicator, carrier shift indicator, neutralizing instrument, etc. Calibrated for use on 10, 15, 20, 40, and 80 meter bands. 6¼x2x2¾". Shpg. wt., 1 lb.
77 S 737. NET **9.29**

TRIPLETT 3256 FREQUENCY METER. Bandswitching type—covers 80, 40, 20, 15, and 10 meters. Checks fundamental frequency of oscillating circuits, parasitics, harmonics, neutralization, spurious RF, and AM modulation. Includes germanium crystal and DC milliammeter. Direct panel calibration. Has gray enamel finish. Case size: 7½" high, 2½" wide, 2¼" deep. Shpg. wt., 1 lb.
66 F 005. NET **19.11**

Station Accessories

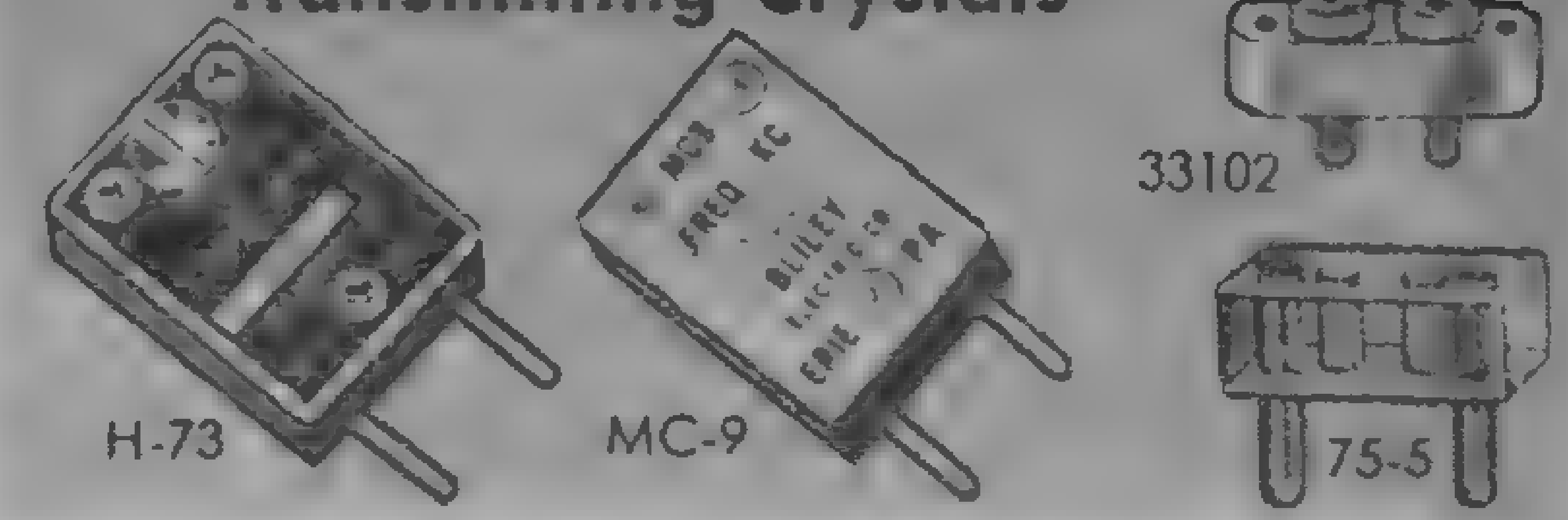


A TUBE COOLING MOTOR AND FAN. Extends tube life by keeping envelope and seals cool. Permits more complete shielding of RF amplifiers, etc., without depending on convection cooling. Shaded-pole induction motor, 2400 rpm. 2 15/32x2 11/32x2⅛". 4-blade fan, dia., 2½". For 110-120 v., 50-60 cycle AC. Wt., 1¼ lbs.
72 P 715. NET **2.99**

B EIMAC CONTACT FINGER STOCK. Silver-plated alloy stripping. Makes excellent contact; prevents RF leakage through cabinet doors. Secured mechanically or by soldering. 12 oz.
42 P 086. 3' long; 17/32" wide. NET **5.77**
42 P 087. 3' long; 31/32" wide. NET **6.23**
42 P 088. 3' long; 1⅝" wide. NET **6.70**

C HALLICRAFTERS "S" METER KIT. An easily installed "S" meter for panel mounting. For use with Hallicrafters S-40B, S-20R, S-40A, SX-62, S-77, S-77A, S-85, S-107, S-108, etc., as well as other receivers. Can be installed in any RF or IF stage with AVC action. 3¼x2¾" meter has black dial with white markings. Two scales; has microvolt scale calibrated from 0-1000K; "S" unit scale is calibrated to 80 db over S9. Requires 2½"-diameter round hole for meter barrel and four ⅛" holes for mounting studs. Can be separately mounted in individual meter case (see index). Kit consists of a 5.0 milliampere meter, 500-ohm potentiometer for electrical zero-set, one 82-ohm ½-watt 10% resistor, one 330-ohm ½-watt 10% resistor, and instructions. Shpg. wt., 1 lb.
97 S 740. NET **12.00**

Transmitting Crystals



JAMES KNIGHTS "STABILIZED CRYSTALS"

TYPE H-73 AMATEUR CRYSTALS. In black phenolic holder. Pin spacing .486". Pin dia., .093". Tolerance, ±.03%. Size, 1⅛x15/16x7/16". Specify frequency. Supplied ±5 kc of frequency specified. **The H-73 crystals listed under Stock No. 99 S 257 are cut to the exact frequency you specify. Allow 30 days for delivery. Shpg. wt., 3 oz.*

Stock No.	Frequency (kc)	Stock No.	Frequency (kc)	EACH
99 SS 253	1800-2000	99 SS 267	7000-7500	2.95
99 SS 266	3500-4000	99 SS 259	8000-8230	
99 SS 254	6740-6800	99 SS 296	8340-9000	

99 S 257. 1.8-20.0 mc.* EACH **4.80**

TYPE H-173 AMATEUR CRYSTALS. For oscillators with low crystal current. Pin spacing, .486". Pin dia., .050". ¾x¾x¼". *Special order only. Allow 30 days for delivery. Specify frequency.* Shpg. wt., 3 oz.

Stock No.	Frequency	Supplied Within:	EACH
99 S 263	21-40 mc	±15 kc	4.95
99 S 264	40-54 mc	±25 kc	5.95

TYPE H-93 FREQUENCY-STANDARD CRYSTALS. Black phenolic base; anodized aluminum can. Silver-plated crystal. Pin spacing, .486". Pin dia., .093". Tolerance, ±.005%. 2" long; 1⅛" dia. 3 oz.
99 S 284. 100 kc. **99 S 287.** 1000 kc. NET EACH **6.95**

SPECIAL-APPLICATION CRYSTALS. Size, ¾x23/32x5/16". Pin spacing, 486". Pin dia., 093". *3rd overtone type. Av. shpg. wt., 3 oz.

Stock No.	Type	Frequency	Tolerance	Application	EACH
99 S 286	H-17L	4.5 mc	±.005%	TV alignment	4.80
99 S 258	H-17L*	27.255 mc	±.01%	Radio control	4.95

INDUSTRIAL CRYSTALS. Case size: Type H-17, 49/64x23/32x5/16"; H-17T, 1 33/64x23/32x5/16". Pin spacing, 0.486". Pin diameter, 0.050". *Special order only. Allow 30 days for delivery. Specify Type No. and frequency.* Av. shpg. wt., 3 oz.

Stock No.	Type	Frequency	Tolerance	EACH
99 SS 915	H-17T (HC-13/U)	16 kc-200 kc	±0.01%	19.95
99 SS 916	H-17 (HC-6/U)	200 kc-50 mc	±0.005%	14.95
99 SS 917	H-17 (HC-6/U)	50 mc-150 mc	±0.005%	19.95

BLILEY SPECIALIZED SERVICE CRYSTALS

TYPE MC-9 ALIGNMENT CRYSTALS. For use as marker in sweep generators or for calibration purposes. Phenolic holder, 1 11/64x13/16x7/16". Tol., ±.02%. Pin spacing, .486" (½"); dia., .093". 3 oz.
99 S 143. 5.0 mc. **99 S 145.** 10.7 mc. NET EACH **3.95**

TYPE MC-7 SHIP-TO-SHORE CRYSTALS. Available from 2.0 to 3.5 mc. Tol., ±.02%. Holder is 1 39/64x1⅛x21/32". Pin spacing is .750". Pin dia., .125" (⅛"). Specify frequency or location of shore station. *On special order only. Allow 30 days for delivery.* 3 oz.
99 S 165. NET **7.50**

MILLEN LOW-LOSS STEATITE CRYSTAL SOCKETS

Phosphor-bronze contacts; tinned lugs. Av. shpg. wt., 2 oz.

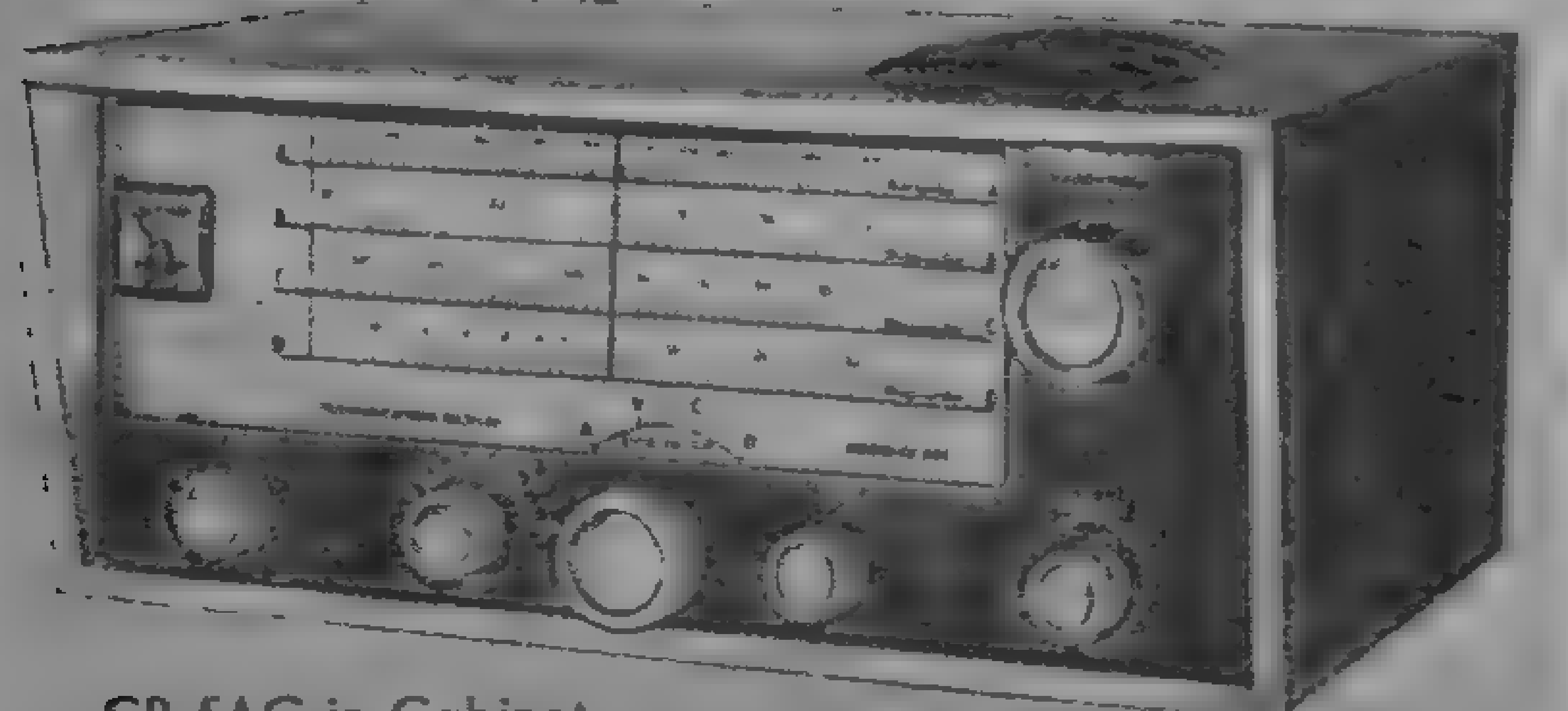
Stock No.	Type	Pin Spacing	Pin Diameter	NET EACH
72 H 035	33102	.486"	.094"	36¢
72 H 075	33302	.486"	.050"	24¢
72 H 029	33002	¾"	.125"	36¢

MOSLEY ADAPTERS

TYPE 75-5. Adapts ¾"-spaced holders to .486" sockets. 2 oz.
72 C 707. NET **36c**

TYPE 5-75. Adapts .486"-spaced holders to ¾" sockets. 2 oz.
72 C 708. NET **36c**

A Budget Buy for the Discriminating Novice or SWL!



CR-5AC in Cabinet

Low-Cost Philmore Receiver Kit

- Four-Band Superhet
- 550 kc through 30 mc
- Electrical Bandspread
- Built-In 4" Speaker

Model CR-5AC. A highly sensitive, bandswitching receiver covering all frequencies from 550 kc to 30 mc in four ranges. Electrical bandspread and "S" meter simplify tuning. Has built-in 4" speaker, variable BFO control, noise limiter, AVC, RF and AF gain controls, phone jack, etc. With 4 tubes, rectifier and all parts. Less cabinet (below). 6x15x9". For 110-120 v., 50-60 cycle AC. 12 lbs.
77 SX 826. *$2 Down.* NET **43.95**

CR Steel Cabinet. For above. 6 9/16x15 3/16x10". Shpg. wt., 7 lbs.
77 SX 827. NET **7.95**

Amateur Transmitting Antennas

THUNDERBIRD TRI-BAND BEAMS. Cover 10, 15 and 20 meters. Employ heavy-duty aluminum 2" OD boom and 1¼" elements telescoping to ¾". Designed for 52-ohm coax. Less than 2 to 1 SWR on all bands with no adjusting. Withstand 2 kw P.E.P. Have new weatherproof "solid state" Slim-Traps (1½" dia.). TH-4 has pretuned beta match and interlaced 4th element. L is boom length; R, turning radius. *Only $5 Down. Express or truck only.*

Stock No.	Type	Elements	Db Gain	L	R	Lbs.	NET
77 CZ 361	TH-4	4	8-8.9	16'	17' 10"	42	117.50
77 CZ 362	TH-3	3	Up to 8	14'	14' 8"	36	89.95
77 CZ 363	TH-2	2	5	6'	13' 8"	23	59.95

MULTI-BAND VERTICALS. Pre-tuned verticals for operating on up to 4 bands without switching. Weatherproof Slim-Traps develop quarter-wave resonance on all bands. Match 52-ohm transmission lines, providing less than 2:1 SWR. Handles to 1 kw AM or CW; 2 kw. P.E.P. Includes base insulator and mast mount. *$2 Down.*

Stock No.	Type	Bands (Meters)	Height	Shpg. Wt.	NET EACH
92 CX 488	14-AVS	10, 15, 20, 40	21 ft.	11 lbs.	27.95
92 CX 486	12-AVS	10, 15, 20	13½ ft.	9 lbs.	21.95

MODEL 18-HT HY-TOWER MULTI-BAND VERTICAL. Completely self-supporting, for 10, 15, 20, 40 and 80 meters. No traps used. Stub decoupling method provides high efficiency and less than 2:1 SWR on all bands. 52-ohm coax feed. 26-ft. aluminum top mast extends tower height to 50-ft. overall. X-braced steel tower has 15" base. With base insulators; less ground rods. Shpg. wt., 105 lbs.

77 CZ 877. *Only $5 Down.* NET EACH..................**129.50**

GROUND PLANE VERTICALS. Variable-tuned models, below, cover Amateur, commercial and citizens bands from 25-500 mc. Each model can be peaked for a specific frequency. 52 ohms.

Stock No.	Model	Frequency Range	Height	Shpg. Wt.	NET
77 CZ 878	GP-1C	25-50 mc	9 ft.	10 lbs.	32.70
77 SX 879	GP-2C	50-88 mc	4½ ft.	7 lbs.	21.90
77 SX 880	GP-3C	100-500 mc	1½ ft.	4 lbs.	14.97

MODEL DS-1 DISCONE. A new, vertically polarized, omnidirectional antenna covering 50 through 500 mc. Maintains low angle radiation and 50-ohm nominal impedance throughout its broadband range with less than 1½:1 SWR. Shpg. wt. 9 lbs.

77 SX 369. *Only $2 Down.* NET EACH..................**29.97**

SINGLE-BAND BEAMS. 40 through 6 meters beams have beta match factory adjusted for less than 1½:1 SWR into 52 ohm coax line. Model 210 may be fed with coax or parallel lines. All booms and elements are of aluminum alloy. L is boom length; R, turning radius. *Types with "Z" in Stock No. shipped by truck or express only.*

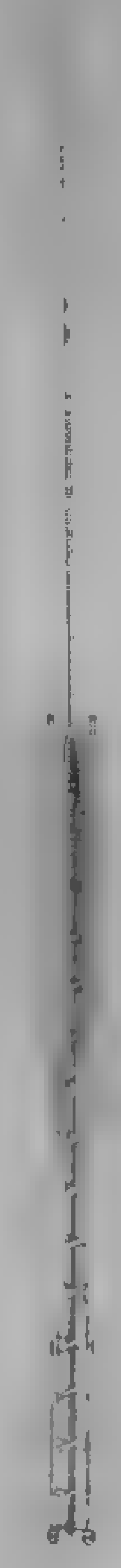
Stock No.	Type	Band	Elements	DB Gain	F/B Ratio	R	L	Wt.	NET
77 CZ 370	402-B	40M	2	5	20db	16'4"	16'	40 lbs.	99.75
92 CZ 484	203-B	20M	3	8+	25db	19'3"	16'	25 lbs.	65.95
92 CZ 483	153-B	15M	3	8+	25db	13'6"	12'	19 lbs.	38.50
92 CZ 482	103-B	10M	3	8+	25db	9'8"	8'	12 lbs.	32.95
92 CX 481	65-B	6M	5	9	25db	7'1"	9'	8 lbs.	18.95
92 CX 480	210	2M	10	13.4	30db	6'3"	12'	6 lbs	14.95

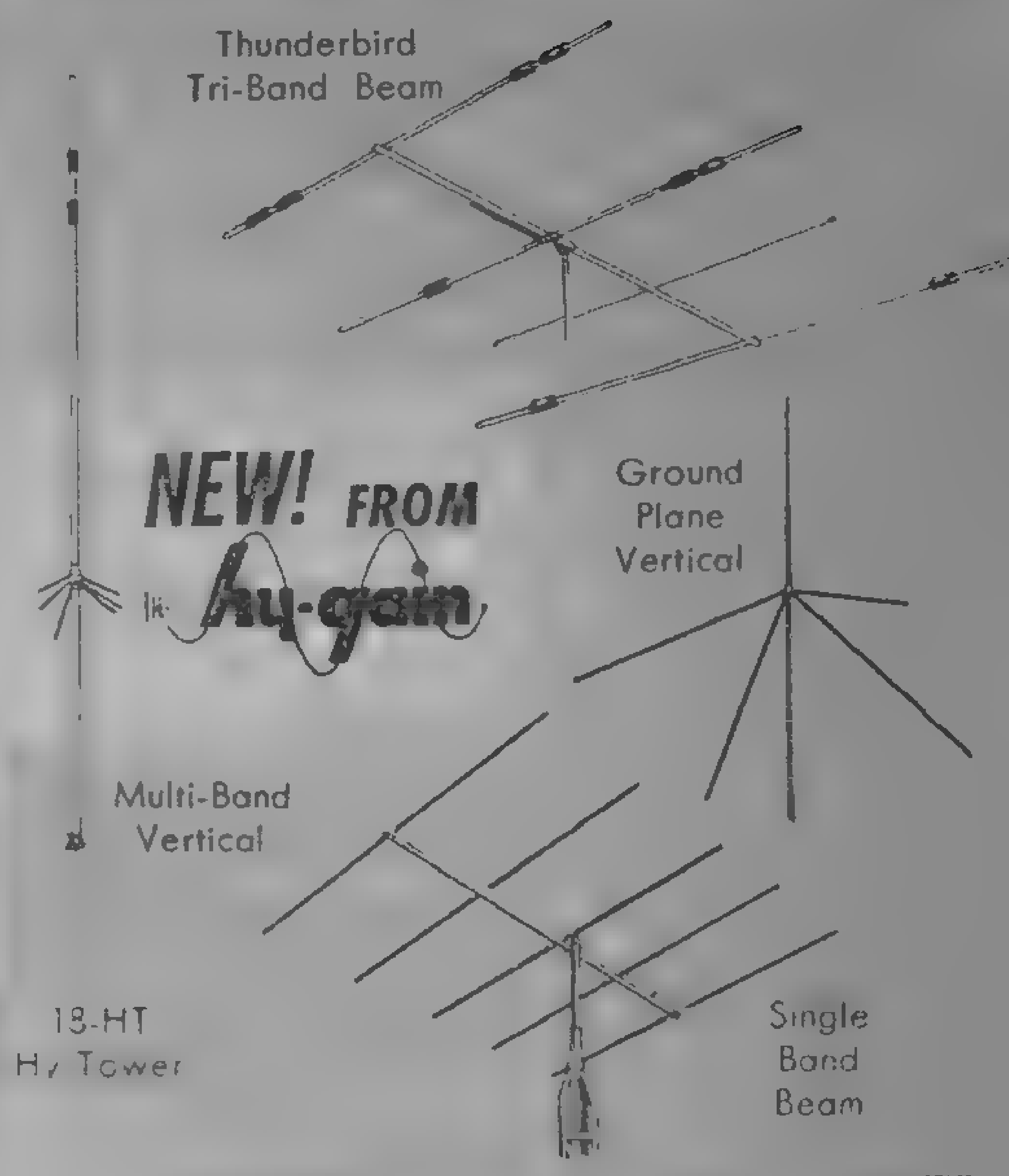
MODEL T3TDK TRAP-TRAVELLER "MICRO-DIPOLE." Portable dipole for 10, 15 and 20. 3-ft. long for easy carrying—16-ft. extended. Use with UB bracket. 52 ohms. With two T-3 coils. 11 lbs.

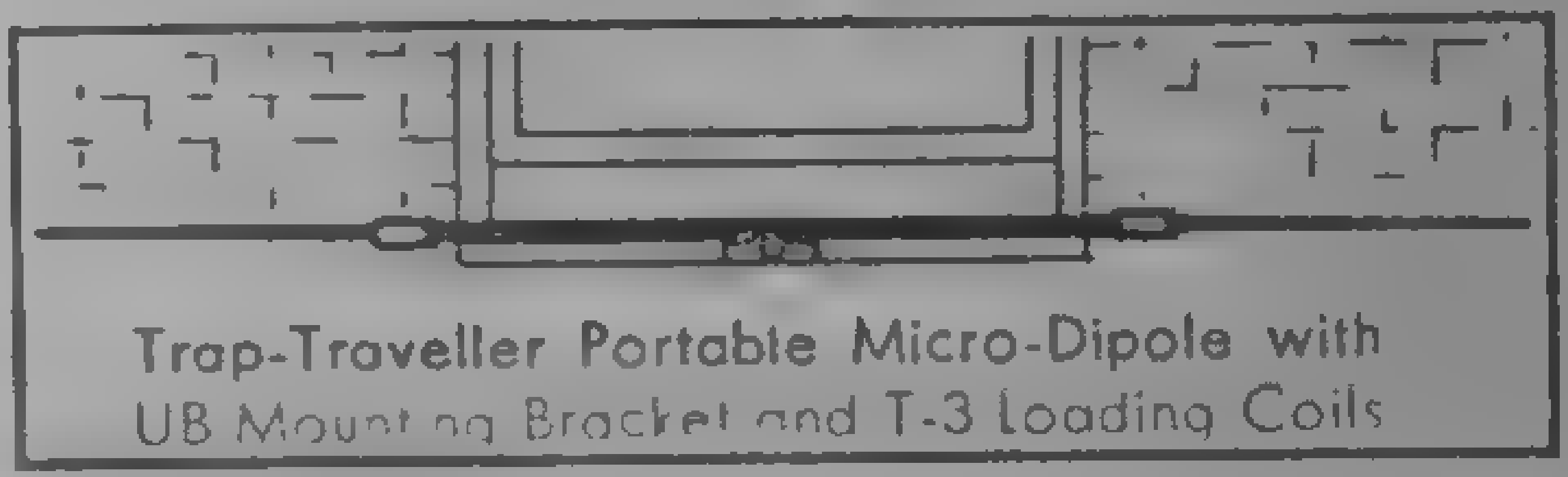
77 SX 883. *Only $2 Down.* NET..........................**44.95**

77 SX 884. **UB Universal Mounting Bracket.** Wt., 4 lbs. NET. **9.75**

77 S 371. **TCC Carrying Case.** For T3TDK 1 lb. NET. **8.95**






Trap-Traveller Portable Micro-Dipole with UB Mounting Bracket and T-3 Loading Coils

MULTI-BAND DOUBLET ANTENNAS (**"Compressed" illustration—actual length 32-to-130'**)

All employ copper-clad steel wire covered with polyethylene extrusion. Molded plastic end and center insulators. Use unique stub decoupling to perform on from 2 to 6 bands with less than 2:1 SWR. Less RG8/U. *$2 Down.*

Stock No.	Model	Bands	Length	Lbs.	NET
77 SZ 887	6BD	6-80	130'	7	37.50
77 SZ 888	5BD	6-40	64'	5	29.95
77 SZ 889	4BD	6-20	32'	4	21.95
77 SZ 368	2BD	40-80	128'	6	34.95

TELREX BEAM ANTENNAS

TC-99 CHALLENGER TRI-BAND ARRAY. A new, three-element, three band beam for 10, 15 and 20 meters. Provides clean-cut, high-performance unidirectional pattern and low SWR on all bands covered. Uses single 50-ohm transmission line with broadband "bazooka" feed. Will handle 1 kw AM or CW and 2 kw P.E.P. Has full 8.5 db forward gain, 28 db front-to-back ratio, and side nulls of 35 db or better. 2" O.D. boom is 16 ft. long. Antenna turning radius is approximately 17 ft. Longest element: approximately 29 ft. Elements and boom are of rugged aluminum. With hardware. Less coax line. 58 lbs.

99 CZ 964. NET..............**159.50**

SINGLE-BAND BEAMS. All-aluminum beams for 10, 6 and 2 meters—designed to withstand high winds and icing. Precision-tuned. Employ coaxial half-wave baluns to match 52-ohm line. First numeral in type number indicates frequency band, second numeral, number of elements. F/B ratio and gain are given in db. L indicates boom length in feet. R is turning radius in feet. *All except 2M-3C shipped truck or express only.*

Stock No.	Type	F/B	Gain	L	R	Lbs.	NET
91 CZ 994	10M-309B	26	8.5	9	8½	14	31.50
[illegible]2 CZ 250	6M-309	26	8.8	6	6	7	16.25
77 CZ 890	6M-624B	24	5	24	12½	25	38.50
92 SX 219	2M-3C	18	19.4	2⅝	3	2¼	6.95
92 CZ 273	2M-609	22	12.7	8½	5½	4	12.50

MOSLEY ANTENNAS

TA-33. High-gain, broadbanded, 3-element beam—provides top performance on 10, 15 and 20 meters. Up to 8 db gain with 25 db, or better, F/B. Streamlined, weatherproof traps easily take 1 kw. 14' aluminum boom has full ⅛" wall thickness. Matches 52-ohm line, less than 1.1:1 SWR at resonance. Fits masts up to 1½". Turning radius, 15½ ft. Wt., 53 lbs. *Express or truck only.*

92 CZ 360. *$5 Down.* NET.......**97.75**

92 CZ 478. **TA-33 "Jr."** 3-el. 300-watt beam. Up to 8 db gain, 25 db F/B. 12' boom. 14¾' turning radius. *Express or truck only.* 28 lbs. NET..............................**68.11**

V-4-6. Cover 10 to 40 meters with this vertical—no bandswitching. Low SWR with flat response. Employs weatherproof traps designed for stability. Rated 1 kw. Aluminum tubing telescopes to 20 ft. With mtg. plate, hardware, nylon guy rope. 12 lbs.

92 CX 363. *$2 Down.* NET.......**27.39**

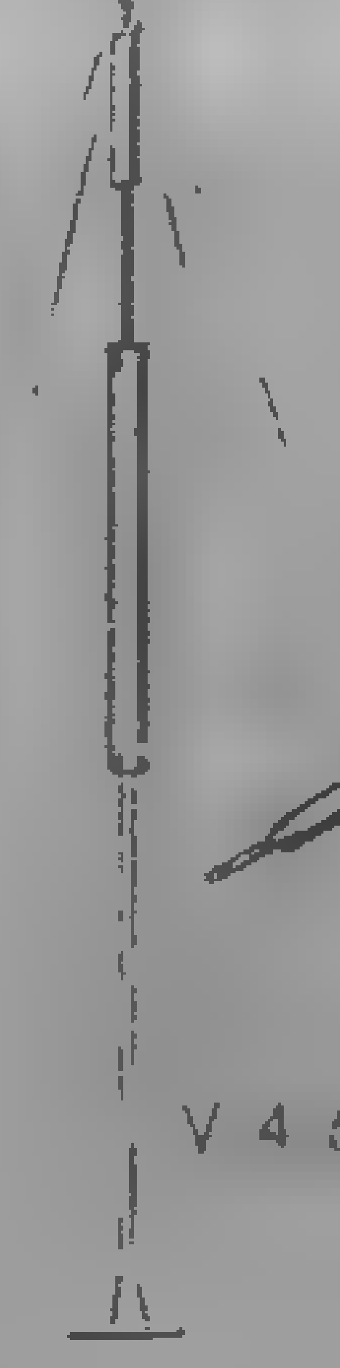
76 S 073. **D-4BC.** 80-75 meter base loading coil for above. 3 lbs. NET...........**14.65**

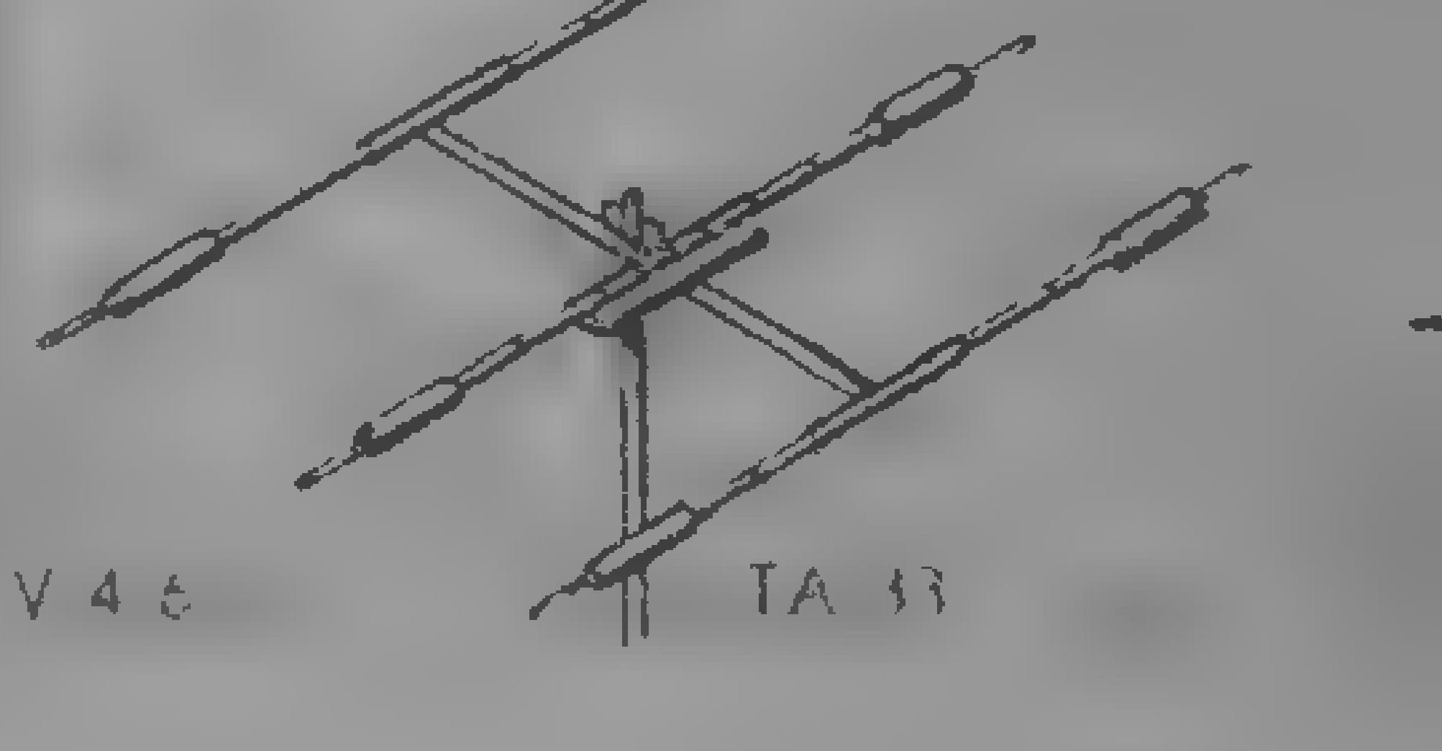
V-3. 3-band vertical antenna provides automatic bandswitching on 10, 15 and 20 meters. Rated 1 kw. Weatherproof traps. 11½' high. With guy ropes, mtg. base. 8 lbs.

77 CZ 891. *$2 Down.* NET.......**22.49**

V-3-JR. As above, but 300 watts. 6 lbs.

92 CZ 473. NET.................**17.59**

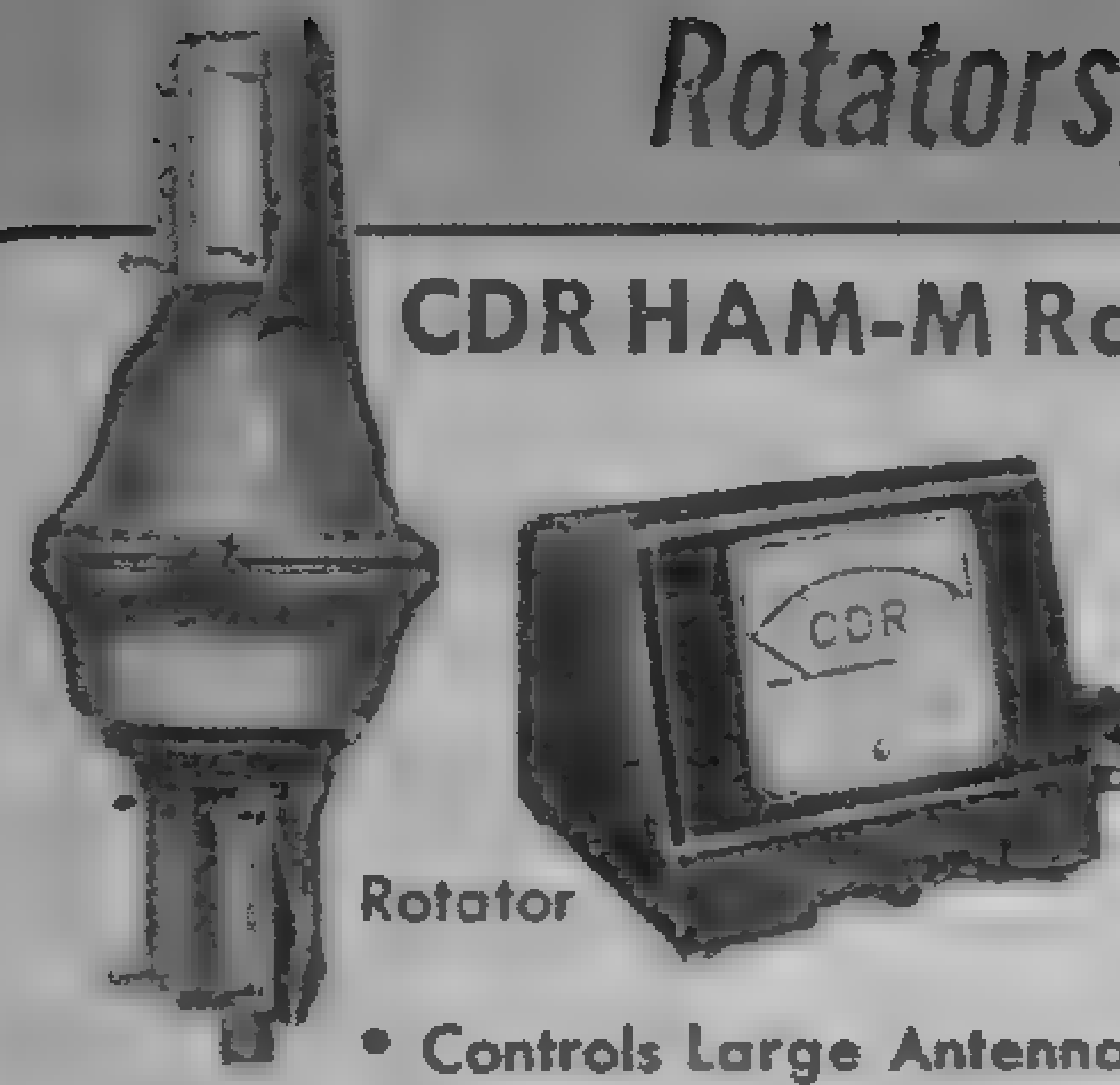




Buy Your Beam on Allied's Easy Pay Plan

Rotators, Towers, Antennas and Accessories

CDR HAM-M Rotator

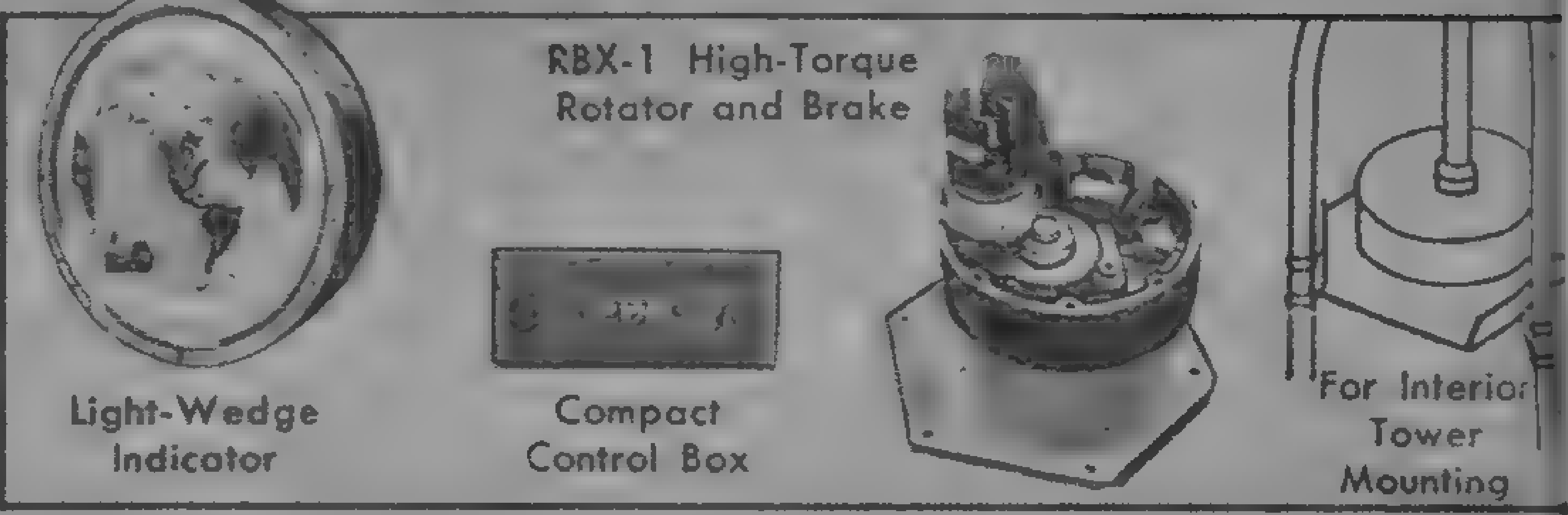


- **Controls Large Antennas**
- **Load Rating Over 1000 Lbs.**

Heavy-duty rotator system for control of large antennas in high winds. Features rugged brake and motor with stainless steel gears and 98 ball bearings. Has end-of-rotation power cut-off. Vertical load rating over 1000 lbs.—heavy plates distribute stresses. Indicator can be read without starting motor. Meter calibrated with compass points, and in 3° increments. Provides 365 inch-lbs. rotating torque; 3500 inch-lbs. braking. Accommodates ⅞ to 2" O.D. masts. Less cable (below). For 115 v., 60 cycle AC. 23 lbs.

92 SX 357. *$5 Down.* NET............**117.11**

47 T 330. 100-Ft. Coil Belden 8448 8-Conductor Cable. For above. 4½ lbs. NET..........**6.27**


RBX-1 High-Torque Rotator and Brake
Light-Wedge Indicator
Compact Control Box
For Interior Tower Mounting

HY-GAIN BEAM ROTATOR AND CONTROL SYSTEM

RBX-1 "ROTO-BRAKE". Rugged, heavy-duty, precision rotator-brake. Capacity motor rotator with stainless steel gears develops 1000 inch-lbs. torque—brake provides 10,000 inch-lbs. braking torque—sufficient to withstand forces of high velocity winds on large arrays. Rated to 1000 lbs. downthrust. Mounts in towers with 10-18" between uprights. Height, 9". Less cable (right). For 115-120 v., 50-60 cycle AC. *Side-mounting kits available—write for prices.* Shpg. wt., 35 lbs. *"Roto-Brake" is shipped by express or truck only.*

83 SU 691. *$5 Down.* NET **129.95**

CONTROL SYSTEM. Consists of a translucent great-circle world map indicator and control box. Countries are outlined and marked with their respective call prefixes. Selsyn-controlled wedge of light rotates with beam. Use *only* with RBX-1. With wall mounting bracket. For Central U.S.A. Indicator, 3½x18" dia. Wt., 3 lbs. *Express or truck.*

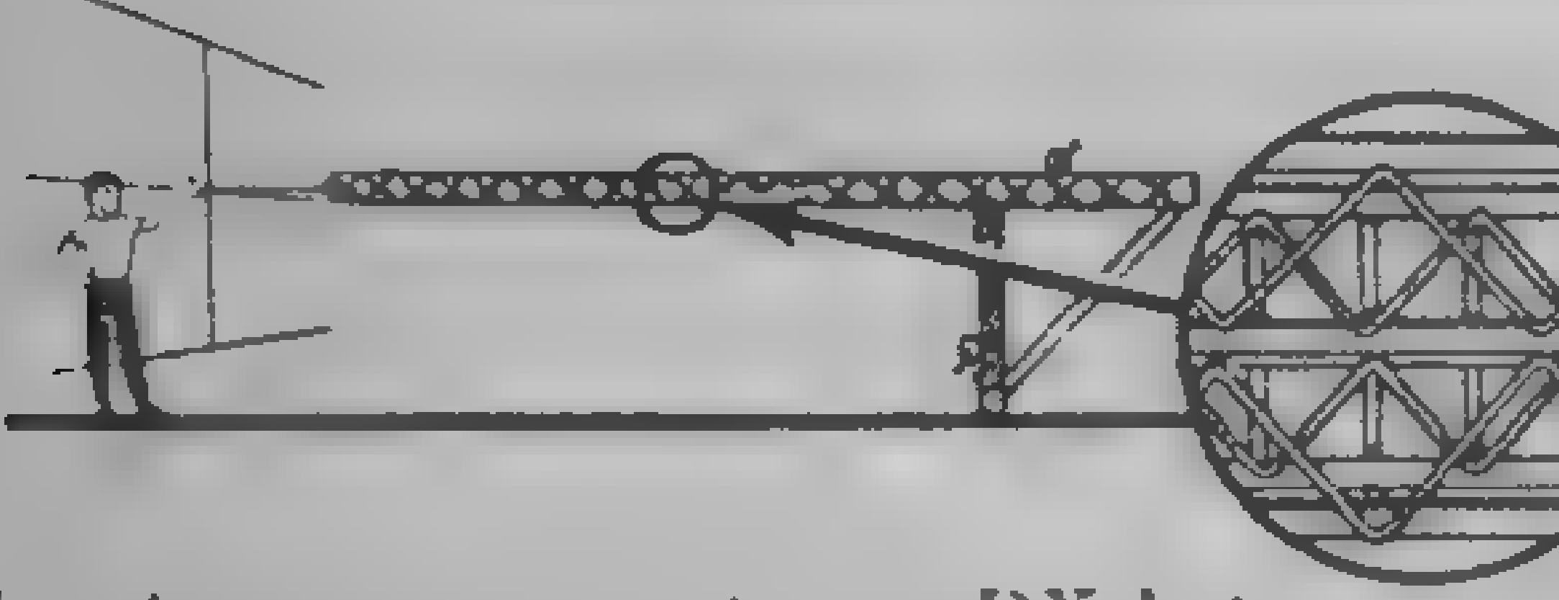
83 SU 692. *$5 Down.* NET....**70.00**

83 SU 693. For E. Coast. NET **70.00**

83 SU 694. For W. Coast. NET **70.00**

49 W 474. 9-Cond. Cable. For above. 4 lbs. per 100'. NET PER FT.........**9c**

E-Z WAY Tiltover Antenna Tower



Designed to withstand winds of extremely high velocity—uses heavy-wall structural steel tubing. Features solid rod, continuous diagonal bracing and welded construction throughout.

These towers go way up to snag DX, but can easily be cranked down for work on the antenna. Makes antenna installations safe and convenient. When used with Ground Post mounting kit (below), tower mounts in a 5-ft. hole—does not require a concrete base or external guying for its support. Used with Building Attached kit (below), tower is anchored to side of an adjoining structure for support. Specially designed construction, using heavy-wall structural steel tubing, solid steel rod and continuous diagonal bracing, withstands winds of extremely high velocity. Will easily support a full-sized beam in winds of 60-mph or higher—when cranked down, winds of 125-mph can be withstood. Thrust bearing relieves rotor of all weight. Hot-dipped galvanized surfaces, except *dip-painted surface. Accepts CDR Ham-M rotor head. Other rotor heads on special order. *Specify rotator to be used when ordering. Shipped by truck or rail prepaid Tampa, Fla., or Chicago, Ill., whichever is nearer. Send full remittance on cash orders—no C.O.D. Available on our Easy Pay Plan.*

Stock No.	Model No.	Description	Ft.	Lbs.	NET EACH
77 CZ 860	RBS-40P*	Std. duty 2 sec.	41	235	169.50
77 CZ 861	RBS-40G	Std. duty 2 sec.	41	235	209.50
77 CZ 862	RBS-50G	Std. duty 2 sec.	51	290	279.50
77 CZ 863	RBX-60-3G	Heavy-duty 3 sec.	60	430	410.00

E-Z WAY GROUND POST AND SIDE MOUNTING KITS

Simplify installation of E-Z Way towers. Ground Post kits (GPK types) contain all necessary equipment for mounting towers in the ground, without concrete base or guying. Building Attached kit (BAK-S40) is for mounting tower alongside a building.

Stock No.	Model No.	Use With	Wt., Lbs.	NET EACH
77 CZ 864	BAK-S40	Any RBS Twr.	10	10.50
77 CZ 865	GPK-S40	RBS-40P or G	150	75.00
77 CZ 866	GPK-S50	RBS-50G	195	90.00
77 CZ 867	GPK-X60-3	RBX-60-3G	245	125.00

USE ALLIED'S EASY PAY PLAN

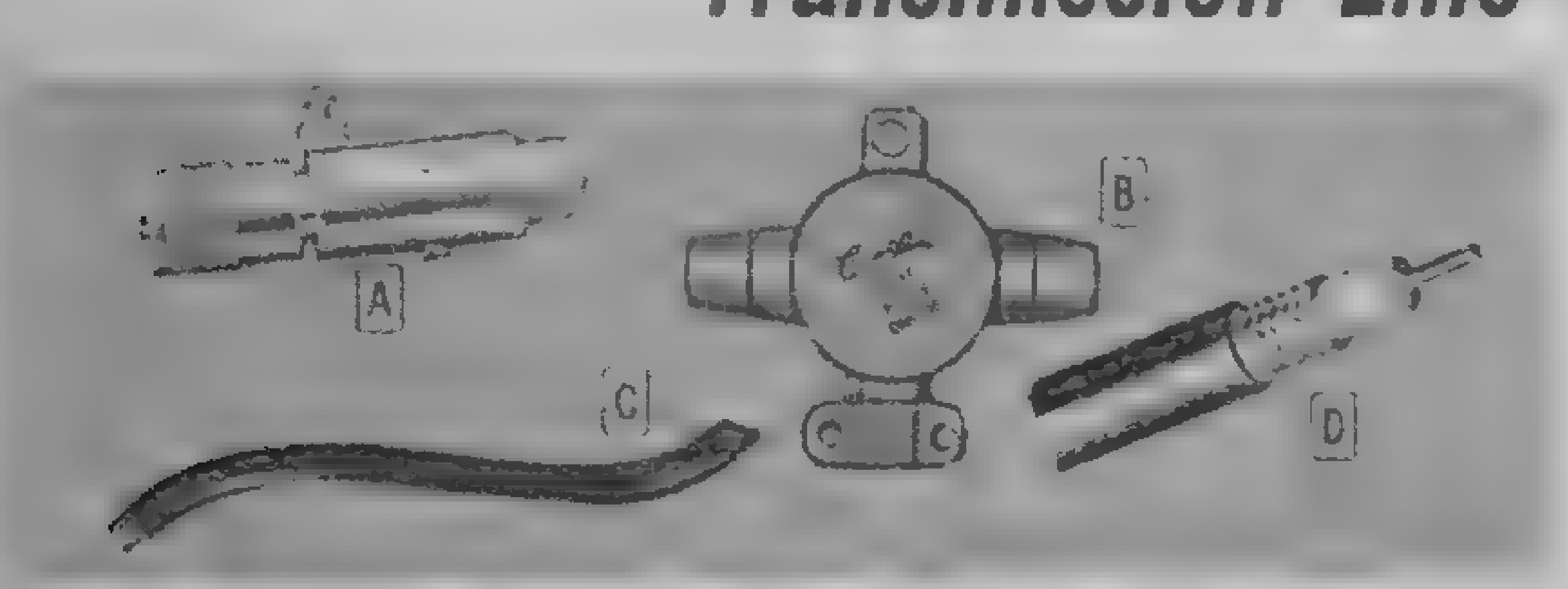
Get full enjoyment from Ham Radio by using our Easy Pay Plan. There's no need for a big outlay of cash—even a complete rig, with beam and all accessories is only $10 down. See our Easy Pay Page for full details.

Amphenol Folded Dipoles

Folded-dipole antennas for transmitting and receiving on the four most popular Amateur bands. Have excellent broadband characteristics. Antenna sections use high-strength 300-ohm twin-line with copper-clad steel conductors. May be cut for short-wave, FM or other bands. (Use 20-meter dipole for cutting to 15-meter length, 40-meter dipole for the 9 or 12-mc SW band.) Supplied complete with T-block assembly and 75 feet of 300-ohm twin-lead transmission line.

No.	Type	Band	Feet	Lbs.	EACH
98 S 318	139-010	10	18	2	5.35
98 SX 319	139-020	20	35	3	6.00
98 SX 320	139-040	40	70	4	7.80
98 SX 321	139-080	80	135	5	11.25

Transmission Line and Coaxial Fittings



COAXIAL FITTINGS AND CONNECTORS

[A] **CUSH-CRAFT "BLITZ BUG" LIGHTNING ARRESTER.** Coax fitting to protect transmission lines from lightning, as well as punctures from high SWR. Gap principle eliminates static build-up. Has Type 83 RF connectors. 3¼" long. Shpg. wt., 4 oz.

77 S 324. NET..**3.95**

[B] **CESCO "DRI-FIT" CONNECTOR.** A completely moisture-proof center connector ideal for use with dipole antennas. One-piece aluminum alloy construction. Handles maximum legal power. For RG8, RG58, RG11 or RG59, or 300-ohm twin lead. Easily installed in just a few minutes. Has "eye" pull-up for inverted V type antennas. Shpg. wt., 2 oz.

77 S 326. NET **2.95**

TWIN-LEAD AND COAXIAL TRANSMISSION LINE

[C] **AMPHENOL TYPE 214-076 TRANSMITTING TWIN-LINE.** 300-ohm air-core tubular. 7/26 copper conductors. Rated 1 kw RF. Shpg. wt., 100 ft., 3½ lbs. 100 ft. minimum.

49 TX 416. 100-ft. coil. NET..........................**6.36**

AMPHENOL 214-023 TRANSMITTING TWIN-LINE. 75 ohm. Handles up to 1 kw RF power. Propagation factor, 71%. Attenuation: 1.40 db per 100 ft. at 28 mc. Shpg. wt., 100 ft., 4 lbs.

49 W 495. NET PER FOOT..................................**7c**

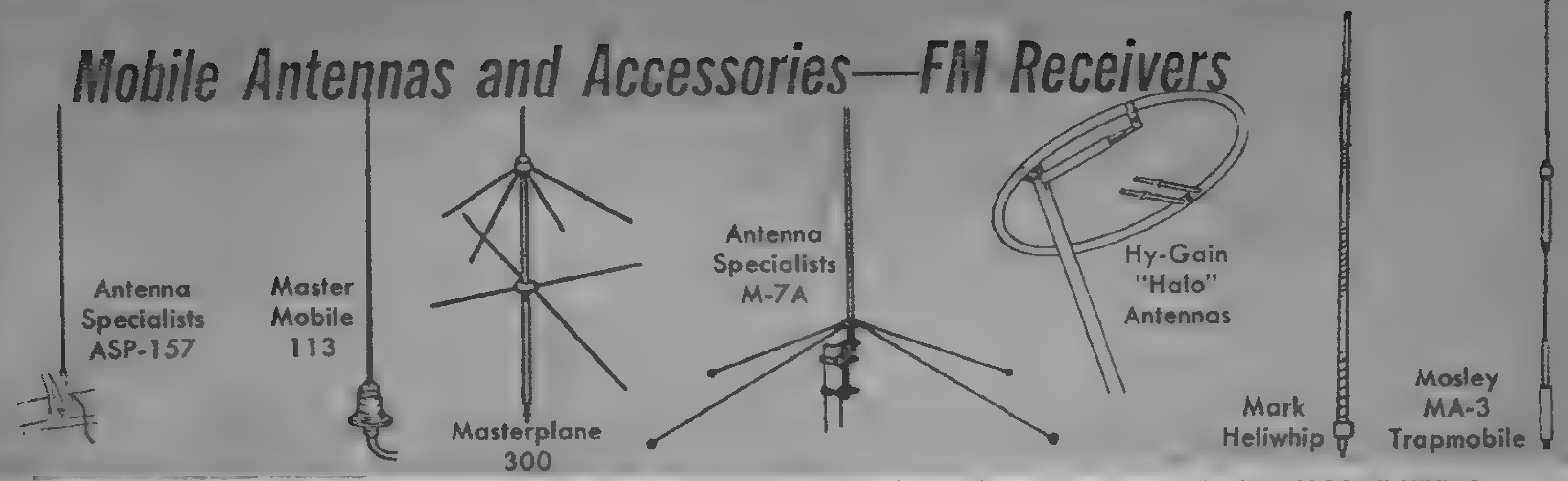
[D] **CONSOLIDATED RG COAXIAL CABLE.** Highly dependable coax. Ideal for transmission lines and other RF applications. All have black vinyl jacket, polyethylene dielectric, copper braid shield and bare copper conductor except, RG11/U, *tinned copper.

Stock No.	Type	Ohms	Mmf/Ft.	O.D.	Lbs. 100'	PER FT.
49 W 104	RG8/U	52	29.5	.405"	10½	12¢
49 W 109	RG11/U*	75	20.5	.405"	10	11¢
49 W 113	RG58/U	53.5	28.5	.195"	3	4½¢

AMPHENOL LOW-LOSS COAXIAL CABLE. Types 621-111 and 621-715 similar to RG8/U and RG59/U respectively, but have polyfoam dielectric. Attenuation 15% less than standard RG types.

Stock No.	Type	Ohms	Mmf/Ft.	O.D.	Lbs. 100'	PER FT.
49 W 644	621-111	50	26.5	.405"	10½	.156
49 W 339	621-715	73	17	.195"	2	.050

Mobile Antennas and Accessories—FM Receivers



VHF MOBILE ANTENNAS

ANTENNA SPECIALISTS ASP-157 WHIP. Clamps on auto rain gutter. Cut for 144 mc. With 12-ft. RG58/U, PL-259. 1½ lbs.
92 SX 390. NET.................6.76

MASTER MOBILE 113 WHIP. For auto roof-top mounting. Range 140-165 mc. 5⁄16″ hole. With 10 feet of coax. Shpg. wt., 1 lb.
97 SX 148. NET.................3.88

MASTER MOBILE 613 WHIP. Above, with locking coaxial antenna-base connector.
92 SX 355. NET.................4.85

MASTER MOBILE 114 COAXIAL ANTENNA. Not illus.) For 140-165 mc. Gives low radiation angle from vehicle or fixed location. With 10-ft. coax. ⅜″-dia. stud. Wt., 5 lbs.
97 SX 149. NET.................9.75

2-METER GROUND PLANES

MASTER MOBILE "MASTERPLANE" 300. A highly effective 2-meter antenna; outperforms vertical dipoles. Four drooping and 4 adjustable straight radials. With 3-ft. mast, 52-ohm coax fitting. Wt., 3 lbs.
98 SX 357. NET.................12.69

2-METER GROUND PLANES (cont'd)

ANTENNA SPECIALISTS M-7A. A new antenna ideal for 2-meter work. Has vertical radiator and 4 radials. With U-bolt hardware for ¾″ pipe. Base accepts PL-259. 8 oz.
78 SX 153. NET.................5.29

"HALO" VHF MOBILE ANTENNAS

HY-GAIN HH-6. A highly popular mobile antenna for 6 meters. Offers high mechanical stability and minimum wind resistance. 1″-dia. aluminum tubing. Weather-sealed. Fits any standard mobile mount. With gamma match for 52 ohms. Less mast. 5 lbs.
77 SX 868. NET.................12.95

HY-GAIN HH-2. Similar to above, but for 2 meters. Only 14″ dia. ½″ aluminum tubing. No external matching system required. Less mast. Shpg. wt., 1½ lbs.
77 SX 869. NET.................5.95

HY-GAIN HM MOUNTING MAST. 8-ft. aluminum mast takes 6 and 2-meter Halos singly or together. Fits any standard mobile mount. Shpg. wt., 6½ lbs.
77 CU 870. NET.................4.95

6-80 METER MOBILE WHIPS

MARK HW "HELIWHIP" SERIES. Fiberglas-molded, continuously loaded miniature whips. Resemble standard auto antennas. For mounting on fender, trunk lid, etc. *Bandwidth for 2:1 VSWR. Fit std. mounts or HWM-1 flat surface mount (below).

Stock No.	Type	Band	*Kc	Ft.	Lbs.	EACH
77 SX 358	HW-6	6 M	4000	3	¾	9.95
92 SX 322	HW-10	10 M	1000	4	¾	9.95
92 SX 323	HW-15	15 M	500	4	¾	9.95
92 CX 324	HW-20	20 M	250	6	1	10.95
92 CX 325	HW-40	40 M	100	6	1	10.95
92 CX 326	HW-80	80 M	60	6	1	10.95
92 CX 333	HW-3	10-15-20M	.....	6	3	19.50
92 S 327	HWM-1	Molded base mount			½	7.50

MOSLEY MA-3 "TRAPMOBILE". 3-band whip—no switching or retuning to change bands. Top radiation efficiency and low SWR over full width of each band. Base coil and center trap cover 10, 15 and 20 meters. Use with standard base loading coils for 40 and 80. Stainless steel whip section. Fits std. mounts. 92⅛″. Shpg. wt., 6 lbs.
92 CX 332. *$2 Down.* NET.................19.95

ANTENNA LOADING COILS

A **97 S 167.** **Master Mobile 666 "All-Bander."** Continuously variable, 10-75 meters. Selects any pair of adjacent turns. 2⅜x13¾″. Shpg. wt., 1½ lbs. NET..14.66

92 S 516. **Master Mobile 750 "Deluxe All-Bander."** As above, but selects any spot on any turn. 2½ lbs. NET.............14.66

B **83 CU 590.** **Master Mobile B-1080 "Slim Jim."** Base-loading, 10-75 meters. For 96″ whip. 1⅜x19″. 4½ lbs. NET.....17.59

C **83 S 588.** **Master Mobile 900 "Aristocrat."** Tapped for 10-75. For 2-section whip. 3x6″. Shpg. wt., 1½ lbs. NET. 14.66

D **92 S 225.** **Master Mobile 825 "Micro-Z-Match."** Variable inductor matches any coax to any whip. 2 lbs. NET.........7.79

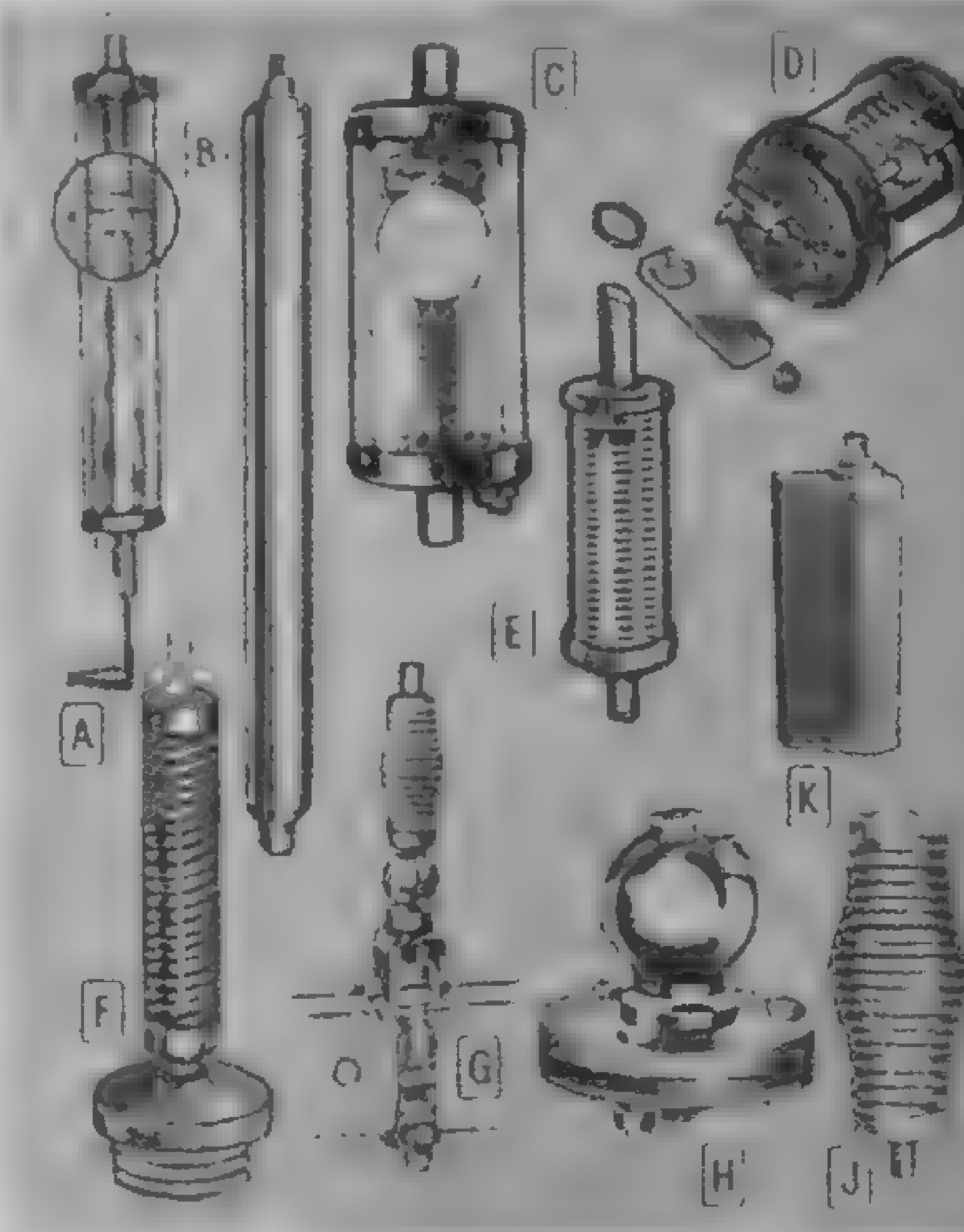
E **Master Mobile "Ultra-Hi-Q" Coils.** For 1-band use with 2-section whip. 1 lb.
92 S 352. 80 Meters. 2½ x8″. NET..5.14
92 S 353. 40 Meters. 2½x5″. NET...5.14
92 S 354. 20 Meters. 2½x3″. NET...5.14

K **77 S 885.** **Hy-Gain T-3 3-Band Coil.** For center-loaded whips. Covers 10, 15 and 20 meters. 4½x1½″. 3 lbs. NET...16.95

MOBILE ANTENNA ACCESSORIES

All Master Mobile, except *Antenna Specialists. †Stainless steel. Av. wt., 3 lbs.

Stock No.	Type	Fig.	Description	NET
92 S 222	711	F	Strain-rel. spring	1.91
92 S 361	444	G	Bump. mnt., spring, swivel base	17.44
92 S 362	445	...	444 less spring & swivel	7.79
77 S 873	MMW3AE	H	Ebony base mount	6.81
77 S 874	MMW3APS	H	Polished mount & steel hardware	9.06
77 S 872	MMW7	J	Cad.-plated sp'rg	4.41
78 S 154	MMW7HC	J	Above, heavy-duty	5.39
77 S 871	MMW7SS†	...	Heavy-duty sp'rg	8.77
78 S 155	MMWCC	...	Coax adapter kit for MMW bases	1.95
97 CU 155	100-96S†	...	96″ whip. ⅛″ dia.	5.14
97 CU 166	100-60S†	...	60″ whip. ⅛″ dia.	4.85
78 SX 156	88	...	36″ lower section for all-band antennas. ¼″ dia.	4.85
92 S 223	10-H	...	Hold-down clamp	.98
83 S 591	295	...	"E-Z-Off"—removes whips & coils	2.89
78 S 157	M-11*	...	Rubber plug—1½″ cov. dia. ¼″ hole	.59
78 S 158	M-10*	...	Above; 3¼″ cov dia. 15⁄16″ hole	.88



Monitoradio and Hallicrafters FM Receivers

MONITORADIO MR-10. A deluxe FM receiver covering 152-174 mc. Features adjustable squelch, fully tuned RF stage, transformer power supply, slide-rule dial and built-in 5″ PM speaker. 4 µv sensitivity. 7 tubes plus rectifier. Size, 7⅞x11¼x6½″. For 105-125 v., 60 cycle AC. 18 lbs.
99 SU 002. *$5 Down.* NET.......64.50

MODEL MR-33. As above, but for 30-50 mc.
99 SU 003. *$5 Down.* NET.......64.50

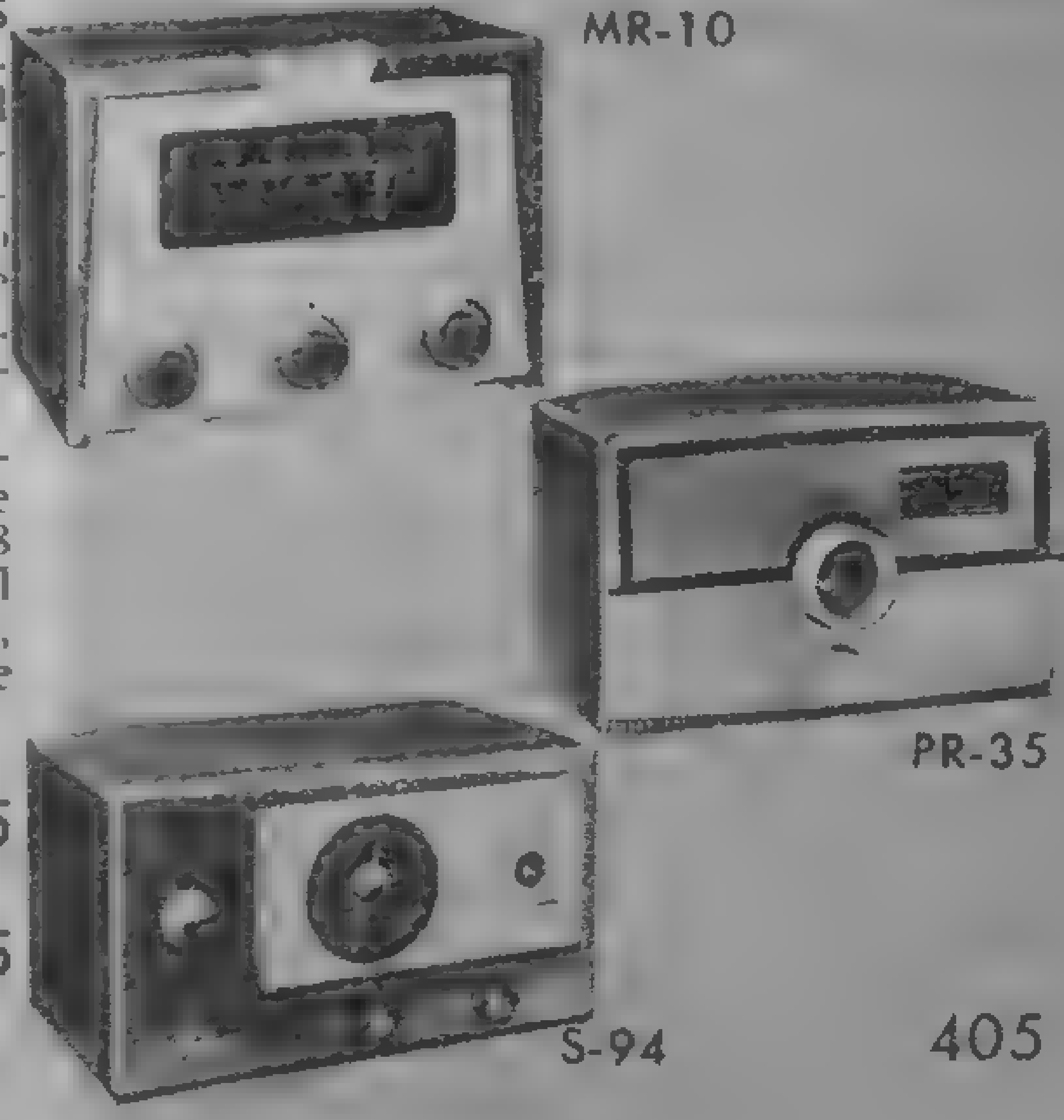
MONITORADIO PR-35. Moderately priced FM receiver for 30-50 mc. Has temperature-compensated superhet circuit. Sensitivity: 10 µv for ±5 kc deviation; 100 kc selectivity. Built-in 4″ PM speaker. 5 tubes plus rectifier. 50-72 ohm input. 6x9½x5½″. For 110-120 v., 50-60 cycle AC, or DC. 6 lbs.
77 S 811. *$2 Down.* NET.......49.95

MODEL PR-155. As above, but for 152-174 mc and includes 14″ indoor antenna.
77 S 812. *$2 Down.* NET.......49.95

HALLICRAFTERS "CIVIC PATROL" RECEIVERS. Two, compact FM receivers for superb reception of police, fire, taxicab, aircraft, and other industrial and emergency-service communications. Advanced circuit design assures low drift, high signal-to-noise ratio and exceptional sensitivity. Low-noise grounded-grid RF stage. Two IF stages. Adjustable relay-type squelch system. Built-in 5″ PM speaker and phone-tip jacks. Both models also have terminals for single-wire or twin-lead antennas (external wire antenna supplied), 0-100 logging scales, 8 tubes plus selenium rectifier, and gray steel cabinets with silver and red trim. Size, 7x12⅞x7¼″. For 110-120 v., 50-60 cycle AC. Shpg. wt., 12½ lbs.

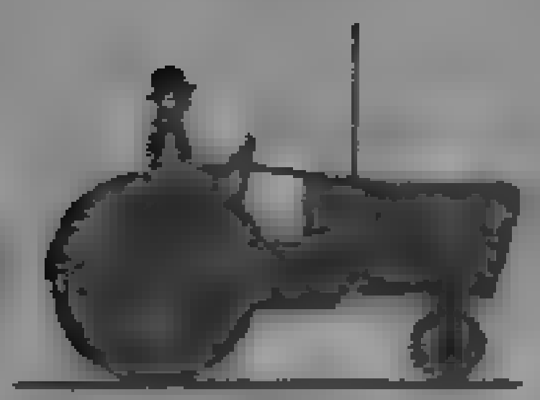
MODEL S-94. Covers 30-50 mc FM.
98 SU 708. *$5 Down.* NET.......64.95

MODEL S-95. Covers 152-173 mc FM.
98 SU 721. *$5 Down.* NET.......64.95



Time-Saving Citizens Radio Equipment—Kit or Wired

HUNDREDS OF USES



Widely scattered workers receive their instructions without any delay.

Allows you to keep in constant touch with home or office from your car.

Ideal for maintaining communications between pleasure craft and cottage.

What Is Citizens Radio?

Now, you can have your own 2-way radio communications system, for either business or personal use, at a very low cost. The 11-meter band has been allocated for the exclusive use of private and personal messages by radio. For the required license, simply fill out the form supplied with your unit and mail it to the FCC—no examination is required. Any U.S. citizen, 18 years or older qualifies for a license.

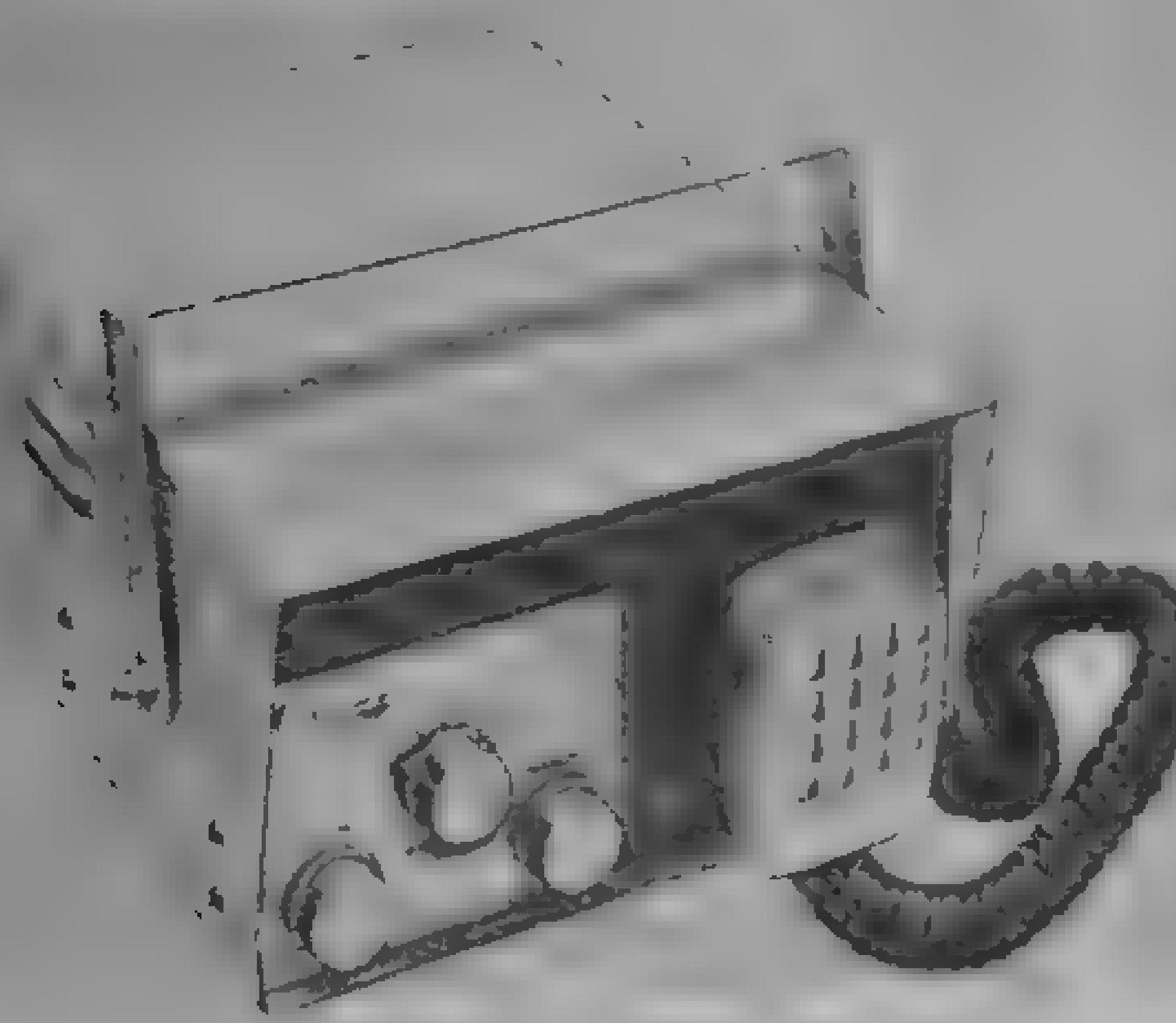
OPERATING RANGES

Effective operating ranges vary considerably with antenna height and terrain. Figures given below are ranges that can be expected with 5-watt (legal maximum) input. *Base (home) station.

Use	Range
Car to Base*	Up to 12 miles
Base to Base*	Up to 20 miles
Car to Car	Up to 7 miles
Boat-Boat-Shore	Up to 20 miles

HOW TO SELECT GEAR

To obtain maximum working range between fixed stations, or if mobile operation is desired, sensitive, maximum-power type units should be selected. In addition, accessory antennas are available to further increase working range. For hunting, surveying, construction work, etc., where only close-in, line-of-sight, communication is required, lightweight hand-held types are suitable.



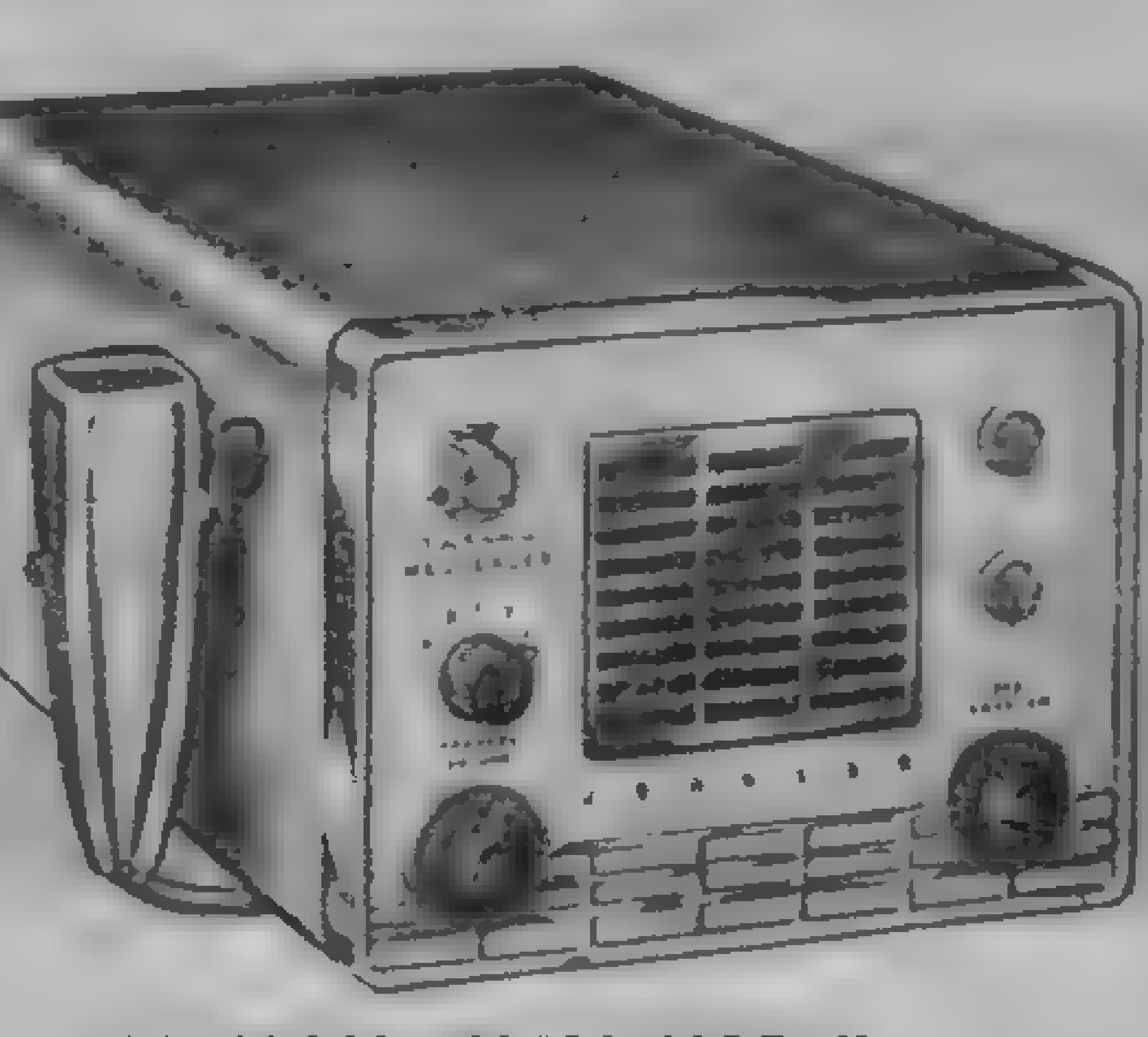
MULTI-PRODUCTS "CITI-FONE"

MODEL CD5/12. A versatile transceiver that can be taken anywhere. Provides dependable communication. Transmitter operates at maximum input power; receiver is superhet—features high sensitivity and selectivity. Panel switch selects any 5 of the 22 citizens band channels—both receiver and transmitter are crystal-controlled. Has adjustable squelch and built-in noise limiter. With convenient cigarette lighter plug for fast installation—easily and quickly transfers from one car, boat, etc., to another.

Size, 4¼x8x11". With push-to-talk mike, crystals for one channel, power cords. Less antenna. For 110-120 v., 50-60 cycle AC or 12 v. DC. Shpg. wt., 12 lbs.

99 SX 908. *$5 Down.* NET.......**134.50**

MODEL CD-5/6. For 110 v. AC or 6 v. DC.
99 SX 907. *$5 Down.* NET.......**134.50**



JOHNSON "MESSENGER"

MODEL 242-128. Compact transceiver for top Citizens Band performance. Receiver is highly sensitive and selective superhet; transmitter operates at maximum power input. Panel switch selects any of 5 crystal-controlled channels. Squelch keeps receiver quiet between messages; also has ANL. Has chrome-plated front-panel, gray-wrinkle finish cabinet. With crystals for 1 channel, push-to-talk mike, power cords. Less antenna. 5⅝x7x11". For 110-120 v., 50-60 cycle AC or 12 v. DC. Shpg. wt., 16 lbs.

77 SX 849. *$5 Down.* NET......**139.75**

MODEL 242-127. For 110 v. AC or 6 v. DC.
77 SX 892. *$5 Down.* NET........**139.75**

78 S 184. **MODEL 251-828. Universal Dash Mounting Kit.** Wt., 1¼ lbs. NET.......**2.50**

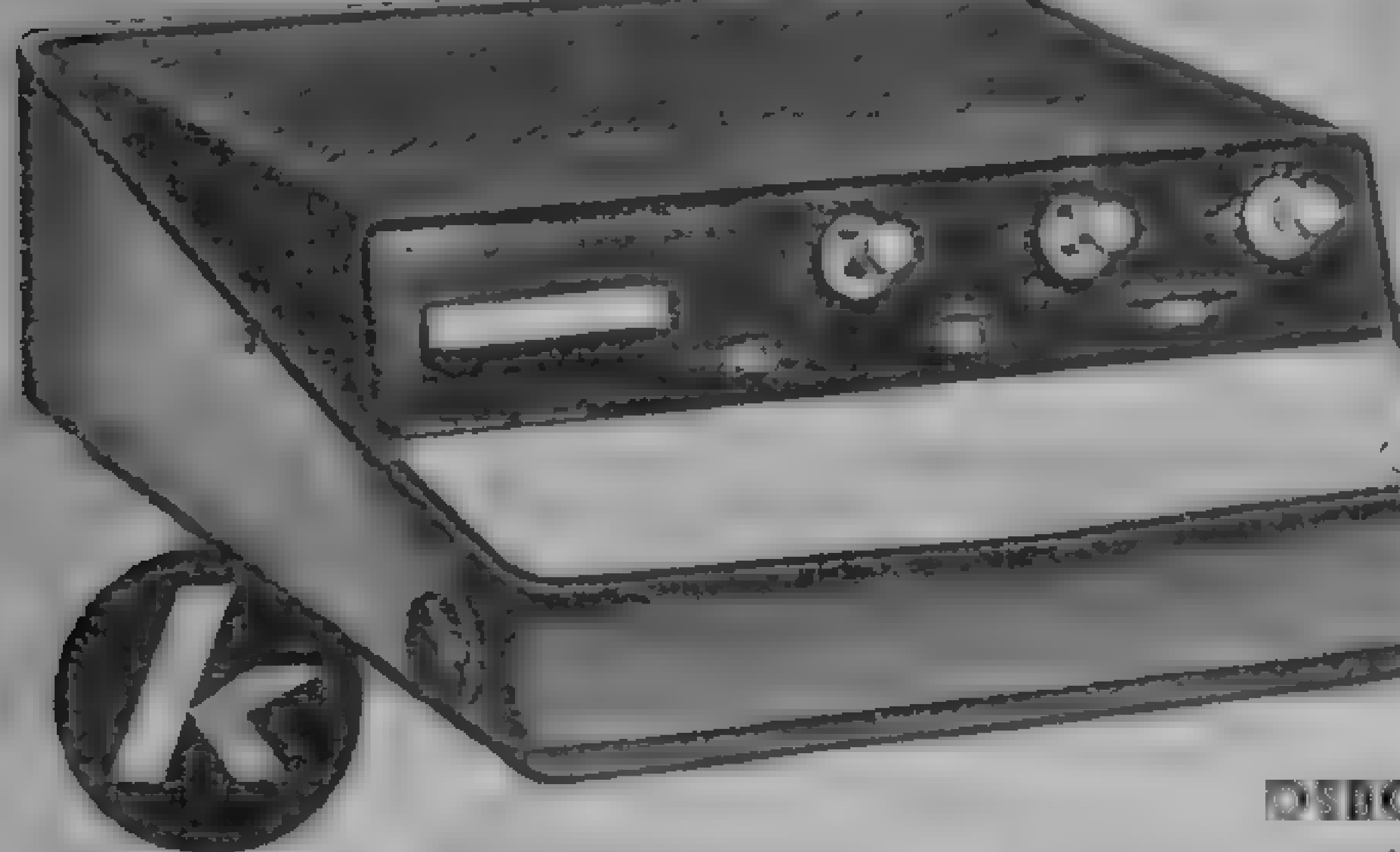
VOCALINE ED-27M "COMMAIRE"

Highly-efficient Citizens Band transceiver. Crystals can be plugged in for transmitting on any 4 of the 22 Citizens Band channels; includes convenient switch for selecting desired crystal. Dual-conversion, crystal-controlled superhet receiver can be pre-tuned for fixed-frequency reception of any 4 channels. Transmitter operates at maximum input of 5 watts. Receiver features 1/10 µv sensitivity; selectivity is ±5 kc at 6 db points. Efficient transistorized power supply. Provides 4.5 watts of audio output. With crystal for one channel, universal mount, mike and hanger. 5¼x9¼x8¼". Shpg. wt., 13 lbs.

77 SX 351. For 110 VAC/12 VDC. NET.............................**151.60**

77 SX 350. For 110 VAC/6 VDC NET **151.60**

C-27 Transceiver



KNIGHT-KIT C-27 TRANSCEIVER KIT

This surprisingly low-priced kit is the finest, most versatile transceiver available at any price! Simple, intercom-type operation—push-to-talk, release-to-listen. Operates at maximum input power on any two switch selected channels; crystal for one channel supplied. Tunes all 22 channels manually. Dual-conversion receiver has ½ µv sensitivity; squelch; ANL. Optional accessories include: 6-12 v. power supply, push-to-talk mike, telephone handset, antenna, and mobile mtg. bracket. 15½x12⅞x15⅛". For 105-125 v., 60 cycle AC. Shpg. wt., 20 lbs. *See Knight-Kit section for details.*

83 YX 712-2. *$5 Down.* ONLY...**79.95**

NO LICENSE OR PERMIT IS NEEDED FOR THIS UNIT*

Model 100 "Duo-Com"

OSBORN MODEL 100 "DUO-COM"

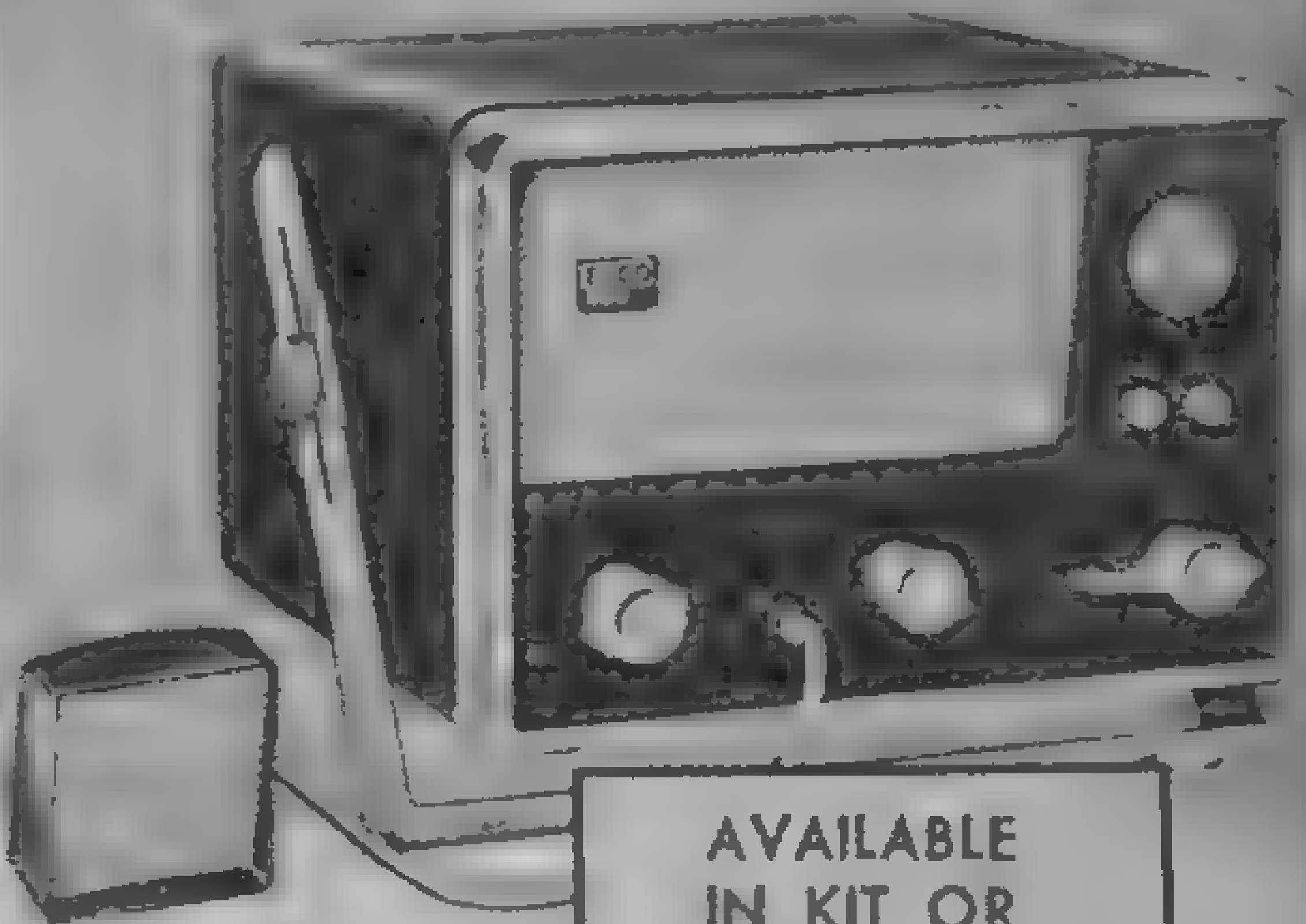
Hand-held, transistorized transceiver for line-of-sight use. Dual-conversion receiver features sensitivity of 1 µv for 10 db S/N. Has telescoping antenna; jacks for external ant., speaker-mike. Has 100 mw RF input. **Except when used with 5-watt units.* With crystals for channel 10. Less batteries, below (uses 8). 7¾x4x1⅝". 1½ lbs.

77 SC 356. *$5 Down.* NET.......**99.50**

78 S 159. Lapel-Type Speaker-Mike. For above. Shpg. wt., 4 oz. NET.........**10.30**

77 S 357. Leather Case. 1 lb. NET....**9.85**

80 J 689. Burgess NE Battery. 2 oz. NET..**.09**



AVAILABLE IN KIT OR WIRED FORM

Model 760

EICO MODEL 760 TRANSCEIVER KIT

Crystal-controlled transmitter and tunable superhet receiver. Operates on any channel by changing crystal. Pi output. With mtg. bracket, mike, crystal. 6x8½x9". For 110-120 v., 50-60 cycle AC. 12 lbs.

78 SZ 185. *Only $5 Down.* NET..**59.95**

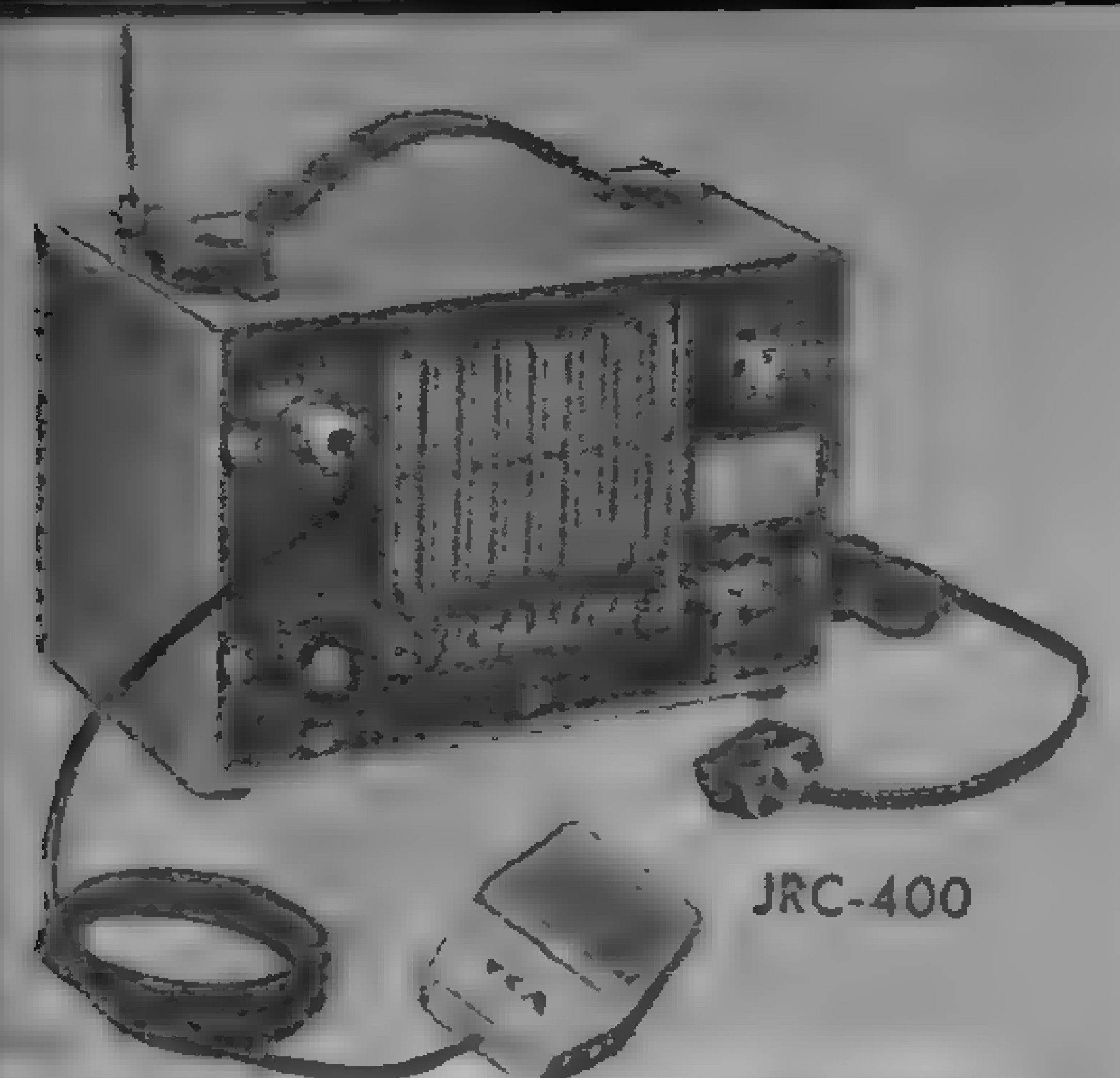
78 SZ 186. As above, but wired. NET.**89.95**

MODEL 762 KIT. For 120 v. AC or 12 v. DC.
78 SZ 187. *Only $5 Down.* NET....**69.95**

MODEL 762. As above, but wired.
78 SZ 188. *Only $5 Down.* NET....**99.95**

For a Wide Selection of Citizens Band Antennas—See Next Page

Citizens Band Antennas and Accessories



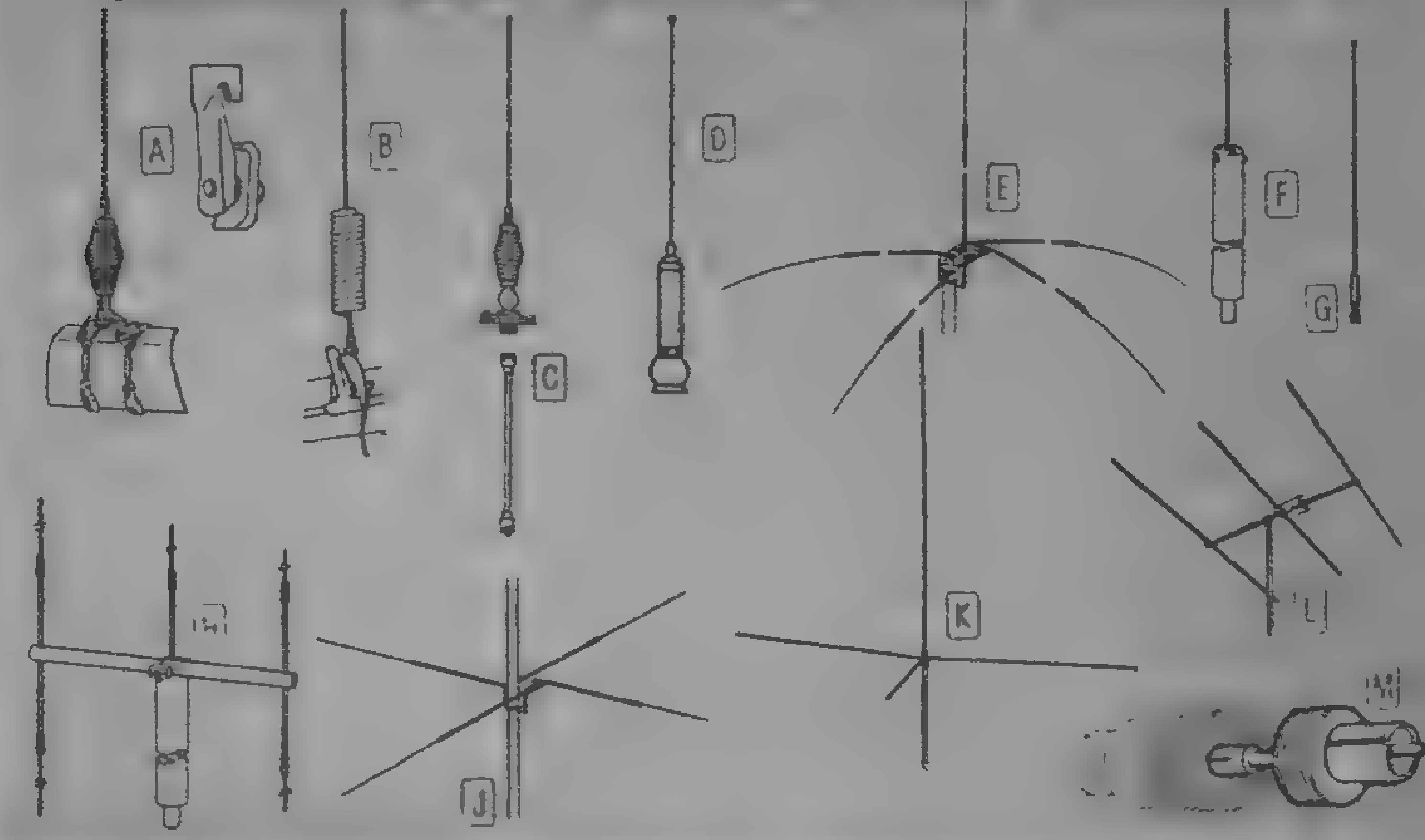
THIS UNIT OPERATES AT ⅓-WATT OUTPUT ON THE 465-MC CITIZENS BAND

VOCALINE JRC-400 STANDARD TRANSCEIVER. A compact, lightweight unit for reliable voice communications over limited ranges. Plugs into any 115-v. AC outlet or 6 or 12-v. DC source. No tuning or adjustments necessary. Operates on 465-mc Citizens Band with ⅓-watt power output. Simple application form (included with each unit) is filled out and mailed to FCC. Station permit for the equipment is readily granted to any U.S. citizen 18 years of age or more. Unit has hundreds of uses—on farms, boats or docks, in warehouses or storage yards, etc. Ideal for both industrial and private users. Tubes: 6AV6, 6AF4A, 6AS5. Has volume control. Size, 9x6x5". With plastic-case mike, AC and DC power cords, plug in antenna, built-in speaker. Wt., 3½ lbs.
83 SU 881. For 115 VAC/6 VDC
83 SU 883. For 115 VAC/12 VDC.
Only $5 Down. NET EACH.........**59.80**

JRC-425 SPECIAL. As above, with headphone jack and push-to-talk steel mike.
83 SU 884. For 115 VAC/6 VDC.
83 SU 885. For 115 VAC/12 VDC.
Only $5 Down. NET EACH.........**83.80**

GP4-10 GROUND-PLANE ANTENNA. For 465-mc interior-to-exterior work. With 10-ft. RG58/U cable and hardware. Wt.. 1 lb.
83 S 882. NET **6.36**

AD-3 DIRECTIONAL ANTENNA. Uses corner-reflector design to extend range on 465-mc band. Less cable and mast. Shpg. wt., 7 lbs.
92 CU 369. *$2 Down.* NET........**19.96**



27-MC MOBILE ANTENNAS

A **77 CZ 847.** Antenna Specialists M-24. 102" whip, spring, 20' RG58/U, gutter clip, single bumper mount. 6 lbs. NET **17.25**

78 CZ 165. MB-24. As above, with double-grip bumper mount. Wt., 6 lbs. NET **19.92**

B **77 SX 705.** Antenna Specialists ASP-185. Auto gutter-clamp, 40" whip. With 12' RG58/U, vinyl-covered loading coil, and PL-259 adapter. 1¾ lbs. NET.......**12.23**

C **77 CZ 846.** Antenna Specialists M-23. 102" whip, swivel mount, gutter clip, 20' RG58/U, PL-259s. 5½ lbs. NET....**18.52**

D **78 CZ 166.** Hy-Gain CMS. 52" stainless-steel whip with base-loading coil, L network for 50 ohms, standard body mount. 1 lb. NET..........................**8.97**

78 CZ 173. Antenna Specialists M-3B. 102" stainless-steel whip. 1¼ lbs. NET.....**4.26**

77 SX 822. Mark HW-11 "Heliwhip". Fiberglas-molded 48" whip. For fender, trunk lid, etc. Fits std. mounts. ¾ lb. NET.....**9.95**

92 S 327. Mark HWM-1. Molded base mount for HW-11, above. Shpg. wt., ½ lb. NET..............................**7.50**

27-MC FIXED-STATION ANTENNAS AND ACCESSORIES

All are Hy-Gain, except *Antenna Specialists, †Vanco. §Matched for 52 ohms.

No.	Type	Fig.	Description	Lbs.	NET
77 CU 845	MC-27*	E	Ground plane. 108" radials & radiator. Accepts PL-259. Fits 1-1¼" masts.	5	15.63
78 CZ 167	M-36*	F	Vertical coaxial ant. 9' radiator. 9' skirt. Takes PL-259. Fits ¾" mast	6½	19.55
77 S 850	CW	G	44" telescoping whip for transceiver mounting. With PL-259 plug.	2	5.97
78 CZ 168	M-37*	H	Vertical beam. Like M-36 above, but with director, reflector and boom	15	44.10
78 S 169	M-38*	J	Isolating skirt for MC-27 (above). Mounts 9' below. Fits 1-1¼" masts.	3	11.14
78 CZ 170	CLR§	K	Colinear ground plane. 18' high. 3.4 db gain. With base ins., mtg. bracket.	10	29.97
78 SZ 171	SGP§	...	Deluxe ground plane. ⅝"-dia. radiator & radials. Fits to 1⅝" masts.	5	16.17
77 CZ 858	113-B§	L	3-element beam. 9 db gain. 8' boom 16½' elements. With mtg bracket.	15	31.50
77 S 852	CC-12	...	Coaxial cable kit. 12-ft. RG58/U with PL-259 on one end, solder lugs on other.	½	4.17
77 S 855	CC-25	...	Coaxial cable kit. 25-ft. RG58/U with PL-259 plug on both ends.	¾	5.97
77 S 859	CC-50	...	Coaxial cable kit. 50-ft. RG58/U with PL-259 plug on both ends.	1½	9.45
41 H 199	CPA†	M	Coax adapter. Adapts PL-259 plug to standard auto antenna plug.	⅛	.44

Citizens Band Crystals and Accessories

27-MC CRYSTALS

TYPE HC-6/U. Precision-ground Citizens Band crystals—match most Class D equipment in use today. Holders are hermetically sealed, with .486" pin spacing and .050" pin dia. Have ±.005% frequency tolerance, meeting FCC requirements. *When ordering, be sure to specify: Stock No. and frequency desired; Make and Model of equipment (or circuit reference if home-built), and whether crystal is for transmitting or receiving. Special Order only—allow two weeks for delivery.* Wt., 3 oz.

CHOOSE FROM THESE FREQUENCIES:

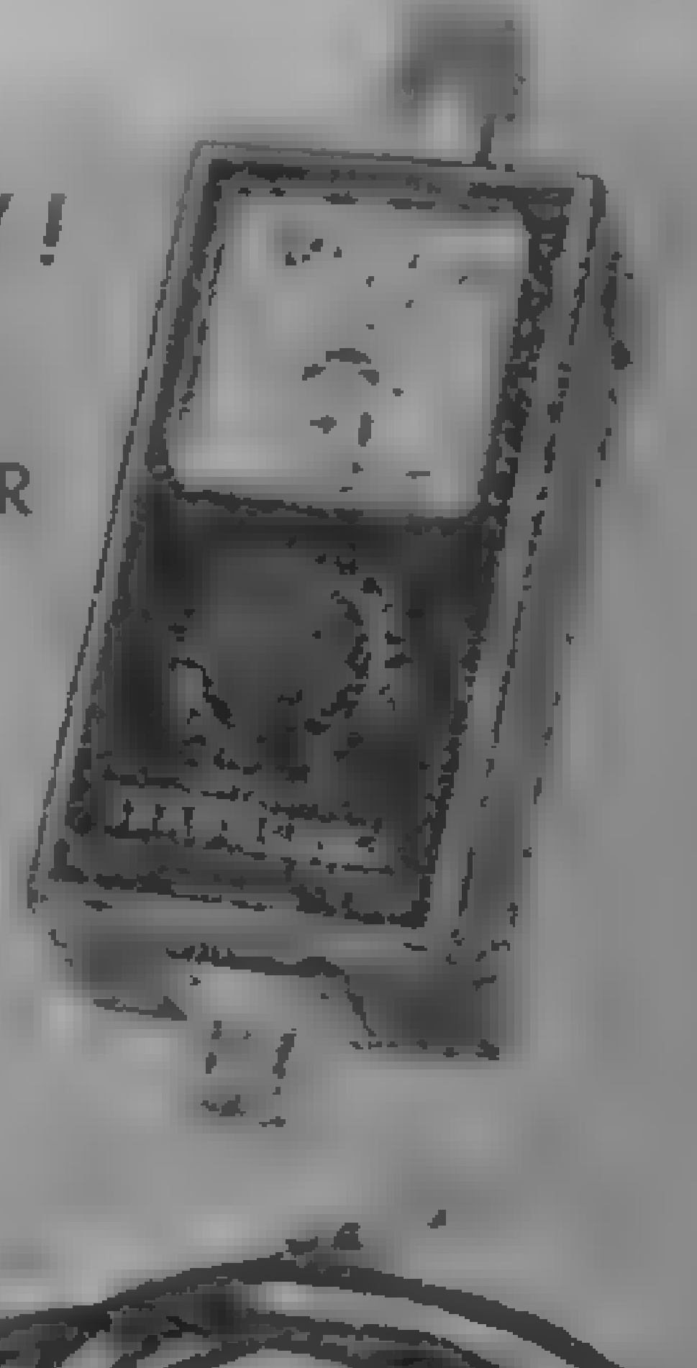
Channel No.	Frequency, Mc	Channel No.	Frequency, Mc
1	26.965	12	27.105
2	26.975	13	27.115
3	26.985	14	27.125
4	27.005	15	27.135
5	27.015	16	27.155
6	27.025	17	27.165
7	27.035	18	27.175
8	27.055	19	27.185
9	27.065	20	27.205
10	27.075	21	27.215
11	27.085	22	27.225

99 SS 918. *Specify frequency and use.* **2.50**

CESCO "TRANSICHECK" TEST METER

MODEL CB-52-C. An easy-to-use test instrument for measuring and adjusting power output and antenna efficiency of Citizens transmitters. Sensitive dual-scale meter shows watts output (0-5) and power loss percentage. Coaxial connectors for 50 ohms. 4⅛x2⅛x1½". 2 lbs.
77 S 360. *Only $2 Down.* NET... ....**19.95**

MODEL CB-52-S. As above, but has auto spade connectors.
77 S 359. NET... . . . .**18.95**


NEW! TEST METER

KAAR "TELE-O-MATIC" SIGNAL DIVIDER

MODEL TSD. New filter network to permit simultaneous operation of standard broadcast and 27-mc Citizens transceivers from one Citizens Band antenna. No switching needed. Unit simplifies compliance with Conelrad regulations. Less than 2% transfer loss, and 42 db reverse rejection between receivers. With cables, terminals, ground strap. 3⅞x2". Shpg. wt., 8 oz.
78 S 174. NET... . . . .**8.95**

SIGNAL DIVIDER

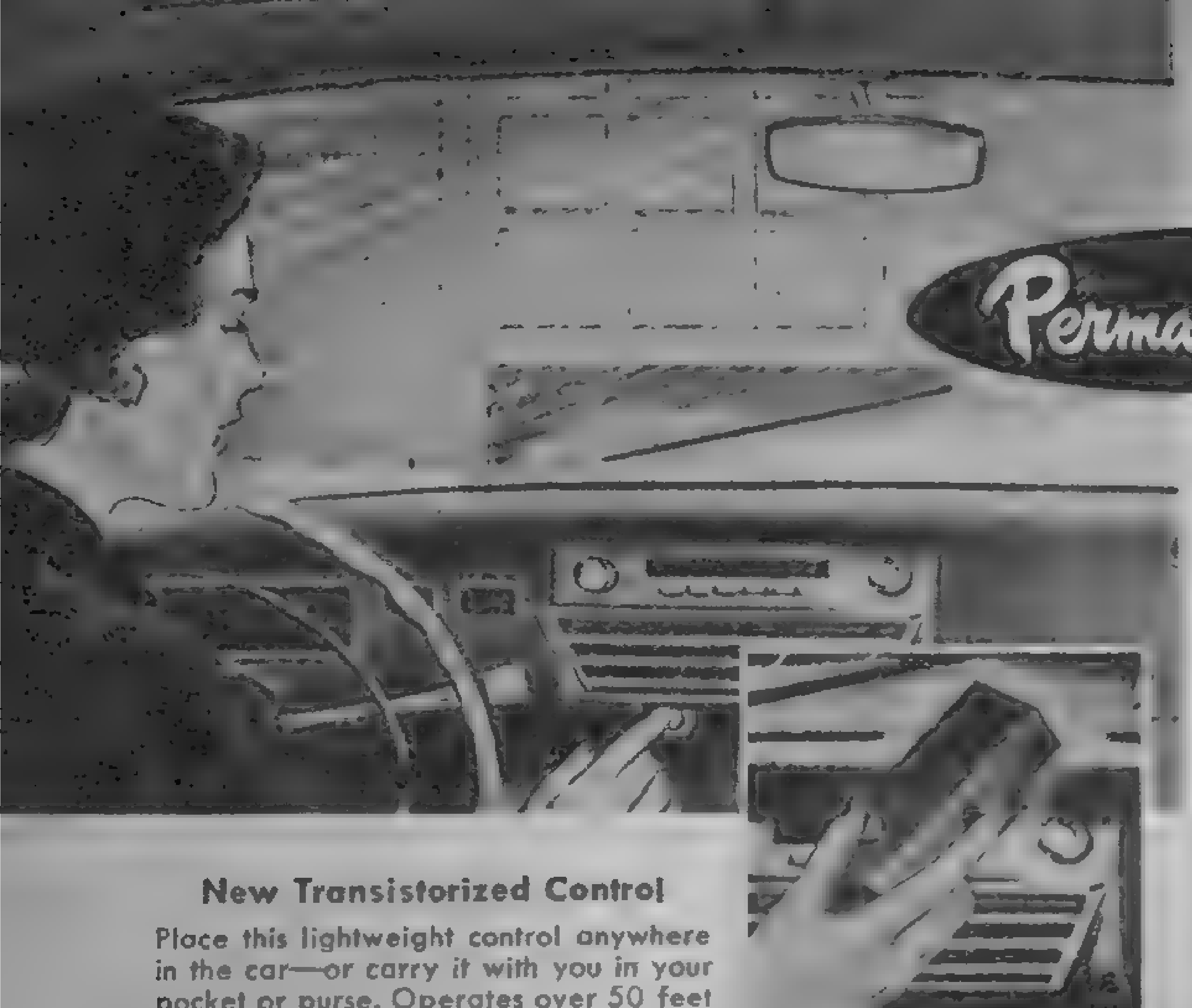
"CLASS D CITIZENS RADIO"

By Leo G. Sands. A book covering all aspects of commercial Citizens Radio. 72 illus. 181 pages. 9¼x6".
39 K 281. Postpaid in U.S.A........... . . . .**4.95**

JOHNSON NOISE-SUPPRESSOR KIT

MODEL 250-801. Filters ignition and electrical interference for improved Citizens mobile operation. For any make of car. Includes: 4 coaxial capacitors, 8 spark-plug suppressors; 1 distributor suppressor; 1 VR suppressor; cable and braid; all hardware. Shpg. wt., 2 lbs.
99 S 906. NET **13.50**

CITIZENS RADIO BOOK



New Transistorized Control

Place this lightweight control anywhere in the car—or carry it with you in your pocket or purse. Operates over 50 feet from the garage door.

Perma-Power

ELECTRONIC GARAGE DOOR OPENER

Transistorized or Standard Remote Control

NET
$139.90
$5.00 Down

- Simple Push-Button Operation
- Handy Time-Delay Light Shutoff
- Fully Automatic Safety Devices
- Installed Without Special Tools

Just touch a button—your garage door opens and the light goes on! Press button again, or use the wall-mounted pushbutton, to close and lock the door securely—light remains on for several minutes after the door is closed. Power shuts off automatically if obstruction blocks path of door travel. Door can be operated manually in event of power failure.

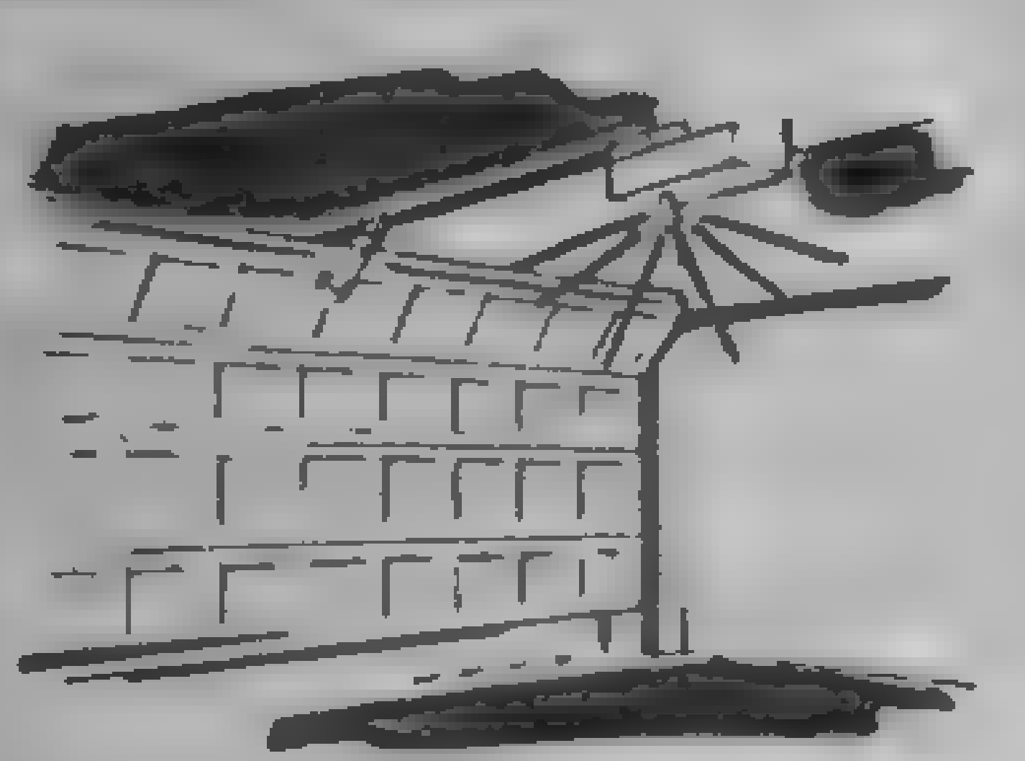
Choice of two transmitters—an extremely compact transistorized unit, or a small, standard, under-the-hood transmitter with dashboard pushbutton. Transistor transmitter is self-contained, portable and lightweight—you can carry it with you, store it in the glove compartment, or snap it onto the sun-visor. Dashboard-controlled unit operates on 6 or 12 v. DC. Transmitters are crystal-controlled on FCC-authorized frequency of 27.255 mc.

Easily installed system fits overhead, residential garage doors up to 18 ft. wide and 8 ft. high using a horizontal or curved roller track. Requires only 2¼" clearance between high-arc of door and ceiling. Opening mechanism and receiver operate from 110-120 v., 50-60 cycle AC. Includes motor mechanism, transmitter, receiver, antennas, manual pushbutton, wire, hardware, and instructions.

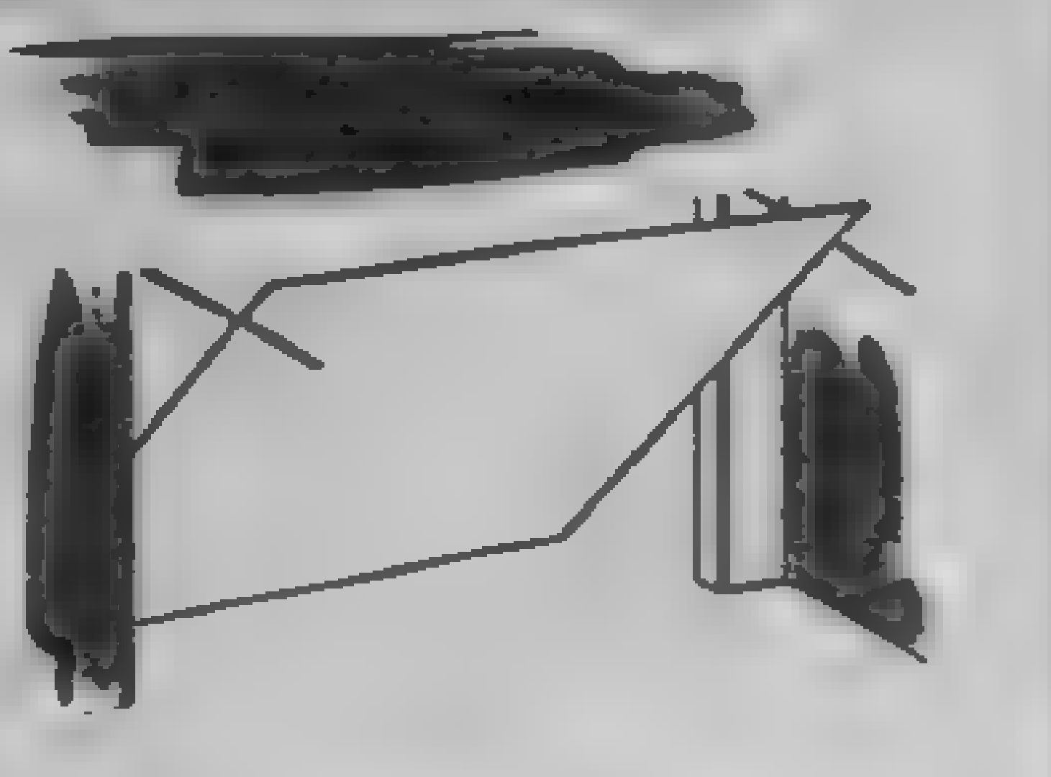
G-520 SYSTEM. With transistor transmitter. 89 lbs.
77 SU 761. List, $199.95. *Only $5.00 Down.* NET........139.90

G-500 SYSTEM. With standard transmitter. 95 lbs.
77 SZ 290. List, $199.95. *Only $5.00 Down.* NET........139.90

77 S 291. Key Switch. With 2 keys. Shpg. wt., 9 oz. NET.....4.20



Overhead light stays on several minutes after door locks.



¼-hp mechanism operates all residential overhead doors.

TRANSISTOR UNITS

G-325 EXTRA TRANSMITTER. For 2-car families. Permits operation of system from either car. With self-contained antenna and clip for mounting on sun-visor. Shpg. wt., 12 oz.
77 SX 762. List, $34.50. *Only $2.00 Down.* NET.........24.50

G-520 ALTERNATE SYSTEM. Same as G-520 system above, but operates on another channel. Use if a neighbor already has a radio-controlled opener. Shpg. wt., 89 lbs.
77 SU 763. List, $199.95. *Only $5.00 Down.* NET........139.90

G-325 ALTERNATE EXTRA TRANSMITTER. Same as the G-325 above, but for use with the G-520 alternate system. Shpg. wt., 12 oz.
77 SX 764. List, $34.50. *Only $2.00 Down.* NET.........24.50

STANDARD UNITS

G-315 EXTRA TRANSMITTER. Permits operation of door-opening system from a second car. Includes antenna, hardware, installation instructions, etc. Shpg. wt., 7 lbs.
77 SX 272. List, $34.50. *Only $2.00 Down.* NET.........24.50

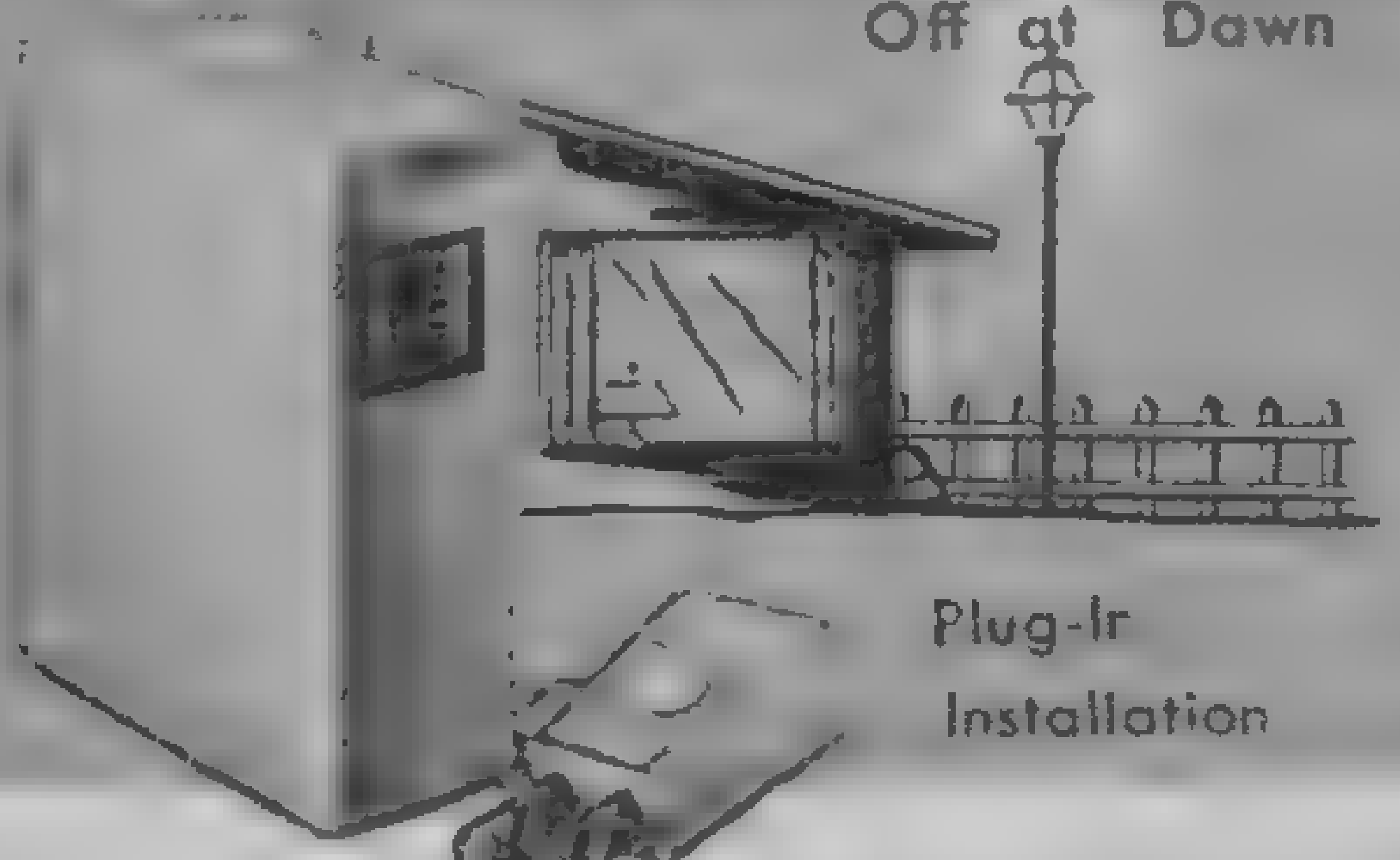
G-500 ALTERNATE SYSTEM. Same as G-500 system above, but operates on another channel. Use if neighbor has radio-controlled door opener. Shpg. wt., 95 lbs.
77 SZ 295. List, $199.95. *Only $5.00 Down.* NET........139.90

G-315 ALTERNATE EXTRA TRANSMITTER. Same as G-315 above, but for use with the G-500 alternate system. Shpg. wt., 7 lbs.
77 SX 296. List, $34.50. *Only $2.00 Down.* NET.........24.50

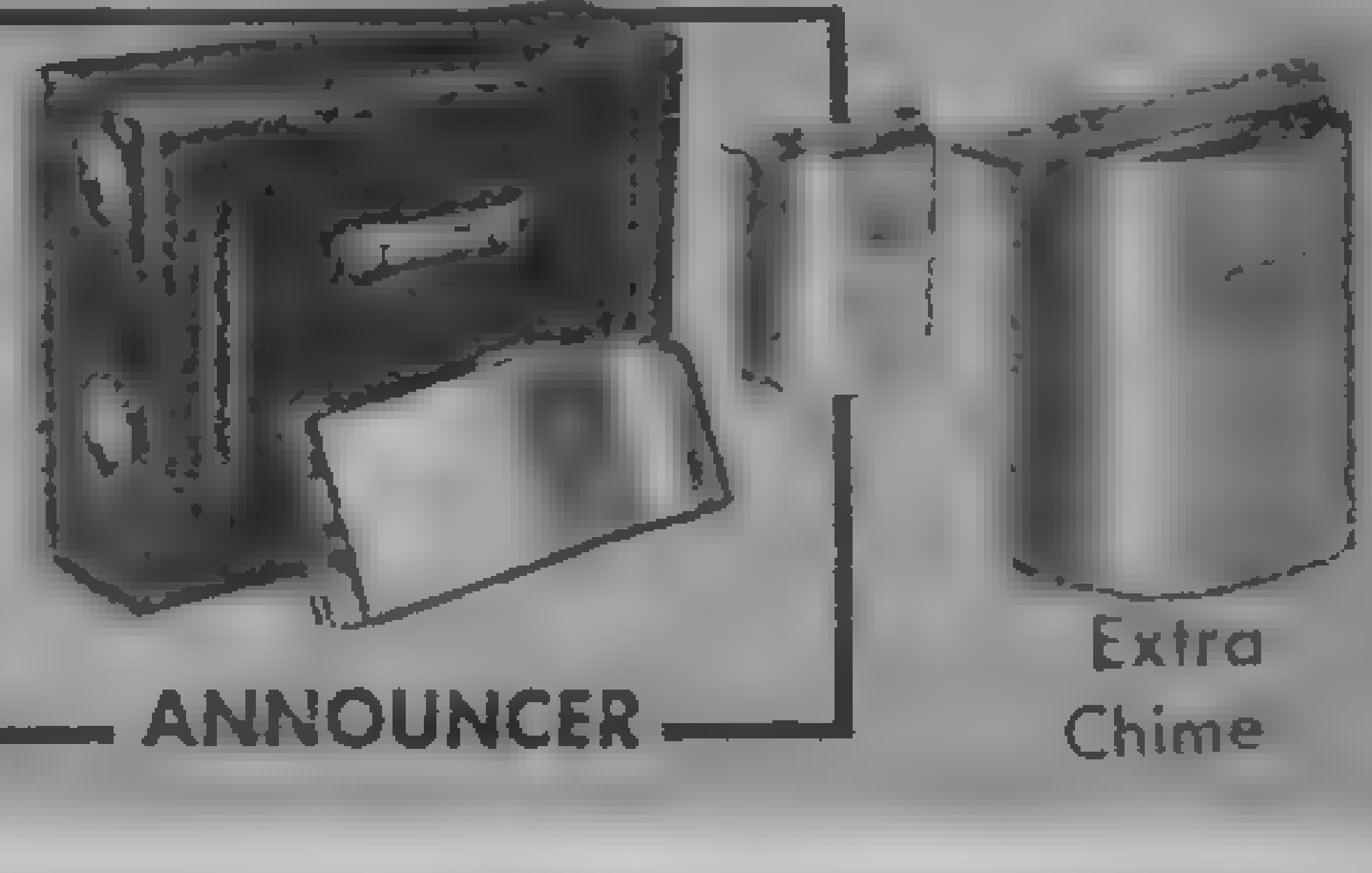
Photoelectric Controls For Home and Auto

Automatically Turns Lights On at Night; Off at Dawn

Dims—Then Restores High Beam Promptly



Plug-In Installation



ANNOUNCER

Extra Chime

'HI-WAY-I' HEADLIGHT DIMMER

Automatic headlight beam changer for automobiles. Eases the strain of night driving by automatically dimming headlights—even actuated by taillights of cars ahead as well as headlights of oncoming cars. Restores high beam within ½ second after lights are passed—affording a new measure of visability and safety. Promotes courteous response from other drivers. Unaffected by street lights. Can be overridden by foot switch whenever it is desired. Convenient sensitivity control on rear of dash-mounted scanner. Clear installation instructions. For 12 v., negative-grounded electrical systems. Shpg. wt., 3 lbs.
77 P 365. List, $49.50. NET......29 95

'PROTECT-O-LITE' PHOTOELECTRIC LIGHT CONTROL

Photoelectric light control which automatically turns on lights at night and then turns them off at daybreak. Presents low-cost protection by discouraging burglars, prowlers, or vandals during your absence. Also helps prevent accidents caused by entering an unlighted home. Delayed action feature prevents car lights or flashlights from turning off lights at night. Easily installed—place it facing outside natural light, plug unit into wall outlet, and plug lamp into unit. For loads up to 600 watts. Size, 3x2½x⅞". For 110-125 v., 50-60 cycle AC. Shpg. wt., 1 lb.
77 P 364. List, $14.95. NET.......8.99

WORNER 'FOTOLECTRIC' ANNOUNCER

MODEL 61. Chime announces people or vehicles when light beam is intercepted. Consists of "Fotolectric" unit, mirror and chime. Unit is designed for easy, quick installation. Projects beam across passage and receives reflected beam from mirror: may be placed 3 to 10 feet from mirror. Perfect for stores, service shops, etc. Size, 8¼x6½x2¾". For 110-120 volts, 50-60 cycle AC. Shpg. wt., 8 lbs.
77 P 028. *$2.00 Down.* NET......39.69

REPLACEMENT BULB. For use with Models 33, 61. Shpg. wt., 5 oz.
77 P 023. NET....................65c

EXTRA CHIME. 6-volt, for above, or any 6-volt AC source. Wt., 2 lbs.
77 P 035. NET....................4.70

Express Shipment Recommended for Photoelectric Equipment

American Bell & Cannon Headphones

C. F. CANNON HEADPHONES AND ACCESSORIES

BRANDES BS-2 "SUPERIOR" PHONES. A high-quality, ruggedly-built, 2000-ohm headset which has been a favorite for years. Outside terminal type; metal cases, bakelite caps. Diaphragm diameter is 2⅛". Has double coils, one in each receiver. Flexible metal headband. Easily adjustable for maximum comfort. 4½-foot cord. Shpg. wt., 1¼ lbs.

59 J 130. NET....................2.44

BRANDES "ADMIRAL" PHONES. Similar to above but with inside terminals.

59 J 135. BA-2. 2000 ohms. NET....2.44

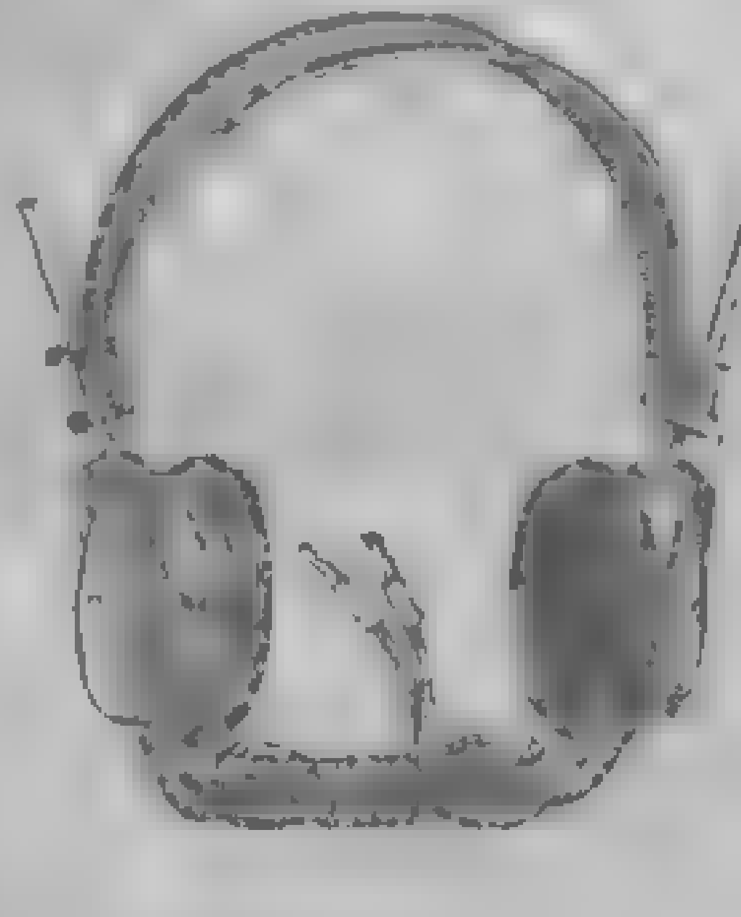
59 J 136. BA-3. 3000 ohms. NET.....2.73

59 J 137. BA-5. 5000 ohms. NET.....3.53

REPLACEMENT CAPS AND DIAPHRAGMS. For "Superior" and "Admiral" phones, above.

59 J 138. Caps. Wt., 2 oz. EACH......21c

59 J 140. Diaphragms. 2 oz. Pkg. of 2.13c



CANNON-BALL "MASTER" PHONES. High-quality headset for communications and general-purpose applications. Cases are metal, with bakelite caps. Terminals are inside of case for maximum safety from tampering. Chrome steel magnets produce strong field, and resist corrosion. With cord. Wt., 1¼ lbs.

59 J 215. MC-2. 2000 ohms. NET....2.44

59 J 125. MC-3. 3000 ohms. NET . .2.65

59 J 126. MC-5. 5000 ohms. NET.....3.38

CANNON-BALL CC-2 "CHIEF" PHONES. Sensitive and practical headset for all general use. Inside terminal connections. 2¹⁄₁₆" diaphragms; bakelite case and cap. Vinyl plastic covered headband. 2000 ohms. With 4½-ft. cord. Shpg. wt., 1¼ lbs.

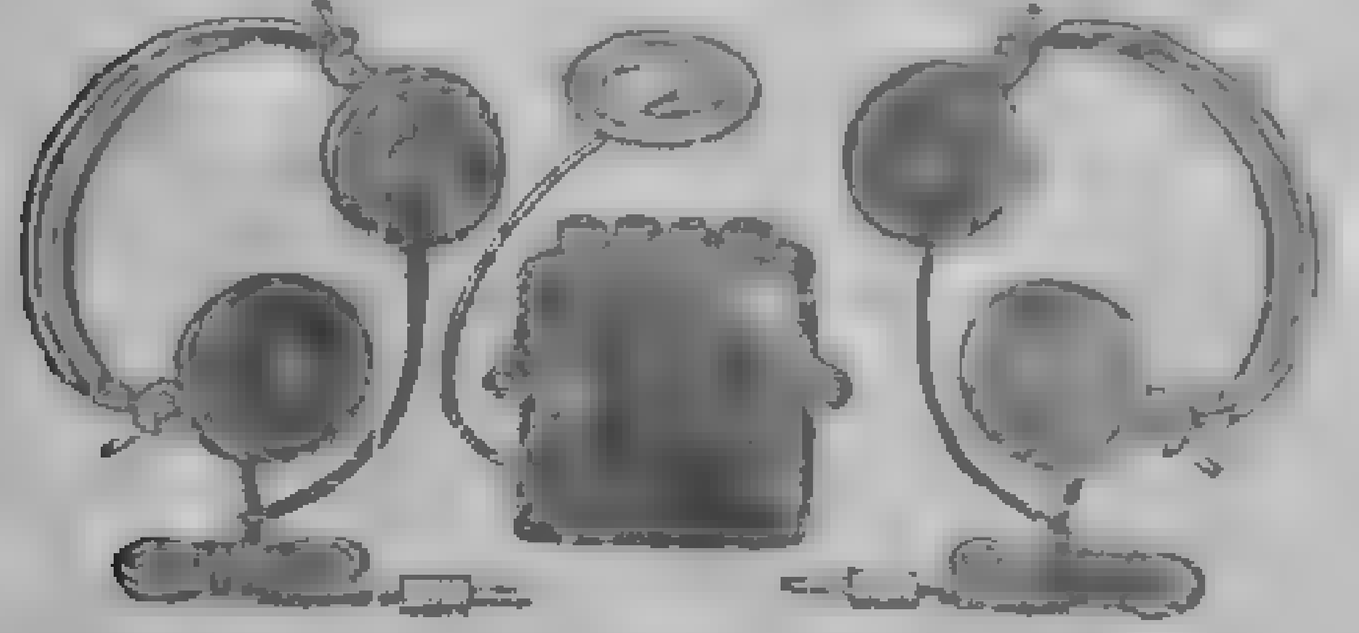
59 J 172. NET 2.35

REPLACEMENT CAPS AND DIAPHRAGMS. For "Master" and "Chief" phones, above.

59 J 127. Caps. Wt., 2 oz. EACH.....21c

59 J 129. Diaphragms. 2 oz. Pkg. of 2.13c

CANNON TV HEADPHONE KIT



High-quality listening device to aid hard-of-hearing, or provide private, "silent" listening when others might be disturbed by loudspeaker operation. Volume control and Speaker-Phones switch on control box. Supplied with 15-ft. cord, and two pairs of headphones. Shpg. wt., 3 lbs.

59 J 175. NET....................8.82

SINGLE HEADSET KIT. Same kit as above, but with only one pair of phones. 2 lbs.

59 J 176. NET.....................6.61

CONTROL BOX ONLY. Shpg. wt., 9 oz.

59 J 177. NET... ....4.41

11-OHM DUAL HEADSET. Shpg. wt., 1¼ lbs.

59 J 173. NET.....................2.23

ALLIED'S OWN AMERICAN BELL HEADPHONES

Have adjustable headbands, Hyflux Alnico magnets, internal terminal connections. Cap and case are molded bakelite. All headphones with 4½-ft. cord of cotton-covered tinsel, standard phone tip terminals. Choice of single or dual types; low-impedance models may be inserted directly at loudspeaker tap.

INSTITUTIONAL DUAL HEADPHONES

(Not illus.) Designed for schools, hospitals and other institutions where dependable, lightweight headphones are needed. Every feature for institutional use has been incorporated: Durable bakelite cases and caps which are easily cleaned; inside terminal connections, to prevent tampering; diaphragm is 1⅞" in diameter; Hyflux Alnico permanent magnets assure excellent sensitivity. Provide crisp, clear reproduction of voice and music. 4½-ft. braided cord. Comfortable, vinyl-plastic headband is easily adjustable. Shpg. wt., 1¼ lbs.

59 J 100. 2000 Ohms. NET 2.12

59 J 101. 3000 Ohms. NET 2.20

HEADPHONE REPLACEMENT PARTS

Replacement parts for the American Bell headphones listed on this page.

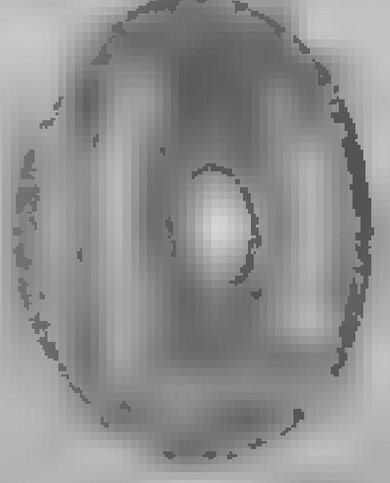
Stock No.	Description	Wt., Oz.	EACH NET
59 J 104	Diaphragm, Pkg. of 2	2	13¢
59 J 106	Bakelite cap	2	13¢
59 J 174	Headband with yokes	9	63¢

HEADPHONE CORDS

Copper inner conductor covered with woven cotton braid. All cords have 2 phone tips at one end; *refers to terminals at opposite end of cord. Shpg. wt., 2 oz.

Stock No.	*Terminals	For Use With	NET EACH
4½ Ft. Double Cords			
59 J 220	Eyelet type. For inside terminals	59 J 100,-101,-110,-111,-125,-126,-172,-135,-136,-137,-215	50c
59 J 205	Eyelet type	59 J 130	
59 J 206	Has phone tips on both ends	Govt. and military types	50c
59 J 002	Small blunt tips	59 J 070	
5 Ft. Double Cords			
59 J 006	Large blunt tips	59 J 020,-021	54c
59 J 181	Eyelet type	59 J 151,-158,-163	
6 Ft. Double Cords			
59 J 004	Eyelet type	59 J 000,-001	58c
59 J 007	Large blunt tips	59 J 040	
8 Ft. Double Cords			
59 J 221	Eyelet type	Same as type 59 J 220 above	74c
59 J 218	Eyelet type	59 J 130	
59 J 219	Has phone tips on both ends	Govt. and Military type	
Single Cords			
59 J 200	4 ft. cord with eyelet type	59 J 112,-113	33¢
59 J 182	6 ft cord with eyelet type	59 J 157	50¢

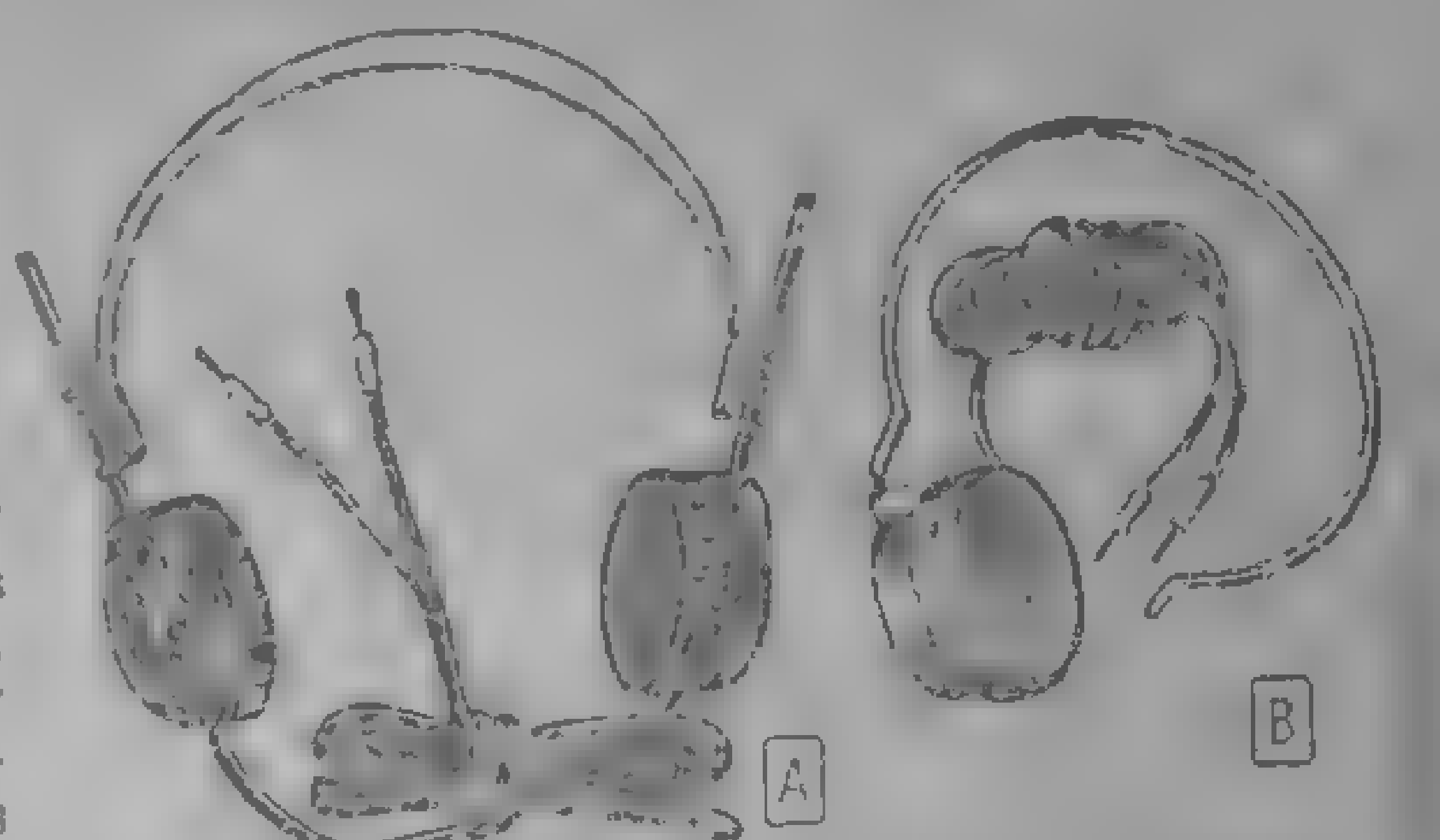
RUBBER PHONE CUSHION



Molded rubber ear cushions slip over phones. Provide maximum wearing comfort. Wt., 6 oz.

59 J 168. NET, PAIR. .64c

10 or More Pairs, PER PAIR...... ......58c



STANDARD DUAL HEADPHONES

A Have double headband with firmly gripping, easily adjustable yokes. 1⅞" diaphragm. Cords are cotton-covered tinsel. Shpg. wt., 1¼ lbs.

59 J 110. 2000 Ohms. NET.........2.00

59 J 111. 3000 Ohms. NET..........2.08

59 J 149. 4000 Ohms. NET..........2.15

59 J 141. 11 Ohms. NET............2.00

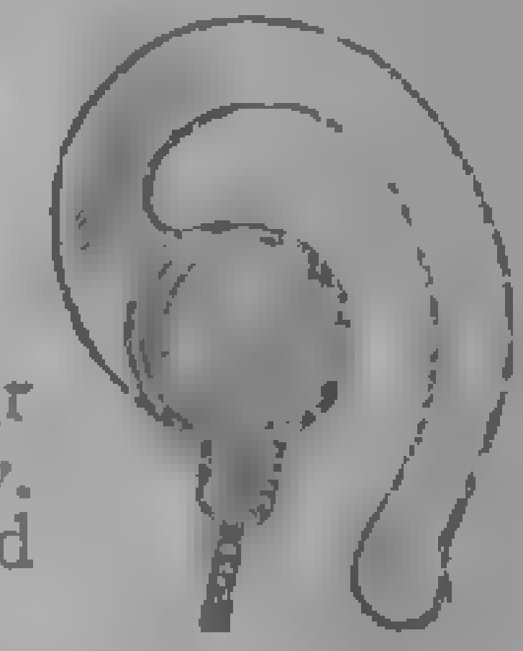
SINGLE HEADPHONES

B Dependable, economy-priced single phones. Suitable for hard-of-hearing installations, receivers, crystal sets, Geiger counters, etc. Diaphragm is 1⅞" in diameter. Has spring-metal headband which is permanently attached to back of case. Equipped with 4½-ft. cotton covered cord. Shpg. wt., 8 oz.

59 J 112. 1000 Ohms. NET..........1.08

59 J 113. 1500 Ohms. NET..........1.15

AMERICAN BELL TRANSISTOR RADIO EARPIECES



Replace earpieces in popular transistor radios listed below. Complete with 3-ft. cord and plug. Shpg. wt., 5 oz.

Stock No.	For Use With
59 J 198	Motorola, RCA, Philco, Zenith, Magnavox, Sonora, Sylvania, Spartan, Airline, Regency, Admiral, Roland, Gambles, Travler, Western Auto, Arvin, Emerson, and most Japanese imports.
59 J 109	Westinghouse, Packard-Bell, Hoffman, Solar
59 J 145	All General Electric models

NET EACH..........................1.75

SEPARATE EARPIECE

Receiver and comfortable earpiece. Equipped with cord but less plug. Impedance, 8000 ohms. Shpg. wt., 4 oz.

59 J 119. NET...................2.42

EARPIECES FOR TV

For private listening with any TV set. Gives crisp, clear reproduction. May be worn for hours without fatigue. Alligator clips connect to voice coil terminals on speaker. Shpg. wt., 8 oz.

59 J 192. NET...................3.75

EARPIECES WITH PHONE PLUGS

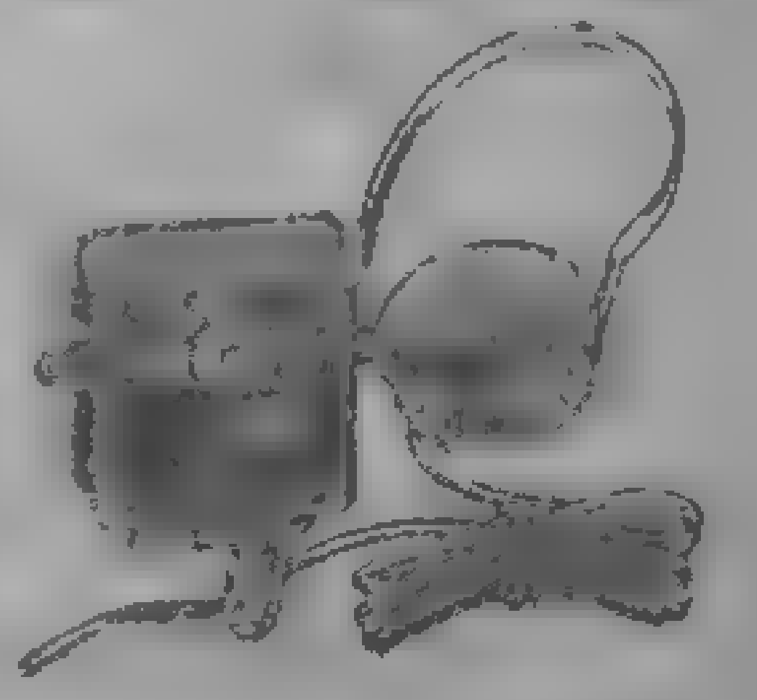
For communications use, short wave listening, code practice or class use. With standard phone plug attached. Also for use with stereo and monophonic earpiece bands above. 5-ft. cord included. Shpg. wt., 5 oz.

59 J 166. 15 ohms **59 J 134.** 2000 ohms

59 J 124. 120 ohms **59 J 167.** 8000 ohms

NET EACH..........................2.76

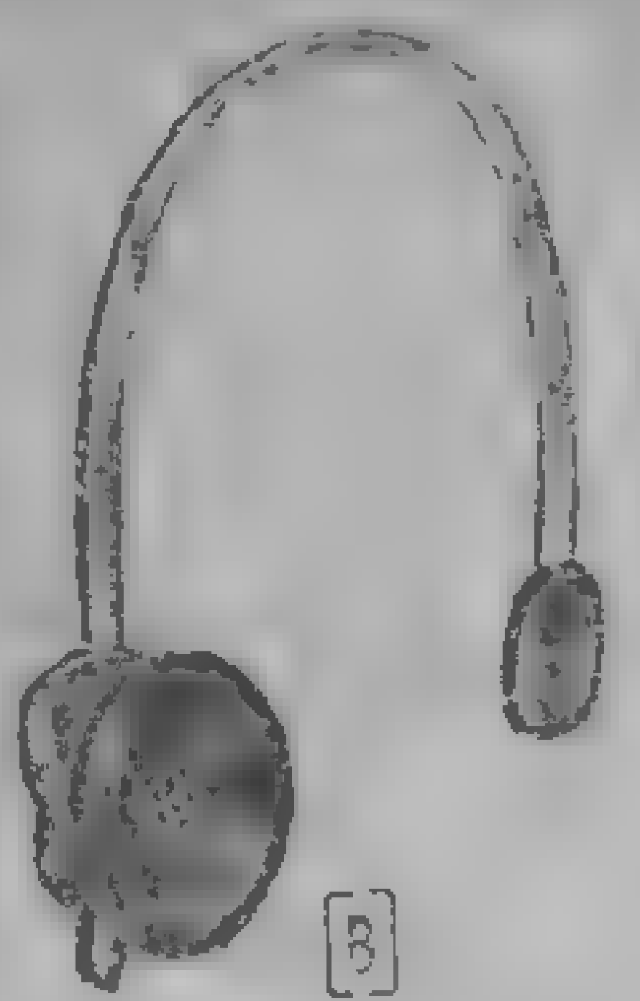
CANNON-BALL RADIO HEARING AID

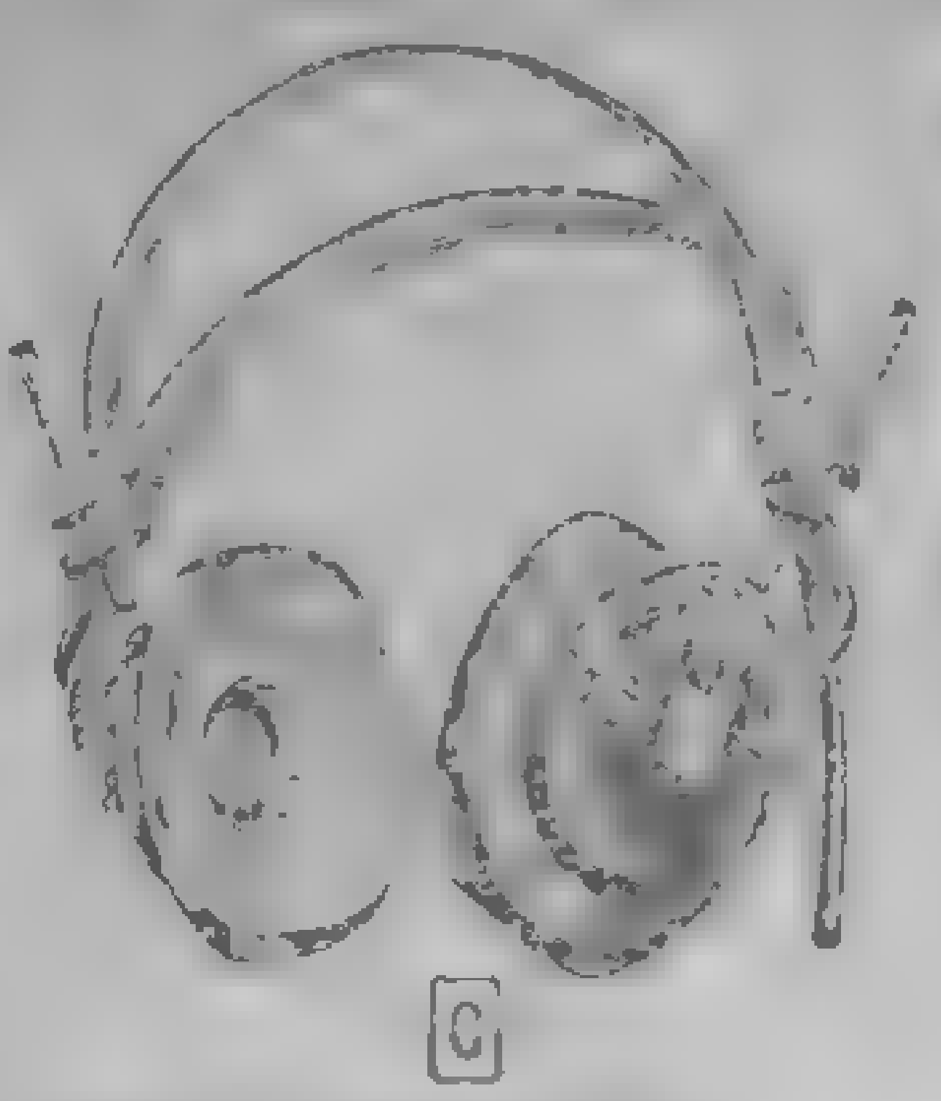


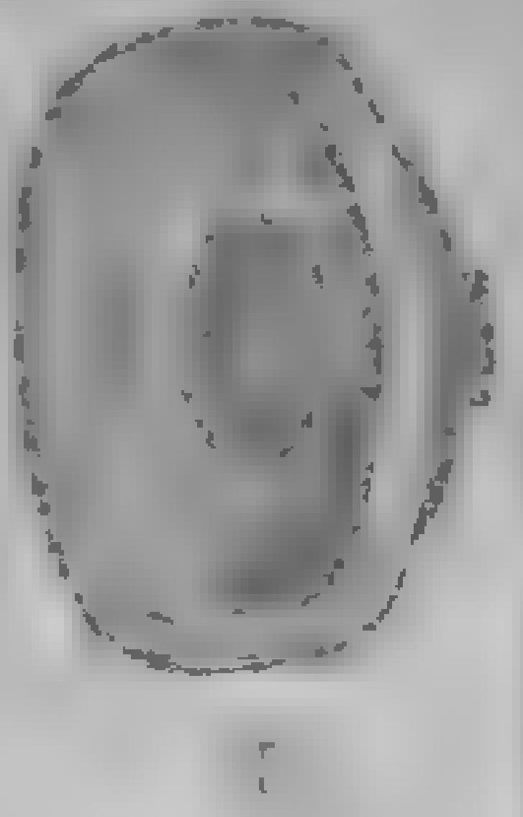
Popular, low priced hearing aid for any radio or TV set. Specially-constructed [illegible] headphone mates the output of radio or TV [illegible] listening with speaker only, headphone only, or both speaker and headphone simultaneously. Complete with control box, connecting cables for attachment to speaker and attachment of headphone to control box, instructions and diagram. Shpg. wt., 1 lb.

59 J 118. NET...3.38

Headphones and Accessories





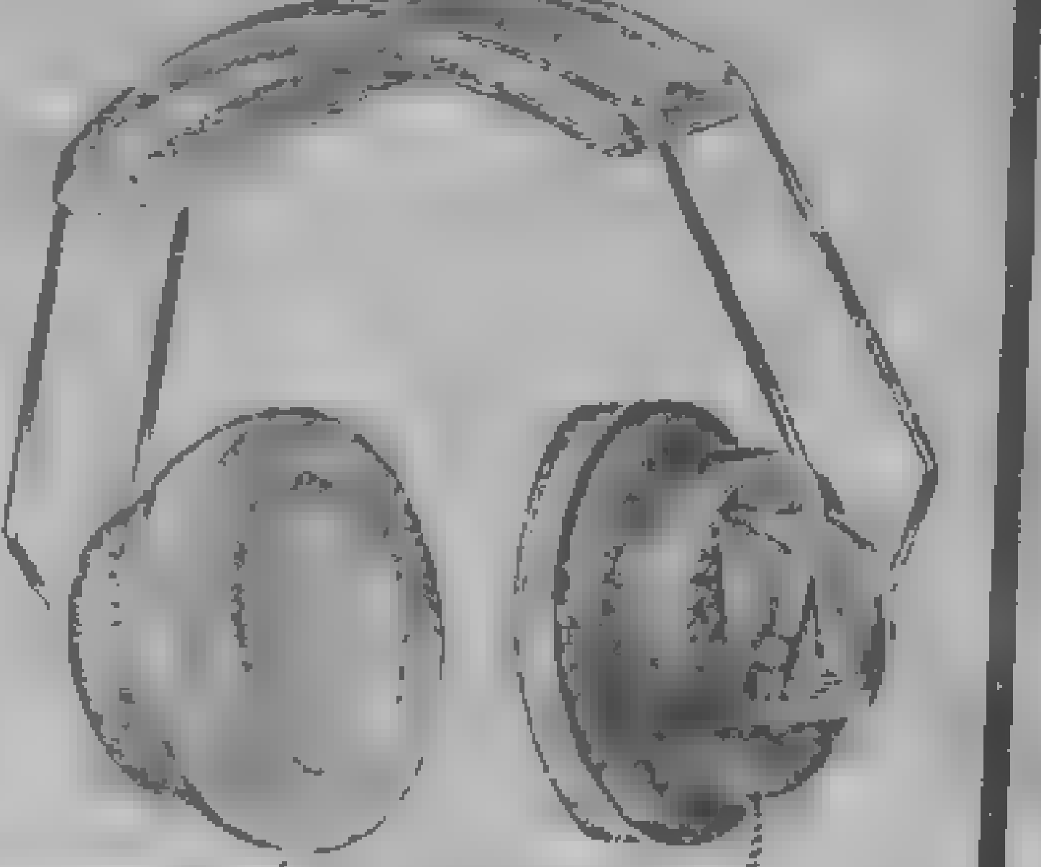


Thrilling Stereo Realism

KOSS SP-3
STEREOPHONE
HEADSET

ONLY 24^{45}

$2 down



CLEVITE "BRUSH" HEADPHONES

A **BA-200 Headphones.** Very sensitive headphones with high impedance (45,000 ohms at 1000 cps.). Frequency response, 100 to 5000 cps. Cone type diaphragm. Molded plastic case shaped for maximum comfort. Require small DC blocking capacitor for DC circuits. With 5-ft. cord and headband. Shpg. wt., 2 lbs.
59 J 151. NET....................................14.70

B **BA-201 Headphone.** Similar to model BA-200 but, single headphone. 90,000 ohms (1000 cps). Shpg. wt., 1 lb.
59 J 156. NET....................................9.75

C **BA-220 Headphones.** Single-cord headphones with ear cushions for stereo or monophonic listening. Response, 50-10,000 cps. Impedance, 50,000 ohms (at 1,000 cps). Shpg. wt., 2 lbs.
59 J 052. NET....................................29.35

D **BA-215 Ear Cushions.** Foam rubber cushions that fit most headphones. Formed to fit the ear. Shpg. wt., 5 oz.
59 J 053. NET PER PAIR....................................2.60

Hi-Fi Headsets. Double headphone sets that feature uniform frequency response, low distortion and excellent bass response. Impedance indicated is at 1000 cps. *For stereo use. 2 lbs.

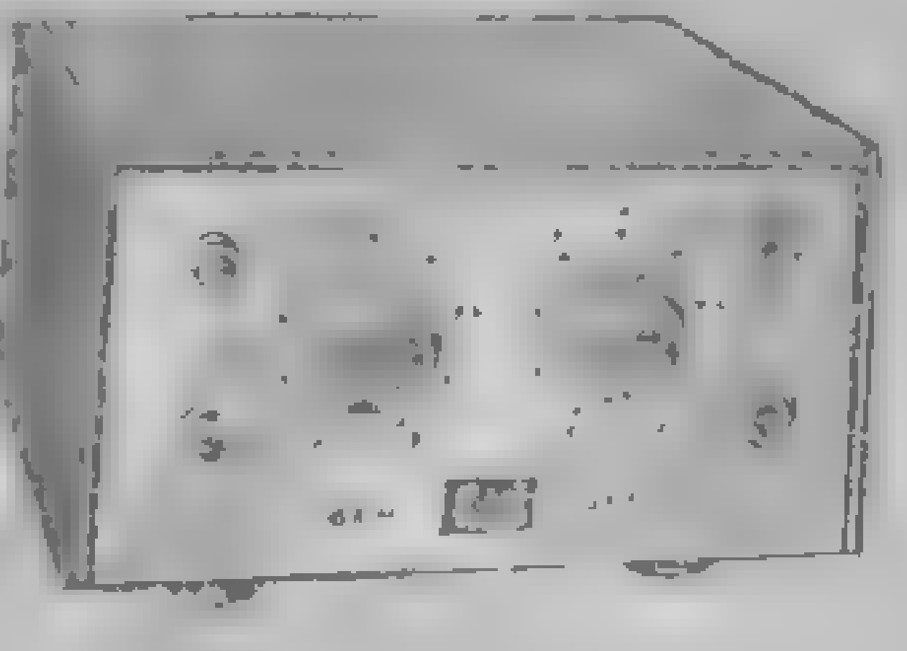
Stock No.	Type	Impedance	Response	NET
59 J 158	BA-205	100,000 ohms	50-8000 cps	22.05
59 J 153	*BA-205B	200,000 ohms	50-8000 cps	23.37
59 J 163	BA-206	50,000 ohms	50-10,000 cps	24.25
59 J 154	*BA-206B	100,000 ohms	50-10,000 cps	25.63

KOSS STEREO HEADSET EQUIPMENT

E **Model SP-3 Headset.** Thrill to concert-hall realism of stereo without disturbing others—and without annoying outside noises, with this comfortable headset. 3½" dynamic reproducers in each earphone give smooth response from 30-15,000 cps. Impedance, 4 ohms. With 8' cord and T-2 stereophone jack for connecting to amplifier. Shpg. wt., 2 lbs.
59 J 178. *Only $2 Down.* NET....................................24.45

T-1 Hook-Up Box. Contains matching transformers for monitoring 600 to 10,000 ohm outputs of tape recorders, tuners, preamps, etc. Two jacks for Stereophones. Size, 2¾x2x4". Shpg. wt., 8 oz.
59 J 189. NET....................................6.81

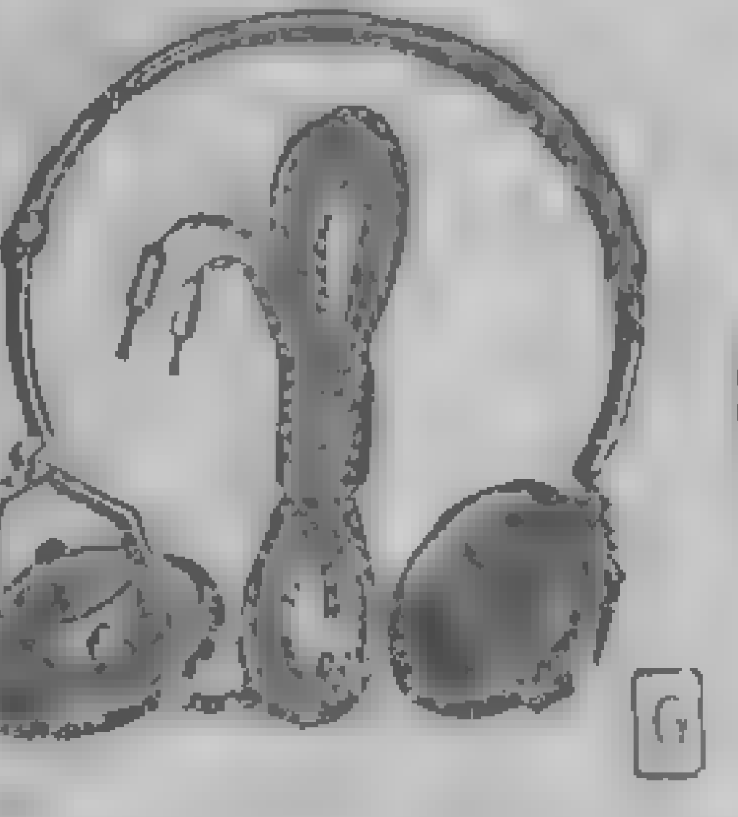
T-5 Junction Box. For connecting Stereophones to existing stereo systems. Has two output jacks. Has volume control and speaker On-Off switch. Impedance 4 to 16 ohms. 2¾x2x4". Wt., 8 oz.
59 J 188. NET....................................7.79

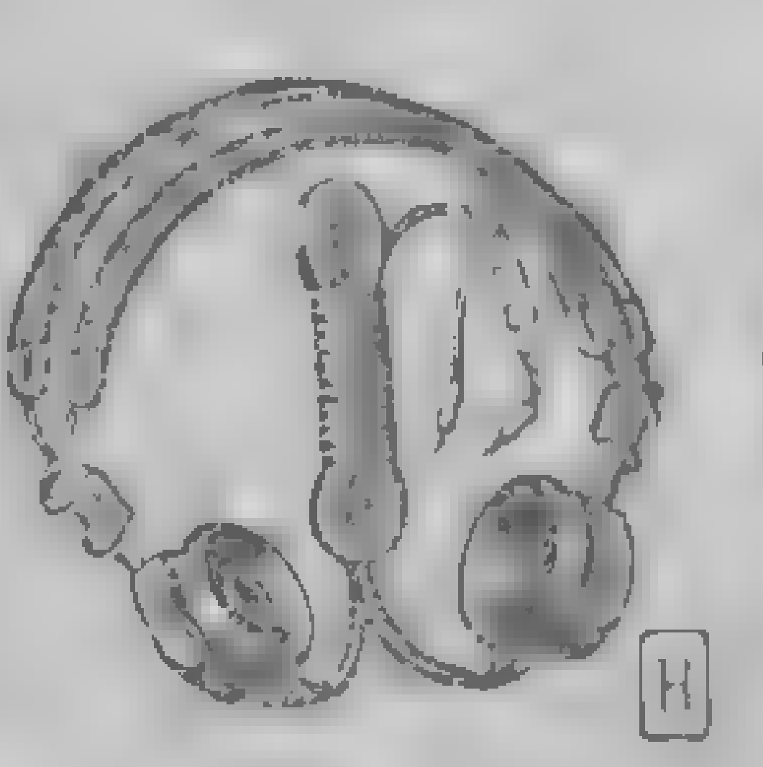


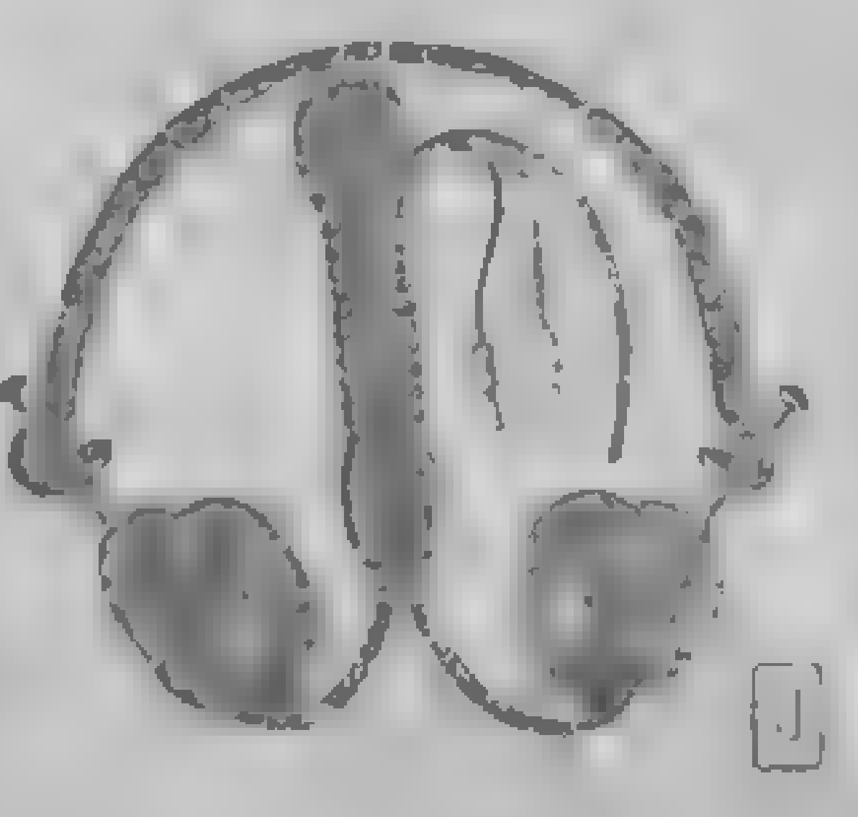
Model A1220 Amplifier. Specially engineered for use with above phones. Can be connected directly to stereo ceramic cartridge, recorder preamps, or tuner. Complete with two stereo jacks and two input jacks. Gain control for each channel. Three tubes plus rectifier. 3½x6½x4½". For 110-120 v., 60 cycle AC. 4 lbs.
59 J 196. *$2 Down.* NET......34.25

K-29 "Port-A-Pac". Consists of SP-3 and 1220 plus case. 8 lbs.
59 J 197. *Only $5 Down* NET....................................63.21

TRIMM HEADPHONES AND ACCESSORIES







F **"Military" Type.** Constructed to meet military headphone specifications. Impedance, 20,000 ohms; DC resistance, 2,000 ohms. Metal shell with bakelite cap. 6 ft. cord. Inside terminals. Rubber-covered headband. Shpg. wt., 1½ lbs.
59 J 040. NET....................................11.76

G **"Featherweight" Type.** Weigh less than 5 ounces. Black bakelite caps and shells. Forged magnets; pole pieces of permalloy. Impregnated coils. Supplied with flexible 6-ft. moisture-proof cord. Shpg. wt., 9 oz.
59 J 000. Standard. 4000 ohms.
59 J 001. Special. 24,000 ohms.
NET EACH....................................6.47

59 J 042. Diaphragms. For either of above headphones. Wt., 2 oz. EACH..15c

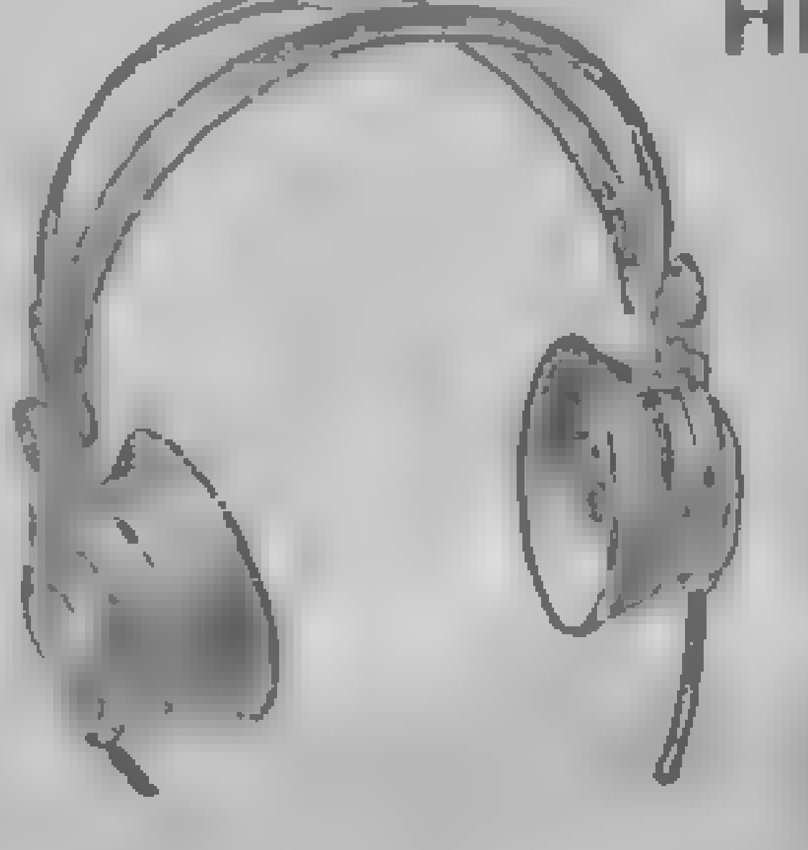
59 J 013. Replacement Caps. For "Featherweight" phones. 2 oz. EACH.47c

H **"Dependable" Type.** Magnetic headphones for general use. Bakelite caps and shells. Forged magnets of chrome steel, impregnated coils. 5-ft. cord. Inside terminals. Have plastic-covered headband. Shpg. wt., 1¼ lbs.
59 J 020. 3000 ohms. NET
59 J 021. 4000 ohms. EACH..........3.41
59 J 030. Replacement Caps. EACH....35c
59 J 031. Extra Diaphragms. EACH....12c

J **"Acme" Low-Cost Type Headphones.** Sensitive headphones designed for every use. 2000 ohm impedance. Sturdily constructed for dependable performance under all conditions. 4½-ft. cord. Shpg. wt., 8 oz.
59 J 070. NET....................................2.12

Extra Diaphragms. For above. 2 oz.
59 J 012. EACH....................................12c

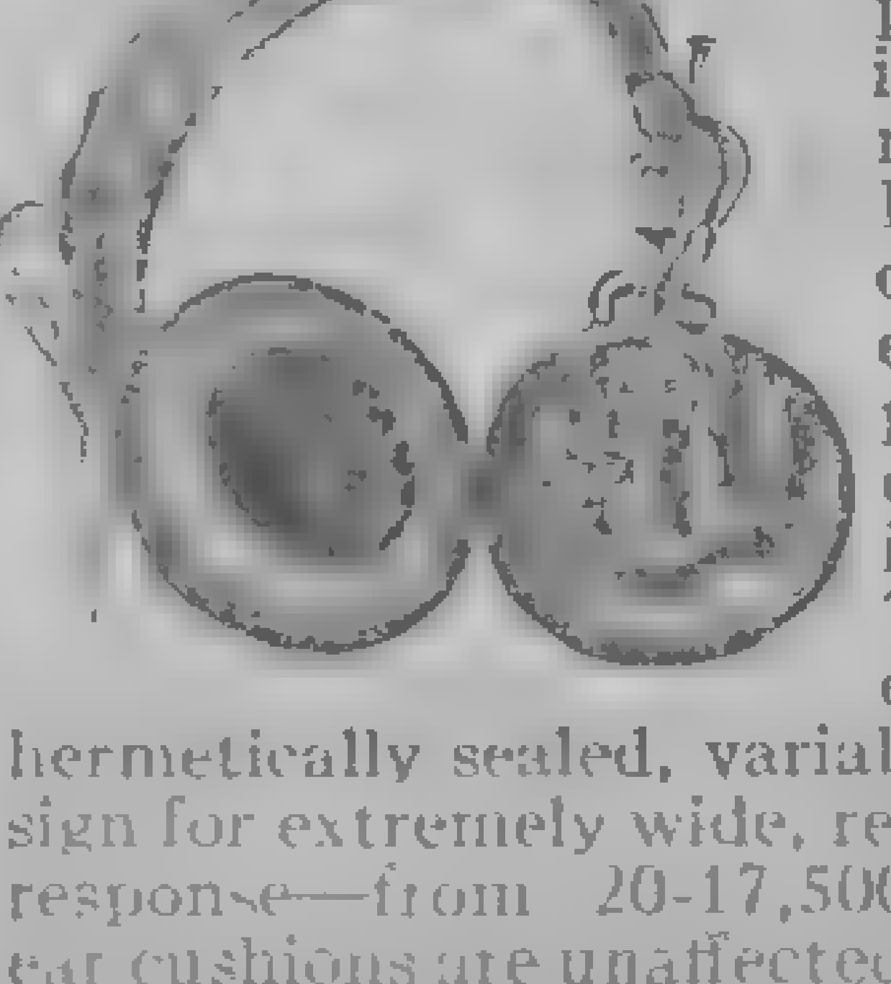
S. G. BROWN STEREO HEADPHONES



Professional-type, high-fidelity headphones. May be connected to any hi-fi system, radio, TV. Speakers in each headphone have a frequency response of 50-10,000 cps. Supplied with rubber ear cushions and 6½-ft. cord. Impedance, 52 ohms. Made in England. Shpg. wt., 1½ lbs.
59 J 337. *$2 Down.* NET.......28.95

600-Ohm Headphones. As above, but with impedance of 600 ohms. 1½ lbs.
59 J 338. NET....................................34.50

GENERAL PHONES CLC-B STEREO HEADSET



Latest model binaural headset perfect for listening to stereo hi-fi music systems. Preserves full 3-dimensional stereo effect and reproduces with outstanding clarity and realism. True concert-hall effect. Features hermetically sealed, variable reluctance design for extremely wide, remarkably smooth response—from 20-17,500 cps. Neoprene ear cushions are unaffected by dust, dirt and humidity. Match impedance of any stereo or monophonic high fidelity amplifier from 3.2 to 16 ohms. Comfortable and light in weight with rubber-covered, chrome-plated, self-locking headband. Supplied complete with 6-ft. nylon-covered 4-conductor cord. Shpg. wt., 1¼ lbs.
59 J 339. *$2 Down.* NET........29.40

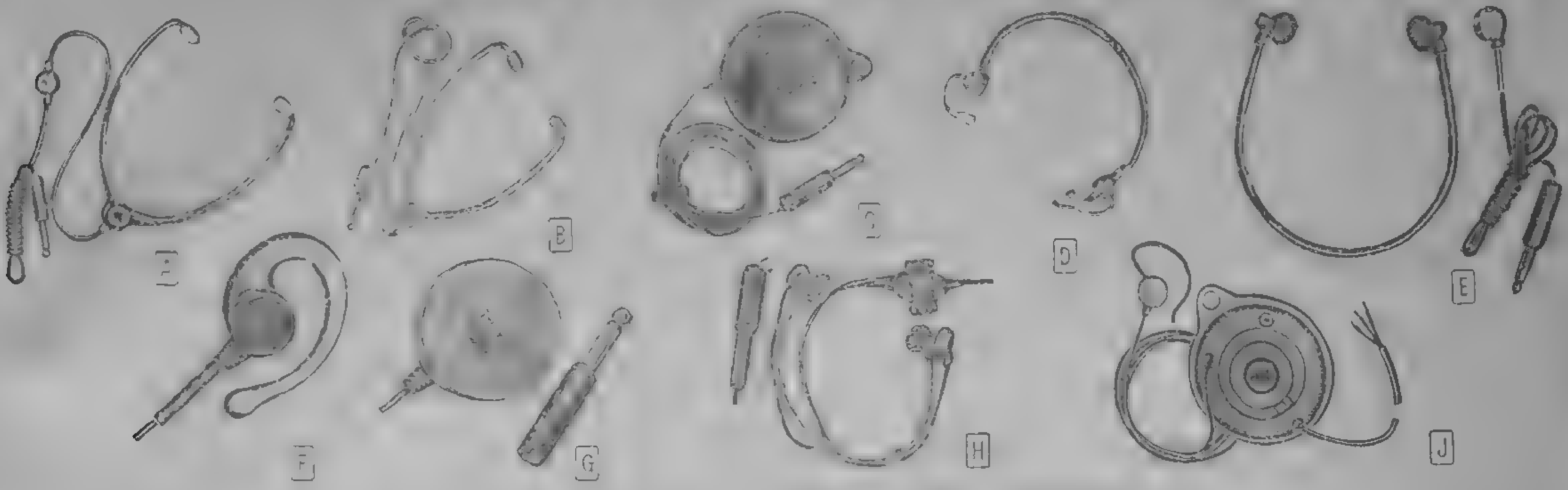
LORGNETTE TYPE EARPHONE

Hand-held type hearing aid. Same construction as "Featherweight" phones above. Excellent for use in churches, and small theaters. Earphone size, 2⅛" dia. x ¾" thick. Handle extends to 14". Impedance, 4500 ohms: DC resistance, 1000 ohms. Supplied with flexible, braided 6-ft. cord with phone tips. Shpg. wt., 10 oz.
59 J 036. NET..........5.35

INDIVIDUAL VOLUME CONTROL

Consists of phone jack and volume control mounted in compact box. Ideal for group hearing aid systems in theaters, churches, schools, etc. Resistance: 10,000 ohms. Size: 3¾x2⅛x1¼". Shpg. wt., 1 lb.
59 J 056. Brown wrinkle.
59 J 057. Ivory wrinkle.
NET EACH..........3.23

Telex and Fedtro Earphones, Accessories



FEATURE COMFORT, CLARITY AND DURABILITY

Famous, lightweight Telex headsets—used around the world on all types of audio gear requiring private, continuous listening. Ideal for communications work, offices, hospitals, Amateurs, hard-of-hearing, etc. Cords are listed for headsets supplied less cords.

METAL MONOSET

A Exceptionally comfortable, lightweight headphones, designed to eliminate fatigue and strain when headphones must be worn continuously for long periods. Total weight is only 1.2 ounces. Magnetic type receiver for crystal clear reproduction and rugged dependability. Light, metal housing with comfortable ear pieces. White plastic ear plugs remove for cleaning. Less cord, use 59 J 253 at right. Shpg. wt., 8 oz.

59 J 281. Model HMY-01. 2000 ohms.
59 J 280. Model HMV-01. 128 ohms.
List Each, $9.00. NET EACH.........**5.40**

WITH CORD. Monosets as above, with 5-foot cord and standard plug. Shpg. wt., 12 oz.

59 J 222. Model HMY-2. 2000 ohms.
59 J 223. Model HMV-2. 128 ohms.
List Each, $12.50. NET EACH........**7.50**

HI-FI DYNASET

B **Model HUP-01.** Under-the-chin dynamic headset of superior quality. Receiver consists of a tiny, ¾″-diameter 6-ohm loudspeaker built into the plug. Extremely sensitive; frequency response extends from 50 to 8000 cycles at 25 mw. Speaker diaphragm directs sound, through 60-inch flexible tubing, into headset. Attractive light gray finish. Shpg. wt., 6 oz.

59 J 239. List, $14.75. NET........**8.85**

DYNAMIC PILLOW SPEAKER

C **Model SDN-2.** An under-the-pillow loudspeaker with great power-handling ability; provides exceptionally clear, natural tone without any disturbance to others who may be sleeping nearby. Ideal for institutional use, or private listening at home to radio or TV set. 3.2 ohm voice coil matches most small radios and portable TV sets. With 5-foot cord and standard phone plug. 3¾″ dia. 1⅛″ thick. Wt., 6 oz.

59 J 276. List. $10.19. NET........**6.12**

MODEL SDM-2. As above, but 10,000 ohms.
59 J 277. List, $12.11. NET.........**7.26**

TWINSET

D An important innovation in headset design—nothing touches the ears with the Telex Twinset! Sensitive receivers rest lightly at the temples; tubular "pipes" send sound directly into ears; blocks out background noise. Perfect for long, fatigue-free listening; weighs only 1.6 ounces. *Approved by the Civil Aeronautics Authority for both airlines and private planes. Supplied with two extra eartips. Steel head band in Tenite plastic. Less cord, use 59 J 270 cord at right. Shpg. wt., 8 oz.

59 J 264. Model HTW-01*. 500 ohms.
59 J 286. Model HTL-01. 64 ohms.
List Each, $17.50. NET EACH.......**10.50**

WITH CORD. Twinsets as above, with 5-foot cord and standard plug. Shpg. wt., 12 oz.

59 J 289. Model HTW-2*. 500 ohms.
59 J 225. Model HTL-2. 64 ohms.
List Each, $21.00. NET EACH.......**12.60**

TELE-FI HEADSET

E New, lightweight headset is ideal for applications where clarity and intelligibility of speech are important. Unique design provides a delay of 1 millisecond between earpieces; resultant sound greatly enhances clarity of speech. Receiver may be detached from dual set and mounted on plastic ear bow in seconds, for one-ear use. Weighs only ½ ounce. With cord and plug. Shpg. wt., 6 oz.

59 J 214. Model HFR-91. 15 ohms.
59 J 257. Model HFV-91. 128 ohms.
59 J 258. Model HFX-91. 1000 ohms.
59 J 217. Model HFY-91. 2000 ohms.
List Each, $12.35. NET EACH.........**7.41**

MIDGET EARSET

F Extremely lightweight individual earsets—weigh only ½ ounce! Holder is scientifically contoured to fit the ear comfortably. Reproduces speech with great clarity and fidelity; frequency response is 50 to 4000 cycles. Available with metal ear bow also, for extreme ruggedness. 5′ cord with standard plug included. Shpg. wt., 6 oz.

Stock No.	Type	Description	Ohms
59 J 202	EPR-2	Plastic ear bow	15
59 J 203	EPV-2	Plastic ear bow	128
59 J 204	EPX-2	Plastic ear bow	1000
59 J 207	EPY-2	Plastic ear bow	2000
59 J 208	EMR-2	Metal ear bow	15
59 J 209	EMV-2	Metal ear bow	128
59 J 211	EMX-2	Metal ear bow	1000
59 J 212	EMY-2	Metal ear bow	2000

List Each, $9.00. NET EACH.........**5.40**

MAGNETIC PILLOW SPEAKER

G Exceptionally small; for radio and TV listening through a pillow without disturbing others. For home or institutional use. Red waterproof plastic. ⅝x2¼″ dia. Cord not included. Use 59 J 270 cord at right. Shpg. wt., 6 oz.

59 J 290. Model SMY-01. 2000 ohms.
59 J 291. Model SMV-01. 128 ohms.
List Each, $7.75. NET EACH..........**4.65**

WITH CORD. Pillow speakers as above, with 5-foot cord and plug. Shpg. wt., 10 oz.

59 J 226. Model SMY-2. 2000 ohms.
59 J 227. Model SMV-2. 128 ohms.
List Each. $11.25. NET EACH........**6.75**

TELE-TWIN STEREO HEADSET

H Provides genuine stereophonic listening. Offers high-quality, balanced stereo without the expense of two or more speaker systems. Connects in minutes to any stereo radio, tape deck, etc. *Dual volume controls. With 5-ft. cord, plug, in-line jack with color coded 18″ leads, instructions. Shpg. wt., 8 oz.

Stock No.	Type	Ohms	NET
59 J 340	HAV-13	128	13.50
59 J 341	HAY-13	2000	13.50
59 J 342	*HAV-73	128	23.40
59 J 343	*HAY-73	2000	23.40

USEFUL TV "LISTENER"

J **Model LCP-90.** Use wherever individual listening is desired—ideal for families with children, hard-of-hearing, etc. Can be used by 2 people at the same time. Has volume control for earset; switch on control unit turns TV speaker on or off. 3½x1″. Control unit is equipped with 15′ cord; earset, 4′ cord. Shpg. wt., 8 oz.

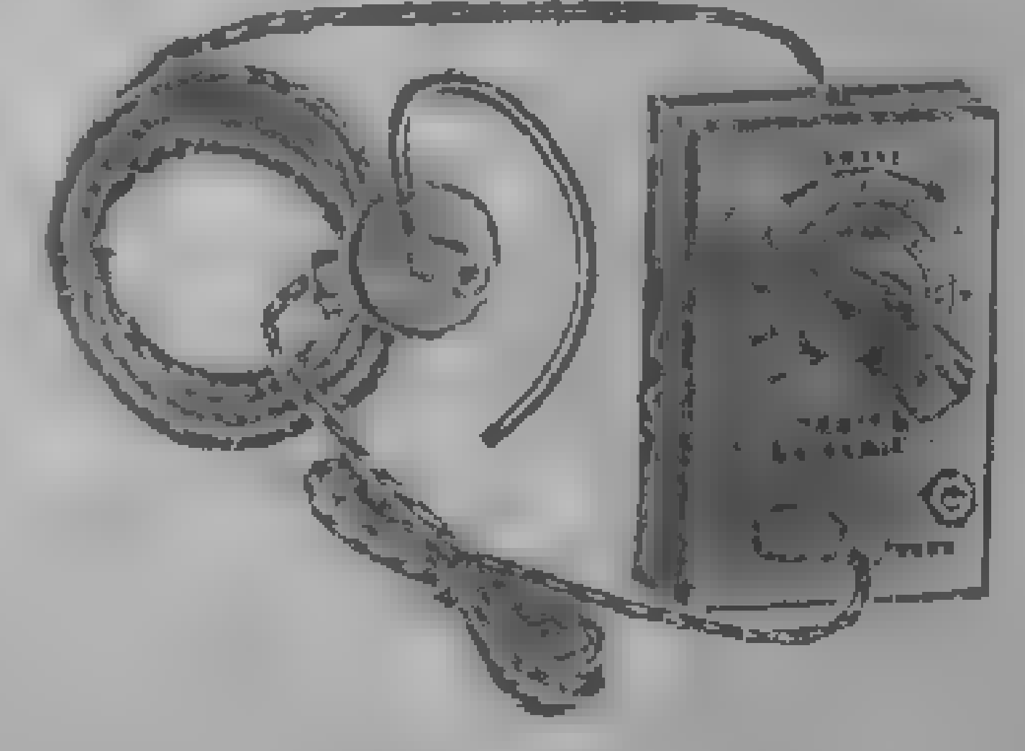
59 J 263. List, $16.25. NET........**9.75**

Model ELV-98. Extra earset, cord and plug. 3 oz.
59 J 292. .List, $7.50, NET **4.50**

CORDS, EXTRA TIPS AND ACCESSORIES

Stock No.	Description	For Use With	NET Each
59 J 270	Type CMM-2 cord w/std. ¼″ plug	59 J 286, 59 J 290, 59 J 291	2.10
59 J 253	Type CMT-2 cord w/std. ¼″ plug	All sets other than above.	2.10
59 J 246	Type VVM-2 cord, w/volume control	59 J 286, 59 J 291, 59 J 225, 59 J 227	7.35
59 J 245	Type VYM-2 cord w/volume control	59 J 226, 59 J 290	7.35
59 J 293	Type VVT-2 cord w/volume control	59 J 280	7.35
59 J 294	Type VYT-2 cord w/volume control	59 J 281	7.35
59 J 269	Type CMM-99 5-ft. extension cord	Twinset and mag. pillow speakers	2.10
59 J 297	Type AEF-1 Plastic earframe	All earsets	.48
59 J 242	Type JMP-01 Jack, closed circuit	59 J 243	.24
59 J 243	Type PM-01 Min. phone plug	59 J 242, 59J254	.36
59 J 254	Type JMP-02 Jack, open circuit	59 J 243	.24
59 J 295	Type ATT-1 White plastic eartips	All Boomsets & Twinsets	.09
59 J 296	Type AMT-2 Eartips	Metal Monosets and Dynasets	.09
59 J 252	Type CMM-92 cord w/90° 9/64″ plug.	Twinset and mag. pillow speakers	1.89

FEDTRO "PRIVATE-LEE" RADIO-TV EARPHONE SET



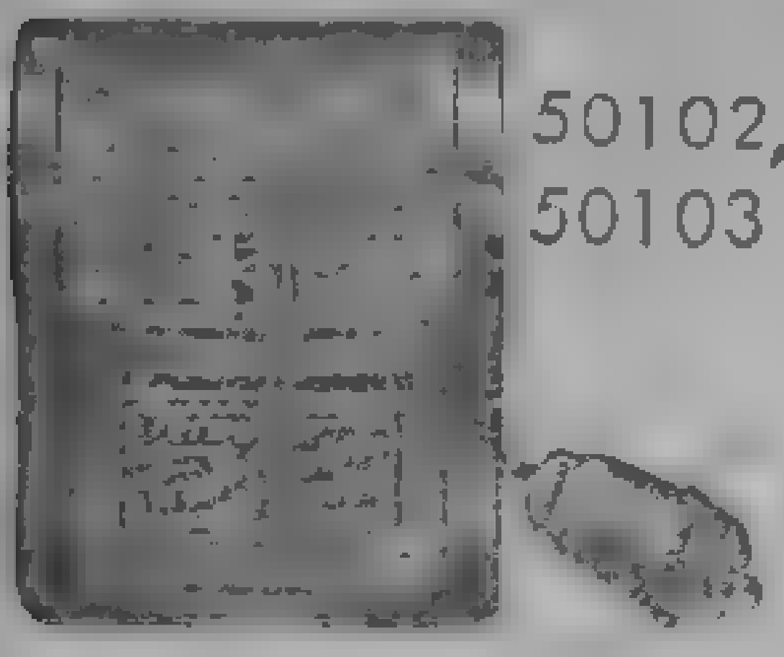
An excellent private-listening outfit, easily connected to any radio or TV. Permits listening without disturbing others; also a fine choice for use by the hard-of-hearing.

Consists of comfortable, lightweight earpiece, plus ivory-plastic control box with volume control and connecting 17-ft. cable.

Has two jacks for earpiece—one jack automatically mutes speaker for listening on earpiece only; other is used for sound from both the earpiece and speaker. 1 lb.

59 J 255. List, $12.95. NET.........**7.61**

Converters and Chargers



50102, 50103

TERADO CONVERTERS & CHARGERS

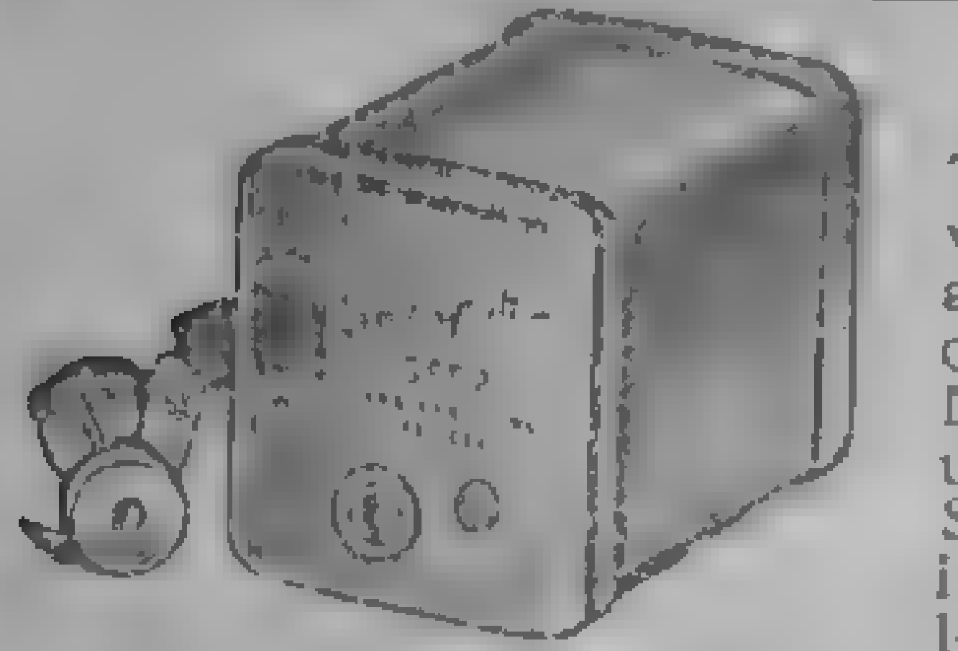
Converters. Convenient DC-to-AC converters for operating 110 v. AC devices from car batteries. Ideal for operating portable TV's, radios, tape recorders, soldering irons, lights, razors, etc. Converter plug fits auto cigarette-lighter socket, except †clip directly to battery terminals with clips provided; *has 20-ft. input cord and mtg. bracket. *Check equipment wattage requirements and battery voltage before selecting converter.* **Chargers.** 1½-amp Tiny Giant for autos and boats. With clips for direct connection to battery terminals; buzzer indicates improper connection. Copper-clad steel case. Pocket-size 5-amp charger is full-wave type with 2 miniature silicon rectifiers. Charges battery through lighter of car, boat or plane with plug supplied; charge indicator light shows battery condition. In steel case. 10-amp charger is similar to 5-amp model, except with ammeter.

CONVERTERS

Stock No.	Mfr's Type	Input DC Volts	Output V., 60 cycles	Watts Cont.	Watts Inter.	Size	Wt., Lbs.	NET
80 P 194	50102	6	110	10	15	2x3x4"	2	9.12
80 P 196	50103	12	110	15	20			9.12
80 P 272	50115	6	110	35	40	2½x2½x4½"	3¼	15.66
80 P 273	50116	12	110	40	50		3¼	15.66
80 P 270	50126	6	110	60	75	[illegible]	8	32.65
80 P 271	50127	12	110	75	100		8	32.65
81 P 043	50167	12	110	42	52	3x5½x2½"	3¼	17.62
81 PU 044	50175	12	110	150	175	10¾x6x6"	21	65.04
81 P 045	50179*	12	110	42	52	5½x3x2¼"	4	20.88
80 P 276	50137†	6	110	75	100	6x5x4"	9	45.73
80 P 277	50138†	12	110	100	125		9	45.73
80 P 197	50134	6 12	110	[illegible] 55	75 110	[illegible]	[illegible]	37.83
80 PU 193	50153*†	12	110	175	200	6x6x11"	24	72.87

CHARGERS

Stock No.	Mfr's Type	DC Output Volts	DC Output Amps	Input at 50-60 Cycle AC	Size	Wt., Lbs.	NET
81 P 400	50185	6/12	1½	110/120	2-⅛x3x5½"	2	7.07
81 P 046	50180	12	5	110/120	5½x3x2¼"	2½	13.69
81 P 047	50181	6/12	10	110/120	3⅛x5x7"	7½	27.40

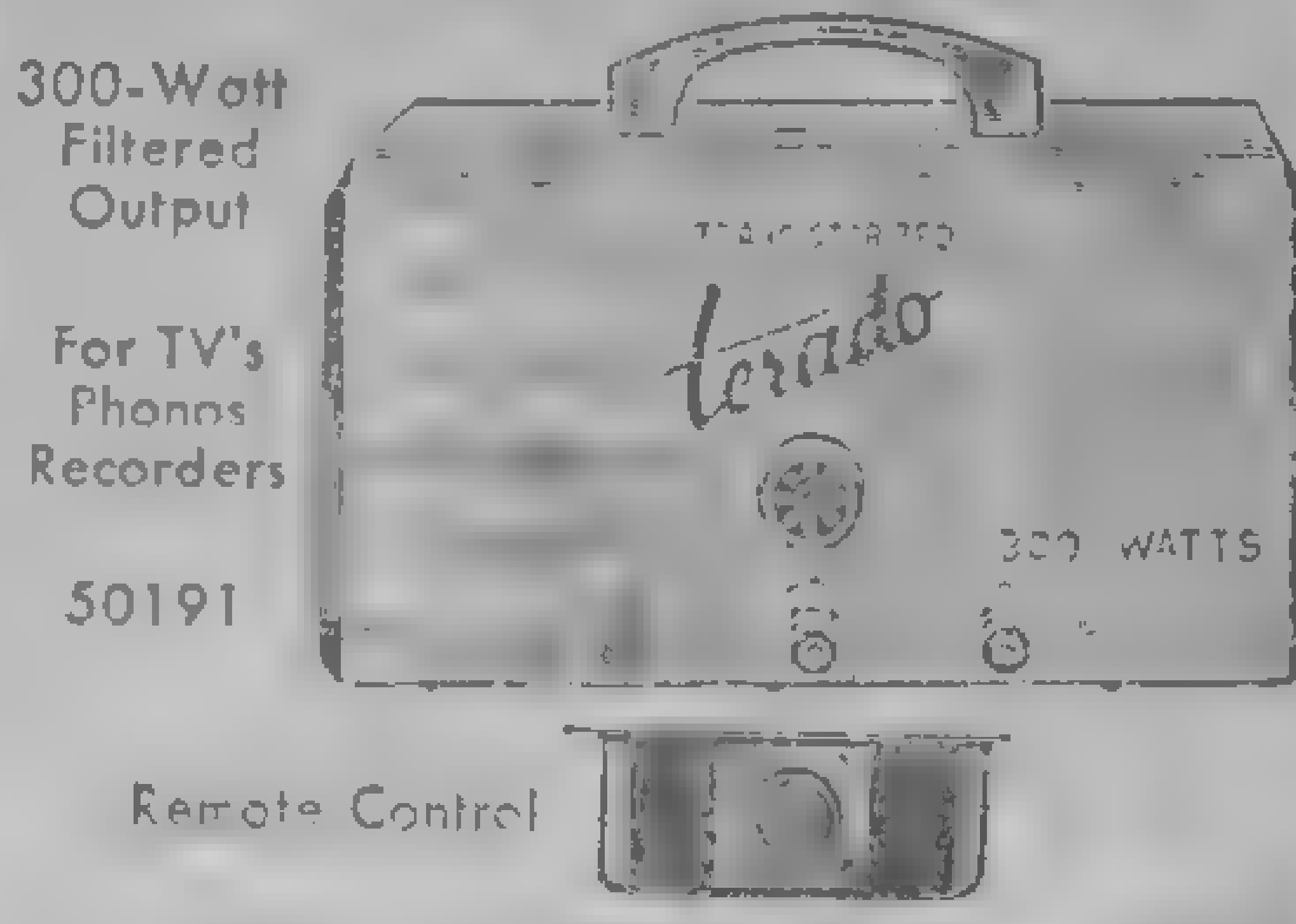


CORNELL-DUBILIER CONVERTERS

The famous line of Cornell-Dubilier "Powercon" DC-to-AC converters. Efficient vibrator-type recommended for operating AC appliances from DC power sources. All units have well-regulated output of 110 volts, 60 cycle AC. Feature improved RF filtering. Now have a higher rating for intermittent overloads. Wattage figures for intermittent use are rated for power factors from 70-100%. Superior filtering assures output free of "hash". Model 12SS14 comes in case of size indicated providing room for 12 v. battery (supplied less battery). Frequency stability regardless of load. Instant starting under load—no warm-up period needed. Output has RF filtering for clear TV, shortwave, AM and FM broadcast reception. Available in a variety of wattages for almost any applic[illegible] small portable types. Converters listed according to inputs: 6/12 volt battery, 12 volt battery or 110 volts DC. Models 110H25 and 110H35 are specially designed for use with TV receivers.

Stock No.	Mfr's Type	Typical Applications	Input V. DC	Watts Cont.	Watts Inter.	Size	Wt. Lbs.	List	NET
80 P 263	6 12D6	Dictating Machines*	6 12	60	75	5½x7¾x6½"	11½	50.00	29.40
80 P 305	12-P2	Electric shaver	12	20	20	2⅝x2½x3½"	2	13.40	7.88
80 P 306	12M6	Radio, phono, amplifier	12	60	80	[illegible]	6	34.50	20.29
80 P 307	12L8	Radio, phono, recorder	12	80	100	5½x6¼x8"	12	44.95	26.43
80 P 308	12S10	Radio, recorder, PA	12	100	125	5½x9¼x9"	14	72.50	42.63
80 PZ 199	12SS14	TV, recorder, PA	12	110	175	[illegible]	[illegible]		77.91
80 PU 309	12H15	Radio, recorder, PA	12	150	175	6½x7½x11"	[illegible]	[illegible]	58.51
80 PU 198	12SH22	TV, recorder, PA	12	200	250	[illegible]	35	[illegible]	76.15
80 P 310	110LM5	Phono, amplifier	110	50	60	[illegible]	4	28.50	16.76
80 P 311	110L10	Radio, recorder, PA	110	100	150	5½x6¼x8"	12	57.50	33.81
80 PU 312	110H25	TV, recorder, PA	110	250	325	6½x7½x11"	20	89.50	52.63
80 PU 313	110H35	TV, recorder, PA	110	350	450	6½x7½x11"	20	135.00	79.38

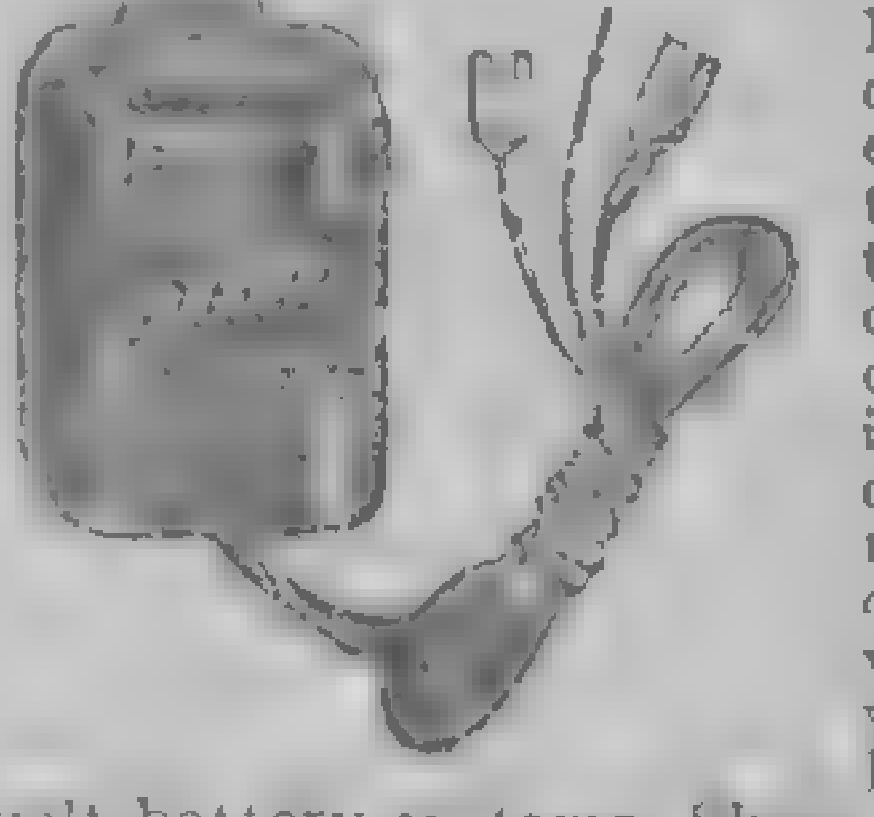
NEW TERADO TRANSISTOR DC-TO-AC 60-CYCLE CONVERTERS



Model 50191 "Continental" with Remote Control. High-powered transistorized unit converts 12 v. DC to 115 v., 60 cycle AC. Provides continuous 300-watt filtered output—plenty of power for radios, TV sets, power tools. Perfect for tape recorders, phonographs, and other motor-driven appliances requiring a stable 60 cycle AC supply. Chrome-plated remote control mounts on dashboard—converter may be installed in trunk, out of the way. Remote control has AC plug-in receptacle, variable AC voltage output switch and signal light. No vibrators or other moving parts. Copper-[illegible] on steel case, 6x6x11". Includes [illegible] and cable for installation. For 12-volt cars. Shpg. wt., 26 lbs.
80 P 043. NET....................96.70

Model 50190 "Transistorized Chief." (Not illus.) Similar to above, except 100-watt continuous output and less remote control. AC plug-in receptacle on case. Brown enameled steel case, 4x5x7". For use with 12-v. cars. Shpg. wt., 9 lbs.
80 P 088. NET....................48.19

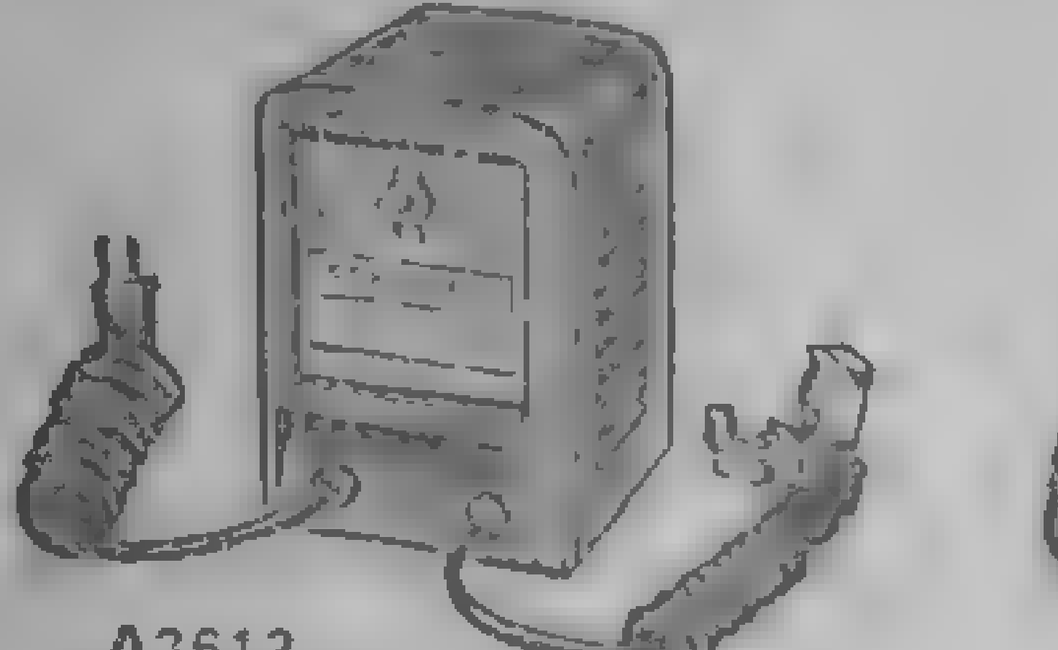
SCHAUER "KAR-START"



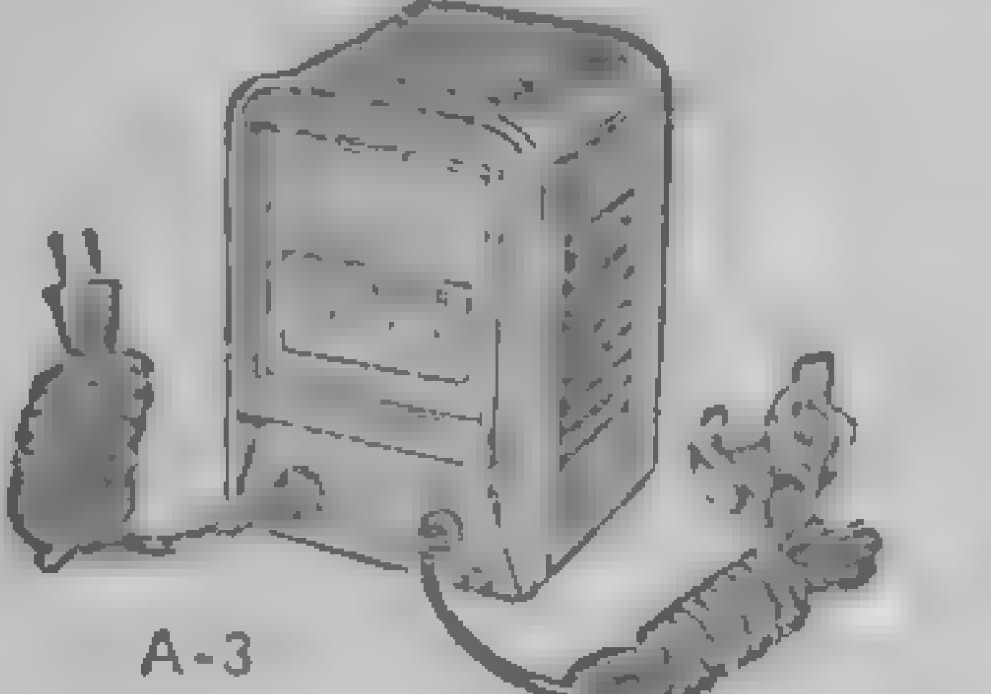
Model A-8478. Helps start cars in cold and wet weather—sends 5 times the normal spark through plugs. Disconnects automatically when engine is running. Especially helpful on cars normally parked outside in bad weather. Only three wires to connect. For both 6 and 12 volt battery systems. Shpg. wt., 6 oz.
81 P 069. NET 4.92

SCHAUER CHARGER PLUG

Type A-8412. Connects charger to battery by plugging into car's cigar lighter. For use with 12 volt cars. Shpg. wt., 4 oz.
81 P 059. NET 1.08

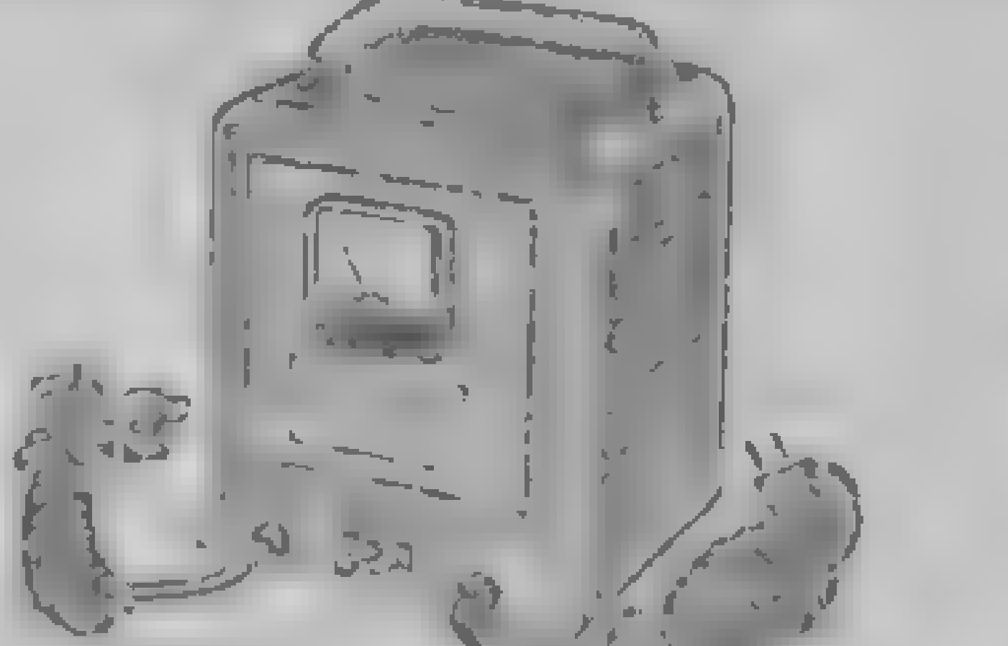


A3612

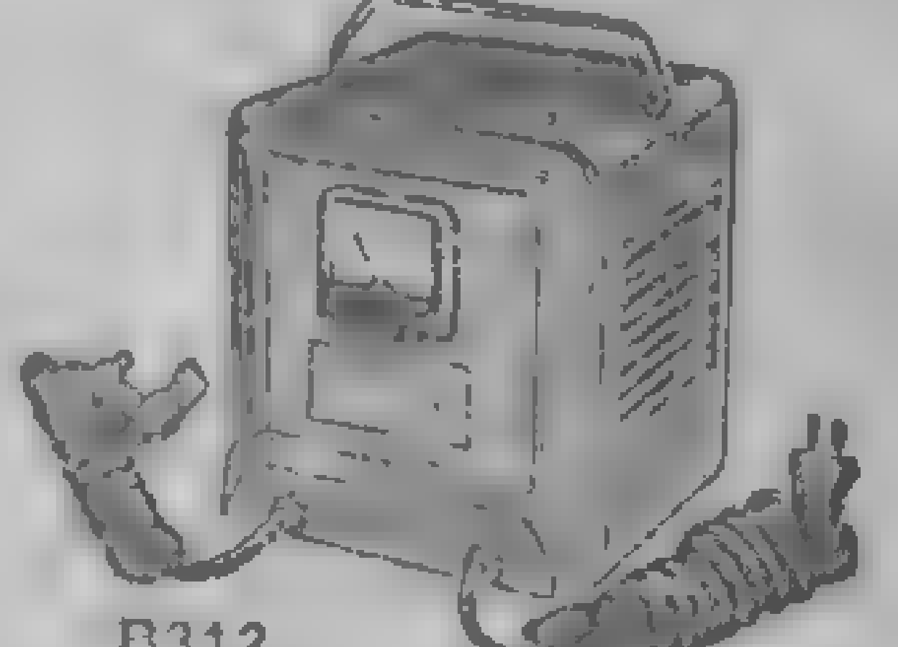


A-3

SCHAUER QUALITY BATTERY CHARGERS



B3612
C3612



B312
C312

4-AMPERE CHARGERS

Model A3612. Compact, 4-ampere, 6-volt and 12-volt battery charger. Recharges the average battery overnight. Has a selector switch for changing from 6-volt to 12-volt operation. Small in size, yet built of quality components for long life and thoroughly reliable service. Has automatic safeguard provision against short circuits and overloads. Rectifiers are selenium for long, efficient service. 4-ampere charging rate tapers to 2 amperes as battery charges. Has clip terminals. Quickly connected—no need to disconnect the battery or remove it from car. Size, 6¼x4¾x4¼". For 110-120 v., 60 cycle AC. Shpg. wt., 4¾ lbs.
80 P 284. List, $19.95. NET.........13.20

Model A3. Efficient, 6-volt overnight battery charger. Has a tapered 4-amp to 2-amp charging rate. Includes full-wave charging output which makes possible higher efficiency of operation. Rectifiers are selenium for dependable service. Equipped with built-in "Charger Guard." Pays for itself in longer battery life and protection from battery failure. With cables and clips. Size, 6¼x4¼x4¼". For 110-120 v. 60 cycle AC. Shpg. wt., 4 lbs.
80 P 161. List, $13.95. NET..........9.23

6-AMPERE CHARGERS

Model B3612. 6-ampere, 6-volt and 12-volt battery charger. Will fully charge the average battery in from 7 to 9 hours. Has a selector switch for changing from 6-volt to 12-volt operation. Accurate, numeral dial ammeter shows the exact rate of charge entering the battery. The charger is thoroughly efficient. Excellent for use with autos which are equipped with public address systems, 2-way radios, etc. This unit is ideal for restoring battery to full-charge overnight. Has fully automatic safeguard provision against short circuits and overloads. Comes complete. 7¼x6¼x6⅛". For 110-120 v., 60 cycle AC. Shpg. wt., 8½ lbs.
80 P 285. List, $28.95. NET..........19.15

Model B312. 12-volt, 6-ampere battery charger for moderately quick charging. Fully charges the average run down battery in from 7 to 9 hours. Car owners who use their electric accessories, such as heater, radio, fan, etc., at average rate, find this model excellent for restoring their car battery to full charge overnight. Equipped with an accurate numeral dial ammeter. Size: 6¼x6⅛x7¼". For 110-120 v., 60 cycle AC. Shpg. wt., 10½ lbs.
81 P 072. List, $21.95. NET..........16.50

10-AMPERE CHARGER

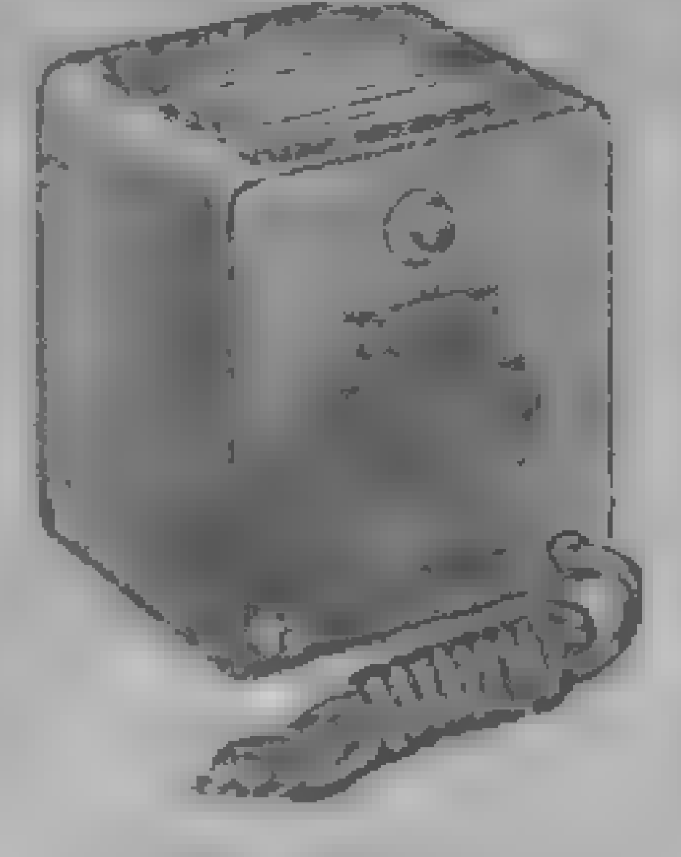
Model C3612. 10-ampere, home-type battery charger for 6 and 12 volt batteries. Will recharge the average battery in 6 hours or less. 10 ampere charging rate permits over-night charging of most batteries. Ideal for quick charging during intervals when equipment is not in use, but must be ready in a hurry. Widely used for re-charging taxicab batteries or other vehicle batteries which are required to power electronic equipment in addition to automotive requirements. Has automatic safeguard provision for full, instantaneous protection against short circuits and overloads. Accurate numeral-dial ammeter shows exact charging rate. Size: 6¼x6⅛x7¼". For 110-120 v., 60 cycle AC. Shpg. wt., 10¼ lbs.
81 P 071. List, $36.95. NET........24.44

Model C312. Heavy-duty 10-amp charger for cars, tractors, trucks. For one 12-volt or two 6-volt batteries in series. Ideal for keeping batteries used in farm vehicles, trucks, etc. at full charge. With accurate numeral dial ammeter that shows exact rate of charge going into the battery. 6¼x6⅛x7¼". For 110-120 v., 60 cycle AC. Shpg. wt., 10 lbs.
80 P 164. List, $32.95. NET.........21.80

Power Supplies, Converters & Rectifiers

MALLORY POWER SUPPLIES

6 AND 12-VOLT BATTERY CHARGERS

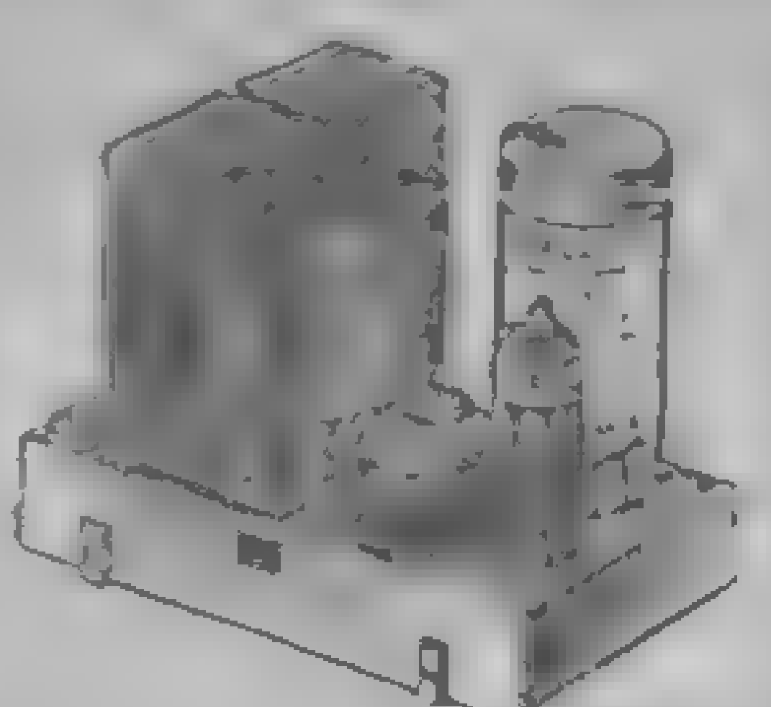


Highly efficient selenium-rectifier battery chargers. May also be used as power supplies for electroplating, model trains, telegraph systems, vending machines, relays, solenoids, etc. Charging rate decreases as battery becomes charged. Equipped with socket for use with R675 charging cord listed below. Complete with DC cord and battery clips for quick connection. Pilot light dims as battery becomes charged and blinks if charger connections are shorted or reversed. Type 6SAC6 for 6-volt batteries, 12SAC5 for 12-volt. For operation from 105-125 volts, 60 cycle AC.

Stock No.	Mfr's Type	DC Amps		Max. DC Amps Continuous	Sizes H. W. D.	Wt., Lbs.	List	NET EACH
		Max	Taper					
80 P 093	6SAC6	6	4	5	6⅞x4⅞x4¼"	6	$22.99	14.99
80 P 087	12SAC5	5	3	4	7⅞x6½x5¾"	9	33.55	22.18

Type R675 Charging Cord with Universal Lighter Plug. Convenient plug-in connector on cord charges car battery through cigarette lighter. 6-ft. cord. Shpg. wt., 6 oz.
52 P 643. List, $2.25. **NET**....................................1.47

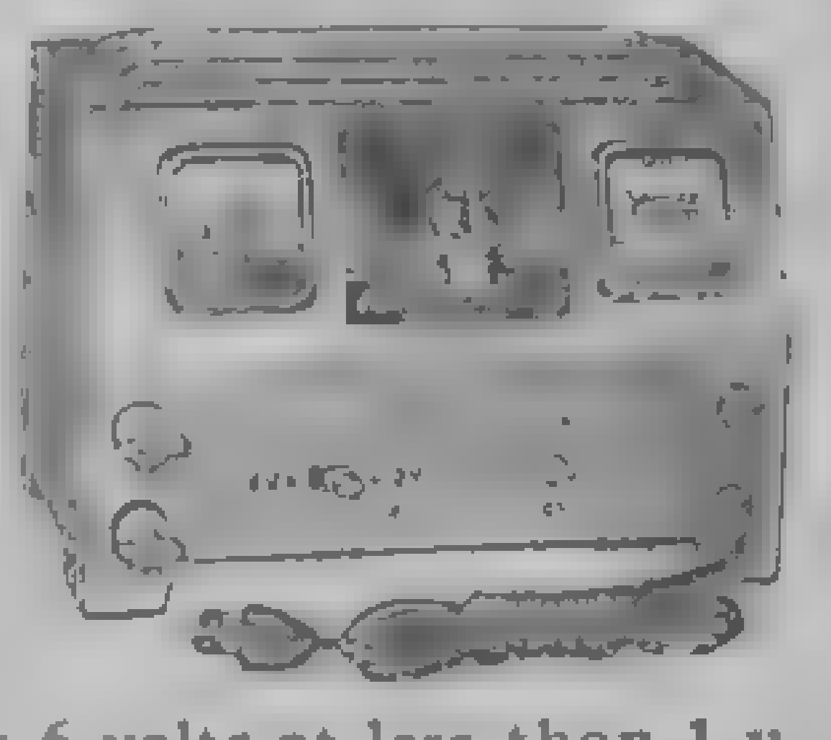
PORTABLE AND MOBILE HIGH-VOLTAGE DC VIBRAPACKS



Mallory vibrapacks provide high-voltage DC from low-voltage storage batteries. Excellent as source of "B" power for portable radios, transmitters and receivers, mobile P.A. systems, etc. Have filter for vibrator hash. All are tube-rectifying types for use in circuits where self-bias is obtained through a resistor or choke between B-negative and ground. Type VP12-260 vibrapack can be converted to 200 v. DC output at 60 ma with simple wiring change. All of the vibrapacks listed below require an external filter circuit. Size, 5⅜x3¾x4½".

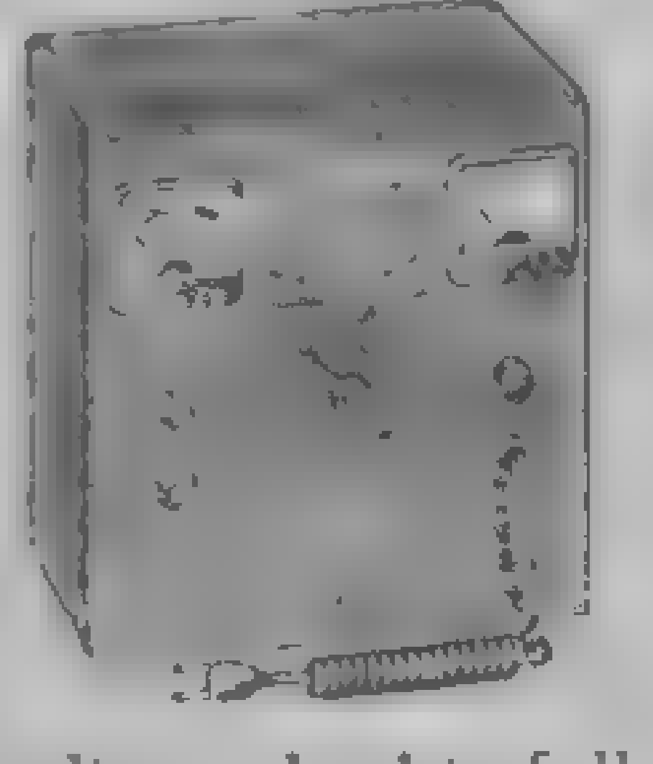
Stock No.	Mfr's Type	Input VDC	Output VDC	Max. Ma.	Wt., Lbs.	List	NET EACH
80 P 119	VP12-260	12	260	60	5	$28.95	17.02
80 P 116	VP6 -325	6	325	100	6	29.95	17.61
80 P 117	VF12-325	12	325	100	6	29.95	17.61

12RS6DF BENCH POWER SUPPLY



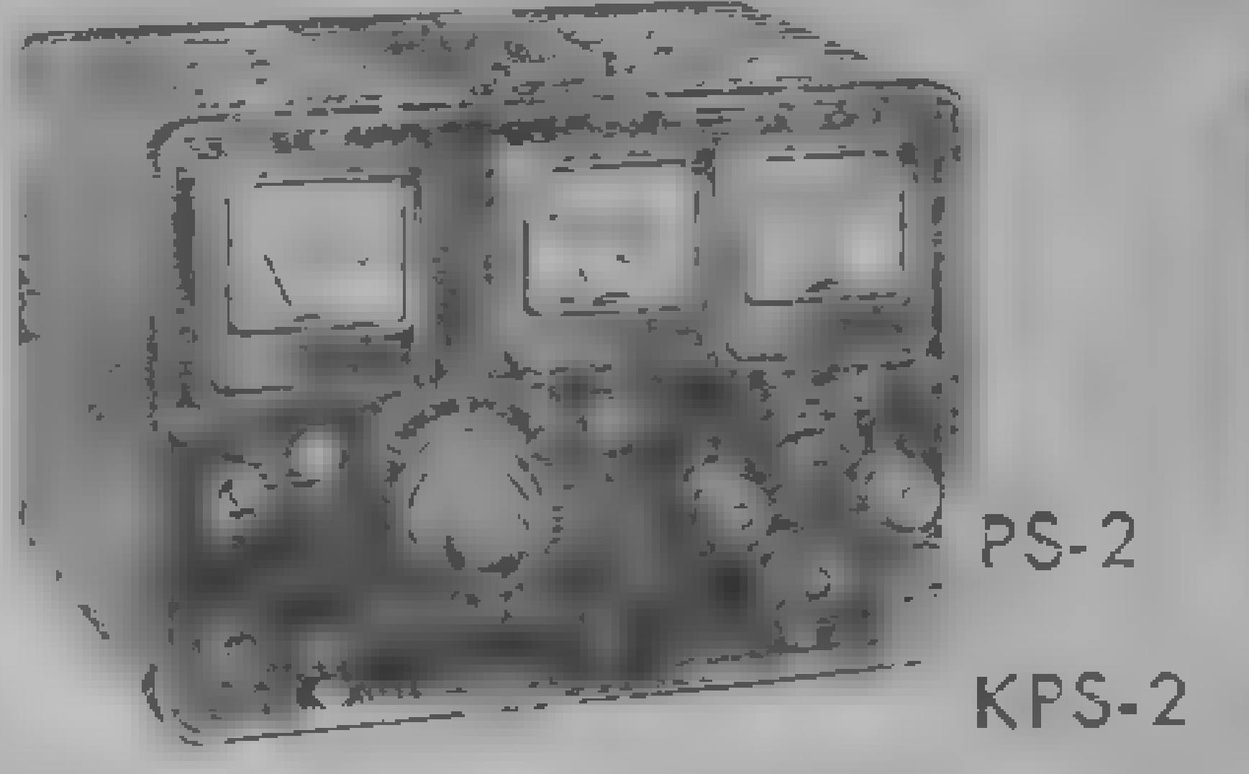
Dual-range power supply for servicing car, truck and transistor radios. Range "A" supplies 0-16 v. at 6 amps continuously, or 14 amps intermittently. Range "B" provides 0-8 v. at 10 amps continuously or 20 amps intermittently. 2¼" voltmeter and ammeter; ranges: 0-16 v. DC and 0-20 amps DC. Provision for plugging in external ammeter. Includes built-in filter pack—provides filtered output up to 6 amps at less than 0.5% ripple; 6 volts at less than 1 v. rms ripple; 12 volts at less than 0.5 v. rms ripple. With automatic overload protection. Handy front panel wing-nuts permit quick, easy hookup. Ventilated for trouble-free, cool-running operation. Size, 6¾x10⅜x5½". For 110-120 v., 60 cycle AC. Shpg. wt., 12½ lbs.
80 PX 291. *Only $5 Down.* **NET**....................................58.75

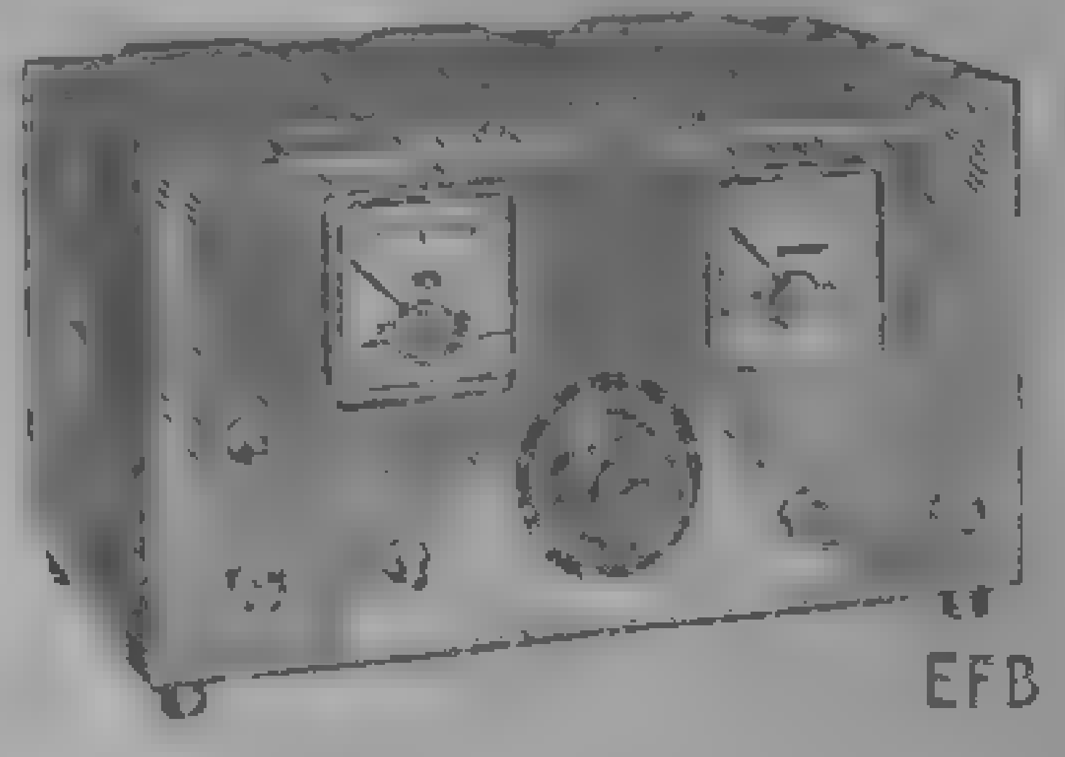
12RS14D "RECTOPOWER" BENCH SUPPLY



Efficient versatile power supply. Provides filtered and continuously adjustable power for electronic equipment operating on 6 or 12 volts. Supplies 6 volts at 25 amps continuous or 40 amps intermittent; 12 volts at 14 amps continuous or 20 amps intermittent. Automatic voltage regulating system maintains constant output under varying load. Includes DC voltmeter and DC ammeter. Overload protection. Has large-capacity electrolytic capacitors that provide power storage for operation of vibrator powered equipment. Uses selenium rectifiers. Output regulation 20% at 6 volts; 8% at 12 volts; no load to full load. Sturdy, well ventilated cabinet provided with 4 rubber feet. Overall size, 11x10½x8¼". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 35 lbs.
80 PU 132. *Only $5 Down.* **NET**....................................136.71

ELECTRO-PRODUCTS POWER SUPPLIES

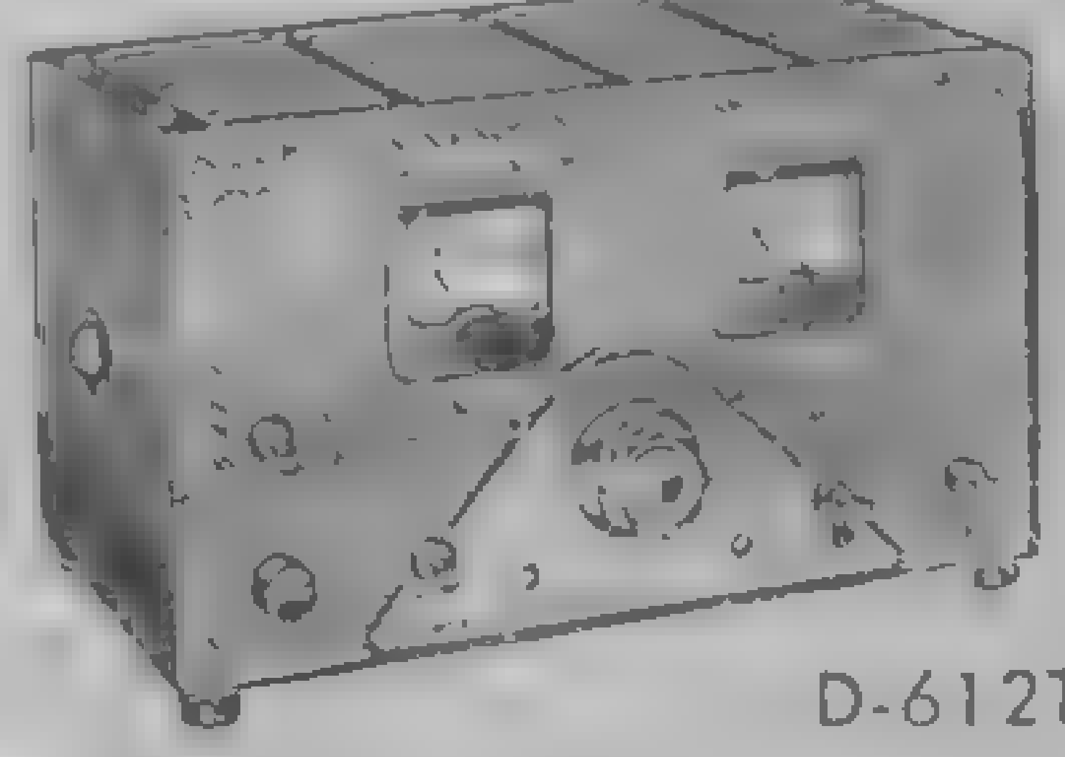


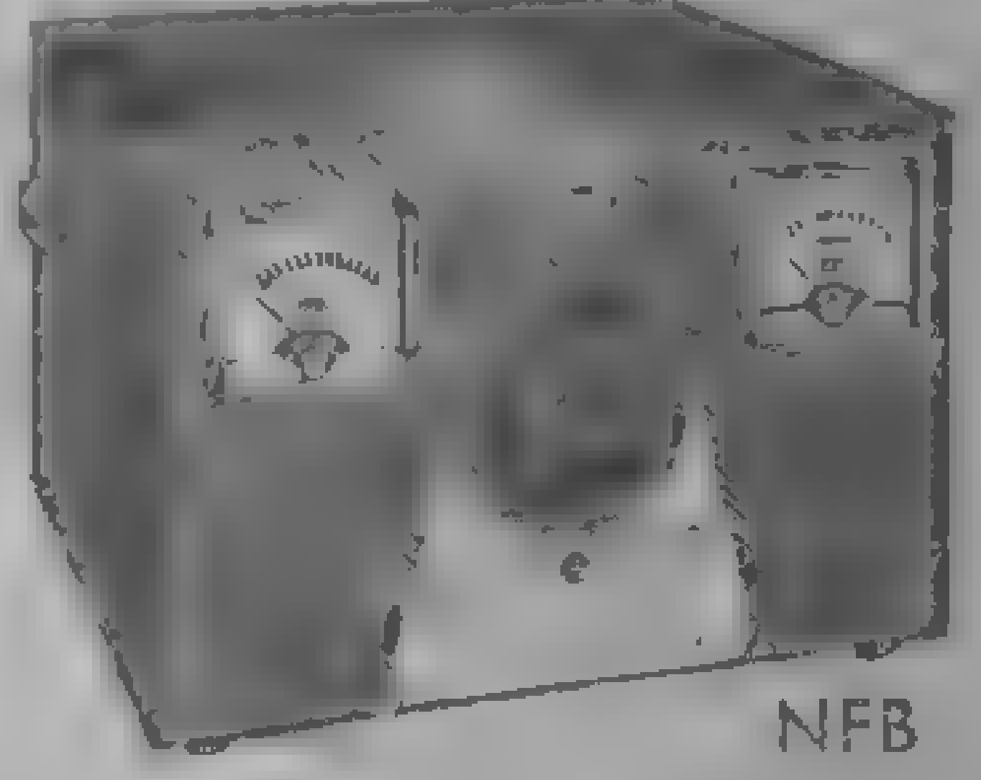


Model KPS-2 DC Power Supply Kit. A highly efficient, easy-to-build unit. For servicing transistor portables and 6/12 v. auto sets. Two output ranges with separate current meters and output terminals. Delivers 0-20 volts at 75 ma and 0-16 at 5 amps. Variable transformer provides smooth voltage adjustment. 0-20 v. range has 75-ma meter and fused secondary for transistor protection. 0-16 v. range has 10-amp meter. Maximum ripple: 0-20 v. range, 0.15% at 75 ma; 0-16 v. range, 0.5% at 5 amps. Special pi-type filter. Selenium rectifiers have conduction cooling for long life. Includes fused primary. With assembly instructions. Sturdy metal case. 8½x8x5¾". For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.
80 PX 038. *Only $2 Down.* **NET**....................................43.50

Model PS-2. Same as above, but factory wired and tested.
80 PX 039. NET....................................49.95

Model EFB DC Power Supply. Specially designed for exacting requirements of transistor work. Ideal for general laboratory applications—offers exceptionally high reliability. Continuously variable voltage control. 0-16 volts for current loads up to 8 amps; 0-32 volts for loads up to 4 amps. Current and voltage indicated on panel meters with 2% D'Arsonval movements. Less than 0.1% AC ripple at maximum ratings; less than .01% at loads up to 100 ma. Bridge-type selenium rectifiers use conduction-cooling design for long life. Employs pi-type filter with 2 chokes and 2 capacitors. Also has built-in "hash" filter. Fuseholder and 5-way binding posts are conveniently located on front panel. Rugged, blue hammerloid steel cabinet. 7x12x8½". For 110-120 v., 50-60 cycle AC. Shpg. wt., 35 lbs.
80 PU 024. *Only $5 Down.* **NET**....................................120.00





Model D-612T DC Power Supply. Deluxe, easy-to-use unit. Designed for servicing transistor auto sets, as well as standard 6 and 12-volt vibrator-powered models—also suitable for transistor portables, aircraft and marine radios, phone circuits, and low voltage DC accessories. Ideal for battery charging and electroplating. Two continuously variable ranges: 0-8 volts and 0-16 volts. 10 amps continuous duty up to 12 volts; up to 20 amps intermittent. Less than 0.5% ripple up to 5 amps; 2% at up to 10 amps. Four bridge-type selenium rectifiers with conduction cooling. Choke-input filter with 10,000 mfd capacitor. Two panel meters for constant check on voltage and current. 0-8 and 0-16 volt selector switch; convenient panel-mounted fuseholder. Wing nut output terminals with soldering lugs. Rugged blue hammerloid steel cabinet, 7x12x8½". For 110-120 v., 50-60 cycle AC. Shpg. wt., 22 lbs.
80 PU 283. *Only $5 Down.* **NET**....................................56.00

Model NFB Power Supply. Deluxe unit for continuous heavy-duty operation; ideal for work on aircraft electronic equipment. Output continuously variable, 0-32 volts for loads to 15 amps. D'Arsonval meters. Ripple: Less than 0.75% @ 15 amps. Filter circuit has two chokes and 6000 mfd of capacitance. Regulation: 16% no load to full load. Has fused input circuit, plus output circuit breaker for overload protection. Variable autoformer for smooth control. 5-way output terminals. Drain: 730 w., with 32-volt, 15 ampere output. Bridge-type germanium rectifiers. Blue hammerloid steel cabinet, 14¼x14¼x9¾". For 110-120 v., 50-60 cycle AC. Shpg. wt., 86 lbs.
80 PZ 282. *Only $10 Down.* **NET**....................................235.00

Model NFBR. Same as NFB unit above, but for rack mounting. Has ⅛" steel panel, 19x10½". Shpg. wt., 100 lbs.
80 PZ 290. NET....................................265.00

PERMA-POWER RADIO BATTERY ELIMINATOR

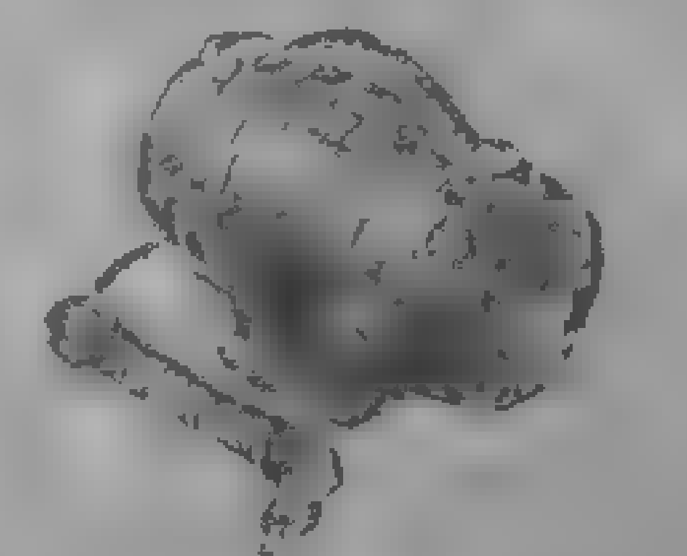
Model "A". Converts battery radios and other low-power battery-operated appliances to 110 v. AC house current operation. Efficient selenium rectifiers produce well-filtered DC output. Rated power output is maintained under widely varying tube loads. "A" power: 1.35-1.5 v. DC, "B" power: 90 v. DC at 13 ma. Operates any 4, 5 or 6-tube radio with filaments designed for 1.5-volt battery operation. Fits inside back of battery radio cases and in battery compartments of most portable radios. Very compact 2⅛x6¾x4½". Variety of sockets permits use with most portables. U.L. Approved. For 105-125 v., 50-60 cycle AC. Wt., 4 lbs.
80 P 176. NET....................................12.40

MALLORY DRY-DISC RECTIFIERS

Magnesium-copper sulphide rectifiers for use in low voltage DC power supplies. Single-phase full-wave bridge type. Operate from −90° to +265° F. Constant output without adjustments. "Self-healing" rectifying film. ‡At full load. Type of mounting: *Insulated bolt; †grounded foot; §insulated stud. J suffix indicates universal mounting design.

Stock No.	Mfr's Type	Max. ACV Input	DCV Output‡	Cont. Duty Amps	Sizes H. W. D.	Replacement in Equipment	Wt., Lbs.	List	NET EACH
56 P 174	IB4R*	3.2	1.7	1.5	⅞x⁹⁄₁₆x1"	GTC Battery Eliminator	¼	$2.90	1.89
56 P 175	IB8R*	6.4	3.4	1.5	⅞x⁹⁄₁₆x1⅜"	GTC Battery Eliminator	¼	3.45	2.25
56 P 176	IB12R*	9.7	5.2	1.3	⅞x⁹⁄₁₆x1¾"	Electric Fence Supplies	¼	3.95	2.59
56 P 170	IB12C1J*	9.8	5.1	3.2	1⅝x1¼x2¾"	Mallory 3C, 6AC4 Rectifier	[illegible]	7.25	4.74
56 P 177	IS16CB7*	12.8	6.6	6.0	3x2½x3¾"	Mallory 5535B, 6AC6, IS16CB7M	1½	12.30	8.04
56 P 171	F16C3†	13.0	6.8	3.9	2⅛x1¼x3"	Mallory 5535	1	10.70	6.99
56 P 186	IS24C7J§	19.4	10.1	4	3³⁄₁₆x2½x4¼"	Mallory 12-AC-5-2	2½	15.45	10.09

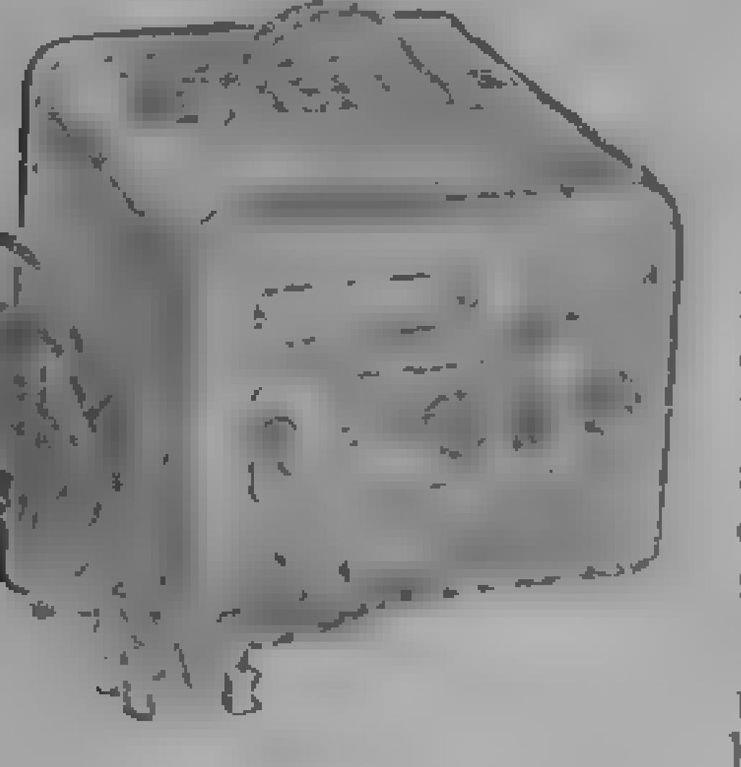
CARTER CONVERTER



Model B1010CBW4. Rotary converter designed to operate tape and wire recorders from a 12-volt DC power source. Features cross-stacked armature laminations for minimum eddy current and hysteresis losses. Input, 12 v. DC, [illegible] amps. Output, 115 v. 60 cycle AC. Load capacity, [illegible] watts. Regulation, approx. 20%, no load to full load. With AC plug-in outlet and DC input cord. 5x10¼x4½". Shpg. wt., 18 lbs. *Only $5 Down.*
80 P 059. List, $123.00. **NET**....................................90.40

Inverters, Power Supplies and Plugs

ATR QUALITY INVERTERS AND POWER SUPPLIES

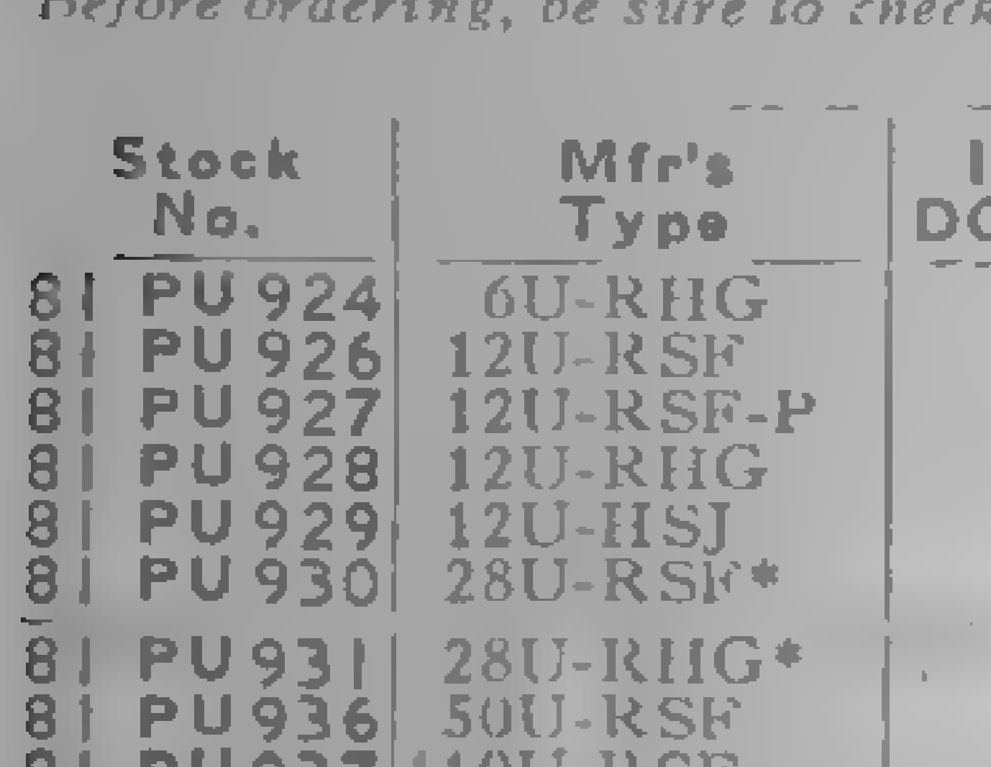


DC TO AC UNIVERSAL INVERTERS

Universal inverters for operating 110-volt, 60 cycle AC equipment from DC voltages in autos, buses, trucks, boats, trains, planes and DC districts. Designed especially for standard 110-volt AC tape recorders, TV sets, radios, PA systems, electric razors, test equipment, etc. Units are carefully engineered and ruggedly constructed to provide long life operation. All feature complete RF interference suppression and exceptional frequency stability. Have operating efficiency in excess of 75%. Four-point voltage regulator corrects output voltage for minimum and maximum loads, and also helps compensate for input voltages lower or higher than normal. Inverters are recommended for use with loads having power factors in excess of 70%. Built-in toggle switch selects most efficient operation for use with TV sets or tape recorders. Inverters are not recommended for use with large motor driven appliances such as refrigerators, washing machines, etc. All have On-Off switches. Housed in gray Hammerloid metal cabinet with leather carrying strap. Sizes: Standard Model RSF, 8½x9⅞x5¼"; Heavy-Duty Model RHG, 6⅞x11¼x8½"; Extra-Heavy-Duty Model HSJ, 6½x12⅞x8½". With battery clips for instant connection to power source. Model with "P" suffix has adapter cord for use in auto cigarette lighter receptacles. *Recommended for 24-volt battery operation. *Before ordering, be sure to check wattage rating of specific equipment with which inverter is to be used.*

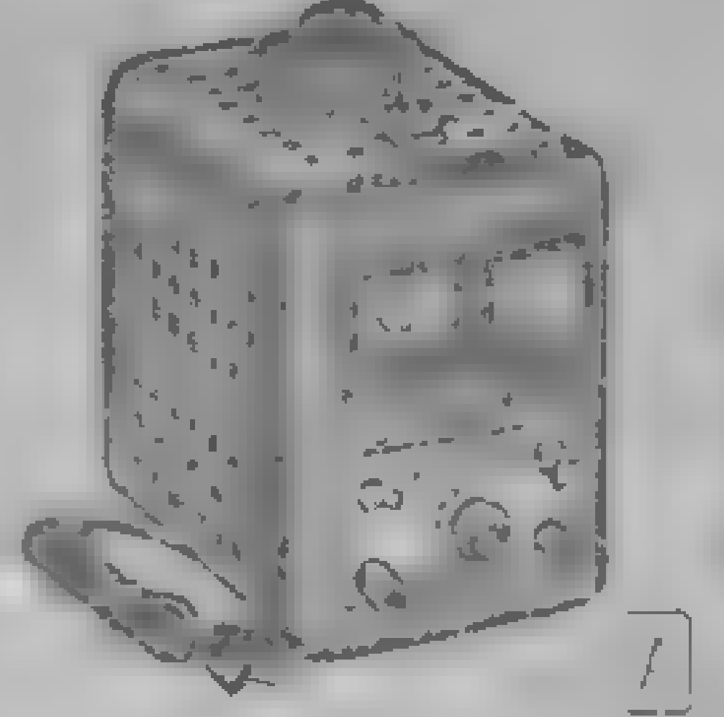
Stock No.	Mfr's Type	Input DC Volts	Output 60 Cycle	Watts		Wt., Lbs.	List	NET EACH
				Cont.	Inter.			
81 PU 924	6U-RHG	6	110 v.	125	150	27	$99.50	65.01
81 PU 926	12U-RSF	12	110 v.	100	125	22	75.00	49.00
81 PU 927	12U-RSF-P	12	110 v.	100	125	22	75.00	49.00
81 PU 928	12U-RHG	12	110 v.	150	175	27	99.50	65.01
81 PU 929	12U-HSJ	12	110 v.	200	250	37	125.00	81.67
81 PU 930	28U-RSF*	28	110 v.	100	125	22	89.95	58.77
81 PU 931	28U-RHG*	28	110 v.	150	175	27	119.50	78.08
81 PU 936	50U-RSF	50	110 v.	100	150	22	89.95	58.77
81 PU 937	110U-RSF	110	110 v.	150	250	22	75.00	49.00
81 PU 938	110AU-RHG	110	110 v.	250	325	27	89.95	58.77
81 PU 940	110U-HSJ	110	110 v.	400	600	37	145.00	94.74

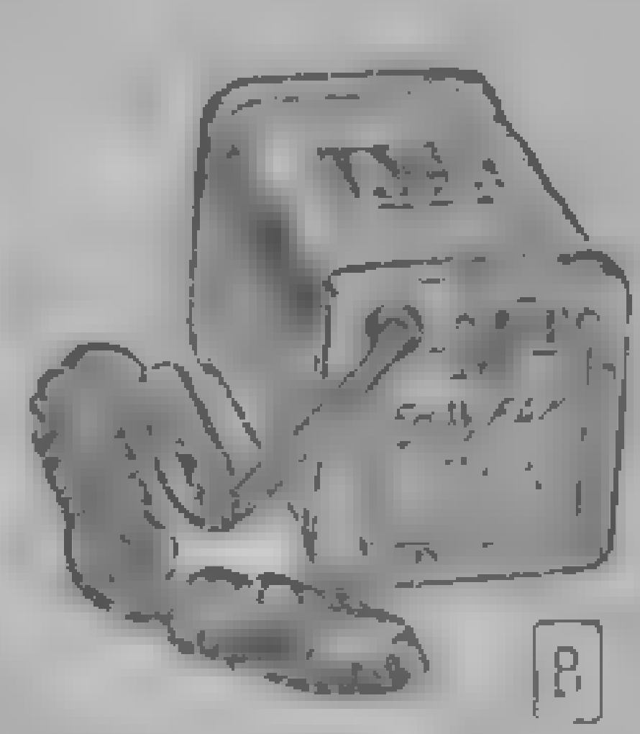
PORTABLE PLUG-IN TYPE DC TO AC INVERTERS



Lightweight inverters for operating 110 v. AC equipment from DC voltage sources. Feature excellent frequency stability and high efficiency. 6 and 12-volt units plug into cigarette lighter receptacle of any vehicle; others are equipped with standard 2-prong plugs. All are designed especially for use with dictating machines; record players, electric razors, test equipment, etc. Not recommended for tape recorders and large motor driven appliances such as refrigerators, washing machines, etc. Gray Hammerloid case with leather carrying strap. Sizes: DME, 5¼x4¾x2¾": RME and RMF, 8⅝x8x3¼". *Recommended for 24-volt operation. RME and RMF types are equipped with an adjustable, 4-position voltage regulator, calibrated for low, medium, high and maximum loads. All are for use with loads having power factors over 80%. *Check wattage rating of equipment before ordering.*

Stock No.	Mfr's Type	Input DC Volts	Output 60 Cycle	Watts		Wt., Lbs.	List	NET EACH
				Cont.	Inter.			
80 P 246	6DME	6	110 v.	30	40	5	$24.95	16.30
80 P 289	6C-DME	6/12	110 v.	30	40	5	28.95	18.91
80 P 247	6-RMF	6	110 v.	60	80	12	49.50	32.34
81 P 941	6C-RMF	6/12	110 v.	60	80	12	54.95	35.91
80 P 249	12-DME	12	110 v.	40	50	5	24.95	16.30
80 P 266	12T-RME	12	110 v.	90	125	12	49.50	32.34
81 P 942	28-RME*	28	110 v.	80	100	12	69.50	45.41
80 PX 218	110-RME	110	110 v.	100	150	12	59.50	38.88





6-12 V. DC POWER SUPPLIES

A **Type 610C-ELIF.** Features either 6 volts @ 10 amperes continuous, or 12 volts @ 6 amperes continuous. Has voltmeter and ammeter. Toggle switch selects 6 or 12 volts output. 8-position voltage selector control. For 105-125 v., 50-60 cycle AC. Gray steel case, 6½x9⅛x8½". Shpg. wt., 22 lbs.

80 PU 243. NET.................. **48.95**

A **Type 620C-ELIT.** Heavy-duty model. Uses dual rectifiers—full wave assures noiseless operation. Rated output: 6 volts at 20 amperes or 12 volts at 10 amperes. Has voltmeter and ammeter Gray steel case with handle. 8-position voltage selector control. Size, 6½x12⅞x8½". For 105-125 volts, 50-60 cycle AC. Shpg. wt., 33 lbs

80 PU 234. NET................. **65.61**

6 AND 12 V. SHAV-PAKS

B Miniature inverters that operate standard AC electric shavers from 6 and 12-volt storage batteries in autos, buses, trucks, boats and [illegible] into cigarette lighter receptacle. Both 6 and 12-volt models provide 115 volts 60 cycle AC output at 15 watts. Hammerloid steel case. 4x2¾x2¾". Shpg. wt., 2½ lbs

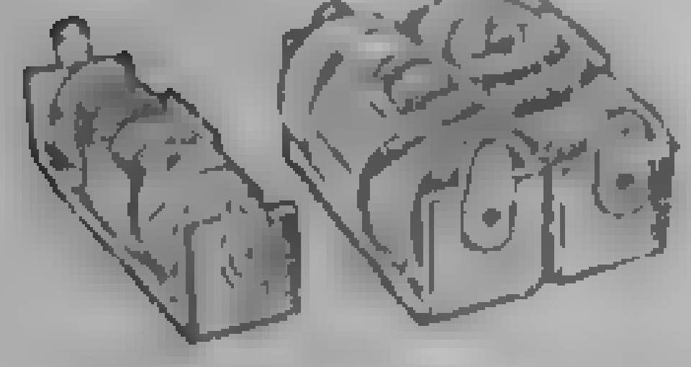
Stock No.	Type	DC Input	List	NET
81 P 944	6-SPB	6 volts	$11.95	7.81
81 P 945	12-SPB	12 volts	11.95	7.81

6-12 V. BATTERY CHARGER

Model 612CA6. Charges 6 or 12-volt storage batteries through cigarette lighter receptacle of any vehicle. 6 amp charge rate tapers to 3 amp. Circuit-breaker eliminates need for fuses. For use in negative and positive-ground vehicles. 8½x5½x3⅞". For 110-120 v., 50-60 cycle AC. Shpg. wt., 8 lbs

81 P 946. List, $[illegible] **NET** **22.01**

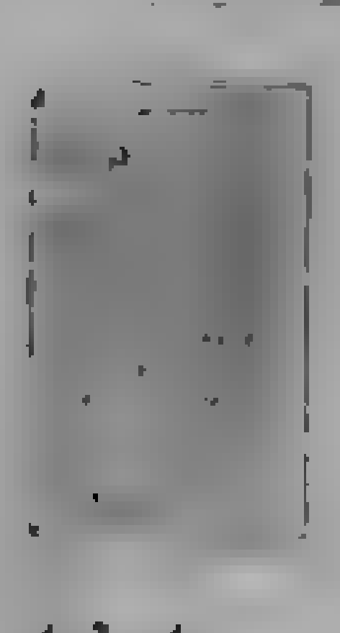
KEYSTONE BATTERY HOLDERS



Battery holders for transistor assemblies, radios, meters, model airplanes, etc. Feature snap-clips, moisture-proof fibre washers, mounting holes and aluminum-alloy, nickel-plated eyelets. *End to end. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Holds	Burgess	Mallory	Eveready	NET EACH	
						1-19	20-299
54 J 071	104	1	...	RM3R	E3	30¢	26¢
54 J 042	139	1	Z, 9R, Y15	RM12R, TR133R, RM502R, ZM-9	E-9, E-12, E133, E502, 915, 1015E, 505	23¢	21¢
54 J 043	140	2				38¢	34¢
54 J 044	171	3				49¢	44¢
54 J 045	182	4				64¢	57¢
54 J 077	189	2	*	....	1015E	49¢	44¢
54 J 046	173	1	1	TR233R	E233, 635,	30¢	24¢
54 J 047	174	2				38¢	34¢
54 J 079	185	2	*	....	935	45¢	36¢
54 J 048	137	1	7		912	23¢	21¢
54 J 049	138	2				38¢	34¢
54 J 055	154	1	N	TR152R	W468	23¢	21¢
54 J 056	155	2				38¢	34¢
54 J 057	132	1		TR132R, TR115R	E132	30¢	24¢
54 J 040	175	1	2, Z4	RM42R	D-99, A-100	30¢	24¢
54 J 060	176	2			724	38¢	34¢
54 J 078	186	2	*	....	950	49¢	44¢
54 J 058	166	1	U10	....	411	30¢	24¢
54 J 059	167	2				38¢	34¢
54 J 041	177	1	U15	RM412R	412	30¢	24¢
54 J 061	178	2				38¢	34¢
54 J 062	183	1	U20	....	413	30¢	24¢
54 J 063	184	2				38¢	34¢
54 J 064	225	1	Y10	...	504	23¢	21¢
54 J 069	226	2				38¢	34¢

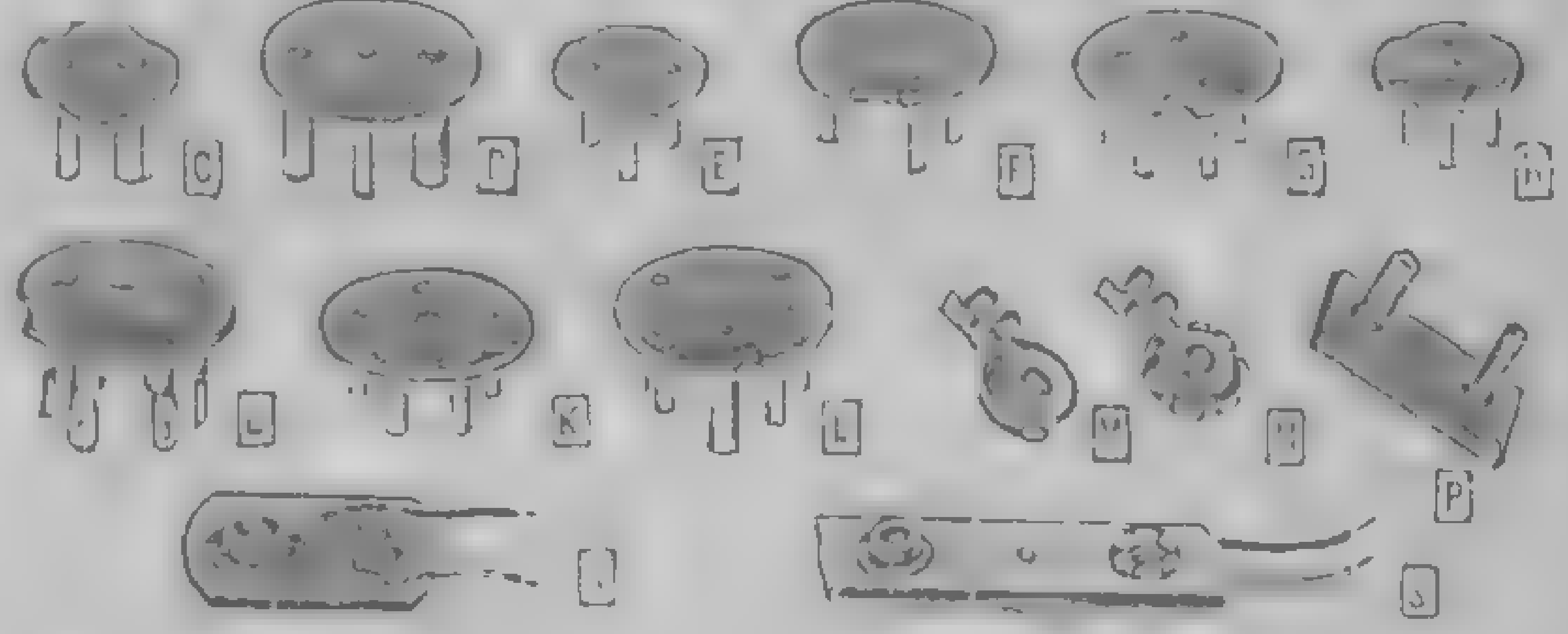
BURGESS BATTERY ENGINEERING MANUAL



Complete data on dry batteries for the design engineer. Chapters include: Basic Information on Dry Batteries, Explanation of Various Cell Types, Performance on Standard Tests, Curves for Estimating Dry Battery Performance, Terminal Illustrations and Dimensions, Reserve Type Power Units, etc. Illustrated. 97 pages. Size: 6x9½".

38 K 874. Postpaid in U.S.A........................**1.00**

CINCH-JONES PLUGS FOR BATTERIES

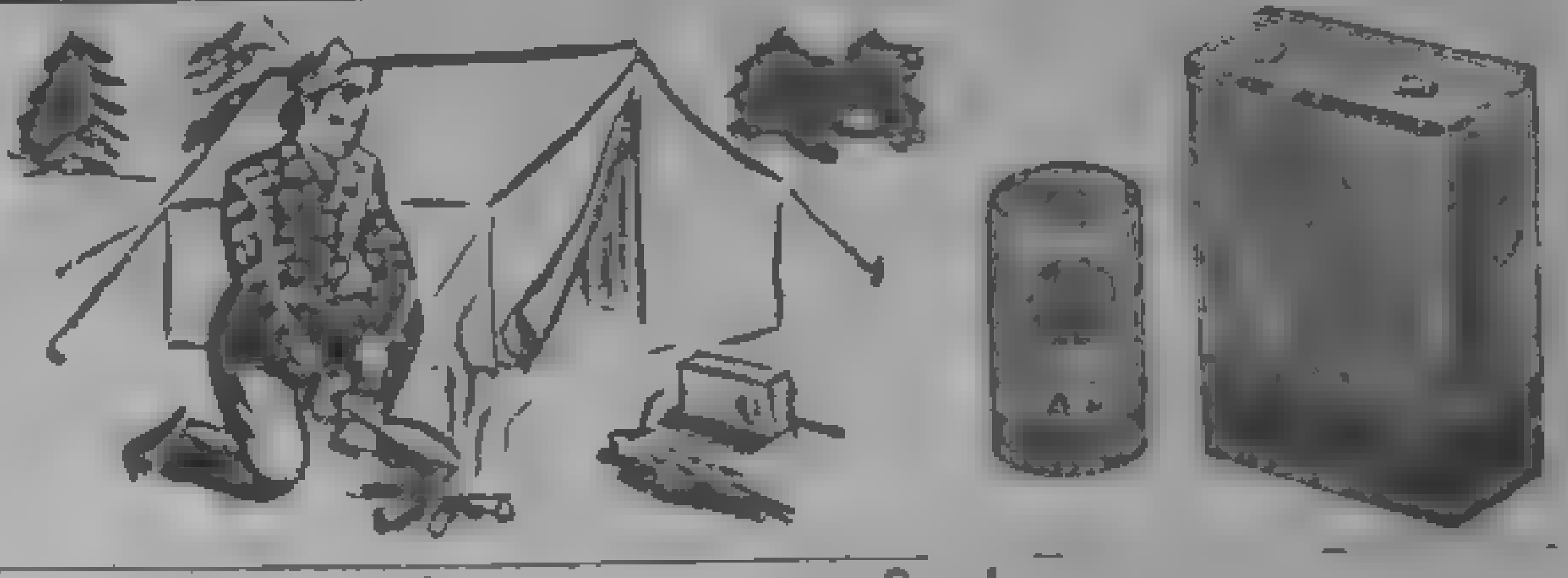


*5 Prongs, 5 Fahnestock clips. Av. shpg. wt., 1 oz. 2 per pkg.

No.	Type	Fig.	For Burgess Battery	For RCA Battery	PKG.
54 J 024	5A1	C	2F,4F,6F,8F,2D,8R	VS001,VS069,[illegible], VS141	6¢
54 J 027	5A5	D	B5,C5,J5	VS065	12¢
54 J 022	5B1A	E	XX15,XX22,XX30P1		6¢
54 J 076	5B2-1	F	A30,B30,M30,W30P1, Z30,[illegible]P1	VS012,VS013, VS014,VS015	10¢
54 J 036	5C-2	G*	5156P1	....	14¢
54 J 028	5AB2	H	2TXX40,4GA42		10¢
54 J 072	6K4	J	G6B60,F6A60P, S6D60,T6Z60P	VS047,VS058, [illegible]	12¢
54 J 023	5AB1	K	6TA60,4TZ60,17GD60	[illegible]	14¢
54 J 031	5AB7	L	F6A60,G6M60,S6D60, T5Z50,T6Z60	VS019,VS050, VS057W	12¢
54 J 067	5M	M	P6,D5,P6M,M6, XX45,XX30,XX50, K45,P45,P45M, P60,D6,4D4,N60X, C6X	[illegible]	6¢
54 J 068	5F	N			8¢
54 J 026	5A3	P	D3,F3,[illegible]	[illegible]	6¢
54 J 021	[illegible]	P	[illegible] XX15, XX22,XX30P1		8¢
54 J 037	5D	R	U30,2U6,2N6,UX45	[illegible]	76¢
54 J 073	5D1	S	XX50,P45,P45M, P60,N60X,C6X	[illegible]	34¢
54 J 074	5D2	S	N60	[illegible]	44¢
54 J 075	5MFA	S	XX45,XX30,K45	[illegible]	44¢

PORTABLE, TRANSISTOR & INDUSTRIAL BATTERIES

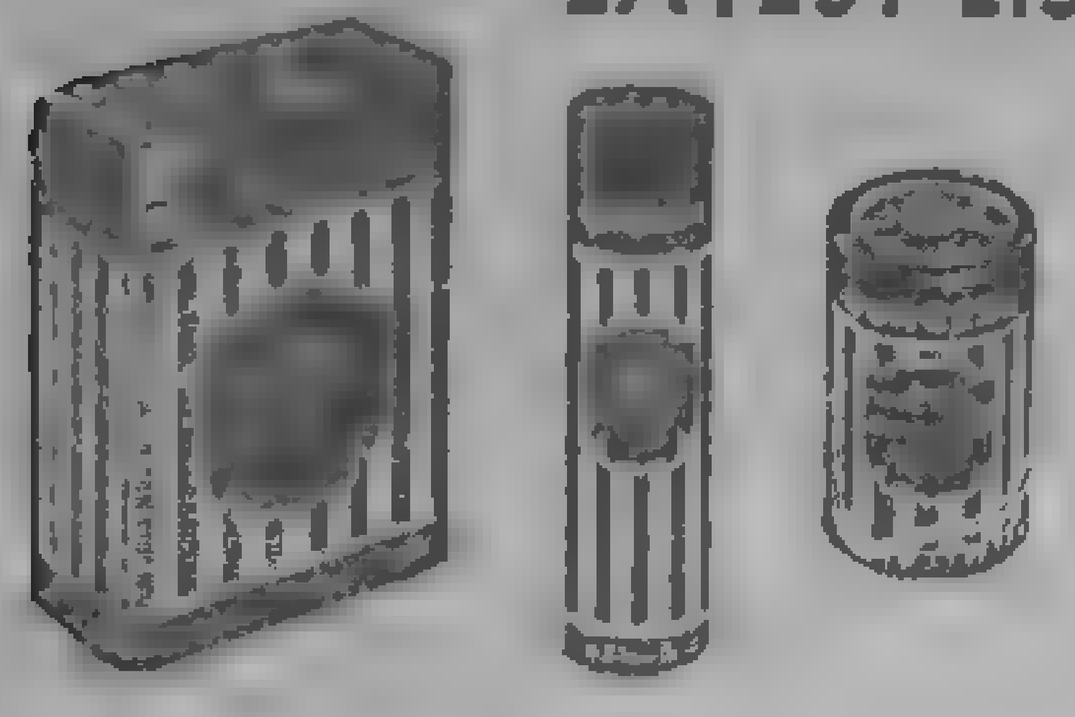
This extensive listing covers types for hundreds of industrial applications and virtually all portable radios in use today. If you cannot determine which batteries you require, give us the make and type number of the original batteries, plus the make and model number of your set. *Mercury batteries. §Other voltage taps: 1½, 3, 4½, 6. ‡ Other voltage taps: 3, 4½, 6, 9, 10½, 16½.



Stock No.	Mfr's Type	Std. Pkg.	List Price	Net Per Battery		Volts	Size	Wt. Per Batt., Lbs.	Replaces			
				Single Lots	Std. Pkg.				Burgess	Eveready	Philco	Zenith
PORTABLE "A" BATTERIES												
80 J 901	VS004	12	1.65	1.27	1.15	1½	4 1/16x2 5/8x2 5/8"	1½	4F	742	P94	Z94
80 J 902	VS009	12	1.65	1.28	1.16	6	2 21/32x2 21/32x4 3/16"	1½	F4P1	744	P4F4R	....
80 J 947	VS034A	24	.20	.14	.125	1½	9/16x2"	¼	Z	915	P15	Z8
80 J 948	VS035A	24	.20	.14	.125	1½	1x1 15/16"	¼	1	935	P903	Z7
80 J 903	VS036	24	.20	.14	.125	1½	1 5/16x2 3/8"	½	2R	950	P912	Z2NL
80 J 962	VS065	12	1.50	1.16	1.05	7½	3 1/16x2 5/16"	1¾	C5	717	P31	Z750
80 J 963	VS067	12	1.35	1.05	.95	4½	4x1 1/8x4 1/8"	1	F3	736	P38	Z736
80 J 965	VS068	12	1.00	.77	.70	6	1½x1½x2 3/8"	¼	Z4	724	....	....
80 J 966	VS069	12	1.20	.92	.84	1½	2 9/16x1 5/16x2 15/16"	¾	2D	720	....	....
80 J 967	VS072	6	1.35	1.05	.95	4½	3 5/16x1 11/32x2 15/16"	1	D3	726	....	Z450
80 J 904	VS073	24	.125	.09	.08	1½	7/16x1 3/16"	⅛	N	W463	....	N
80 J 897	VS074	12	.15	.10	.095	1½	19/32x1 23/32"	2	7	912	K	Z912
80 J 214	VS141	6	1.10	.85	.77	1½	2 19/32x1 11/32x4¼"	1	2F	W353	....	....
80 J 912	VS236	12	.45	.35	.32	1½	1 3/8x4 3/16"	½	21R	964	P77	Z5
80 J 294	VS315	6	1.50	1.16	1.05	7½	2 9/16x2 1/32x2 13/16"	1	D5	707	P26	Z707
PORTABLE "B" BATTERIES												
80 J 905	VS012	6	4.70	3.62	3.29	45	3 21/32x2 17/32x5 5/16"	3	B30	484	P305	....
80 J 906	VS013	6	3.85	2.97	2.70	45	3 19/32x1 27/32x5½"	2	M30	482	P15	Z783
80 J 907	VS014	5	3.55	2.74	2.49	45	3½x2¼x4 9/16"	1¾	A30	W359	P210	Z530
80 J 908	VS015	6	3.95	3.04	2.76	22½ 45	3x2 5/16x4 1/8"	1½	Z30	738	P104	....
80 J 909	VS016	6	3.50	2.70	2.45	67½	2 13/16x1 3/8x3 21/32"	1	XX45	467	P67	Z67
80 J 910	VS055	12	2.95	2.29	2.08	45	2 21/32x1x3 11/16"	¾	XX30	455	P105	Z455
80 J 889	VS082	6	3.45	3.10	2.82	67½	2½x1 3/8x2 13/16"	¾	K45	457	....	Z457
80 J 913	VS084	12	1.50	1.16	1.05	22½	1 1/32x5/8x2"	¼	U15	412	P612	Z12M
80 J 969	VS086	12	2.50	1.93	1.75	45	1 1/16x5/8x3 11/16"	¼	U30	415	P150	Z415
80 J 911	VS090	12	4.50	3.47	3.15	90	3 23/32x1 3/8x2 23/32"	1	N60	490	P132	Z490
80 J 968	VS217	6	4.15	3.47	3.15	75	1 15/16x1 13/32x6 25/32"	1	XX50	437	P141	Z437
80 J 999	VS218	6	3.10	2.39	2.17	67½	5 7/16x1x1 23/32"	1	P45	477	P149	Z477
80 J 984	VS219	6	3.95	3.05	2.77	90	1 31/32x1 1/32x7 15/32"	1	P60	479	P176	Z90
80 J 297	VS316	6	4.95	3.82	3.47	90	1 15/16x1 15/32x7 1/8"	1	N60X	495	P190	Z495
80 J 296	VS318	6	2.95	2.28	2.07	67½	1 11/32x6 1/16x3½"	1	UX45	416	P217	....
PORTABLE "AB" BATTERIES												
80 J 916	VS019	6	7.75	5.98	5.43	7½-9-90	9 3/16x2¾x4 3/8"	6	F6A60	753	P841A	Z979
80 J 920	VS047	6	8.25	6.36	5.78	9-90	13 5/32x2 23/32x4 7/16"	8	G6B60	752	P60B6F6	Z985
80 J 921	VS050	6	7.25	5.59	5.08	6-7½-75	8 5/8x2 7/16x3 11/16"	4	T5Z50	755	P350	....
80 J 933	VS057W	6	6.95	5.36	4.87	7½ 9 90	8 3/8x2 3/8x3 13/16"	4	T6Z60	756	P371	....
80 J 928	VS058	6	7.95	6.13	5.57	9-90	9¾x2¾x4 3/8"	5	F6A60P	757	....	Z909
80 J 888	VS059	6	7.45	5.74	5.22	9-90	9 5/8x2¼x3 25/32"	5	T6Z60P	727	....	Z962
80 J 896	VS060	6	6.90	5.32	4.83	7½-75	8 3/8x2 7/16x3 11/16"	3½	T5Z50P	785	....	Z775
80 J 929	VS064	6	6.25	4.82	4.38	1½ 90	7 19/32x2 7/32x3 25/32"	3¾	4TZ60	729	P364	....
TRANSISTOR BATTERIES												
79 J 774	VS149*	2	1.75	1.30	1.18	4	1 15/16x5/8"	⅛	....	E133	....	....
80 J 014	VS300A	12	1.35	1.05	.95	9	31/32x1 31/32"	⅛	P6M	226	....	Z226
80 J 991	VS301	12	2.50	1.94	1.76	3, 6, 9	8x1 9/16x2 13/16"	1-¼	D6P1	2506	....	....
80 J 837	VS304	12	1.50	1.16	1.05	9, 13½	1 11/32x1 1/32x2 11/16"	¼	XX9	239	....	....
80 J 838	VS305	12	1.85	1.43	1.30	9	1 13/32x1 11/32x3 13/16"	¼	2N6	246	P178	....
80 J 839	VS306	6	1.80	1.39	1.26	9	3 5/32x2 1/32x2 9/16"	1	D6	276	P88	Z276
80 J 842	VS309A*	12	1.95	1.51	1.37	9	1 29/32x9/16"	1/16	....	....	....	....
80 J 845	VS312*	12	2.25	1.74	1.58	8	1x1 19/32x1 5/16"	⅛	....	E146	P146	....
80 J 846	VS313*	4	.75	.56	.51	1.4	9/16x1 31/32"	1/16	HQ9	E9	....	Z9
80 J 298	VS321	12	2.75	2.12	1.93	4½	2 13/16x1¾x8 11/32"	3	....	2731	....	....
80 J 299	VS322	12	1.50	1.16	1.05	9	1 21/64x2 13/32"	½	M6	266	P1605	....
79 J 775	VS323	12	1.35	1.05	.95	9	1 13/16x1 1/32x1 1/16"	¼	2U6	216	P1604	....
81 J 053	VS334	4	.25	.17	.155	1½	9/16"x2"	⅛	930	1015	P15R	Z8
81 J 054	VS335	12	.25	.17	.155	1½	1x1 5/16"	⅛	130	635	P903	Z7
80 J 095	VS336	24	.25	.17	.155	1½	1 13/16x1 13/16x2 7/16"	1/5	230	A-100	P920	Z4NL
80 J 949	VS400*	10	2.65	1.98	1.80	4	1 31/32x1 1/32"	¼	H233	E233	P696	....
INDUSTRIAL BATTERIES												
80 J 870	VS006C	12	1.25	.92	.84	1½	2 5/8x6 11/16"	2¼	....	GL6	....	....
80 J 720	VS006S	12	1.25	.92	.84	1½	2 5/8x6 11/16"	2	61GN	61GN	P6	....
80 J 937	VS028	5	1.25	.97	.88	4½	2½x7/8x3 1/16"	½	5360	781	....	....
80 J 938	VS029	10	2.35	1.82	1.65	7½§	3 7/8x7/8x3"	1½	5540	773	....	....
80 J 942	VS039	4	4.98	3.68	3.34	6	10 3/8x2 7/8x7 3/8"	11	S461	1461	Po4	....
80 J 992	VS040C	12	1.19	.87	.79	6	2 11/16x2 11/16x4 5/16"	1¼	F4H	509	P4F	....
80 J 950	VS040S	12	1.19	.87	.79	6	2 11/16x2 11/16x4 3/16"	1¾	F4BP	510S	....	....
80 J 993	VS070	12	.85	.66	.60	1½	1 1/8x3 15/16"	½	8R	960P	....	Z1
80 J 890	VS083	12	1.15	.90	.81	15	1 1/32x5/8x1 15/32"	⅛	U10	411	....	Z11M
80 J 914	VS085	12	1.75	1.35	1.23	30	2 9/16x5/8x1 1/32"	¼	U20	413	....	Z13M
80 J 989	VS093	3	11.95	9.21	8.37	300	2 11/16x2 7/32x3 29/32"	1¼	U200	493	....	....
80 J 722	VS100	5	1.25	.96	.87	3	2 11/16x1 3/8x4 9/16"	1	F2BP	W352	....	....
80 J 986	VS101	5	1.25	.96	.87	1½	2 11/16x1 3/8x4 9/16"	1	2FBP	W354	....	....
80 J 951	VS102	5	2.35	1.77	1.61	22½	3 7/16x2 1/8x2¾"	1¼	4156	763	....	....
80 J 957	VS106	12	1.25	.93	.84	1½	2 11/16x2 11/16x4 3/16"	1½	4FH	735	....	....
80 J 952	VS112	5	4.35	3.36	3.05	22½-45	4 1/8x2 9/16x5½"	3¼	5308	W376	....	....
80 J 988	VS114	5	3.85	2.96	2.69	22½-45	3x1 29/32x5 3/32"	2	Z30NX	W350	....	....
80 J 953	VS130	5	1.90	1.46	1.33	1½-3-4½	3 31/32x1 11/32x3 1/16"	1	2370ST	761T	....	....
80 J 960	VS131	4	4.45	3.43	3.12	22½‡	4 1/8x2 9/16x3 7/16"	2	5156SC	778	....	....
80 J 987	VS133	10	1.02	.75	.68	4½	2½x7/8x3 1/16"	½	532	703	....	....
81 J 056	VS147*	4	.45	.33	.30	1¼	39/64x15/64"	⅛	....	E630	....	....

Burgess Portable Radio Batteries

LATEST LISTINGS FOR PORTABLE RADIO BATTERIES



- Power-Packed for Best Portable Reception
- Assure Longer-Lasting Listening Pleasure
- Always a Fresh Supply at Allied

Most portable batteries are listed below. We can supply additional replacements if make and models to be replaced are known. *Mercury cell.

PORTABLE "A" BATTERIES

Stock No.	Mfr's Type	Std. Pkg.	List Price	Net Per Battery: In Single Lots	Net Per Battery: In Std. Pkg.	Volts	Size	Wt., Per Battery, Lbs.	Replaces Battery Types: Eveready	RCA	Philco	Zenith
53 J 029	1	12	$0.20	.14	.13	1½	1 15/16x63/64" dia.	¼	935	VS035A	P903	Z7
53 J 069	2D	1	1.20	....	.84	1½	2 9/16x1 9/32x2 31/32"	¾	720	VS069	....	....
53 J 000	2F	1	1.10	....	.77	1½	2 19/32x1 3/8x4¼"	¾	W353	VS141	. .	.
53 J 001	2F4	1	3.90	....	2.73	6	4x2 13/16x5 7/16"	2½	718	VS010	....	....
53 J 063	2R	48	.20	.14	.13	1½	2 25/64x1 21/64" dia.	¼	950	VS036	P920	Z2NL
80 J 641	21R	12	.45	.35	.32	1½	4 1/8x1 21/64" dia.	½	964	VS236	P77	Z5
53 J 049	37	1	.98	....	.65	1½	6 1/8x1 5/16" dia.	¼	...	.....	....	....
53 J 003	4F	6	1.65	1.27	1.15	1½	2 5/8x2 5/8x4 3/32"	1½	742	VS004	P94	Z94
53 J 045	5R	12	.20	.14	.13	1½	2 15/64x4 9/64" dia.	¾	...	.....	....	....
80 J 629	6F	1	2.75	....	1.93	1½	4 3/32x2¾x4 1/16"	2¼	743	VS007	P96	Z96
53 J 006	8F	1	3.45	....	2.42	1½	3 29/32x2 23/32x5½"	3	741	.....	....	....
53 J 046	8R	12	.85	.66	.60	1½	3 15/16x1 3/32" dia.	¼	960P	VS070	....	Z1
53 J 047	9R	12	.17	.13	.12	1½	1 63/64x35/64" dia.	¼	1015E	.....	....	....
53 J 042	B5	1	2.25	....	1.58	7½	3 29/32x7/8x2 27/32"	½	713	VS129	....	....
53 J 043	C5	6	1.50	1.16	1.05	7½	2 7/32x1 15/16x3 1/32"	¾	717	VS065	P31	Z750
53 J 070	D3	6	1.35	1.05	.95	4½	3 7/8x1 5/16x2 15/16"	¾	726	VS072	....	Z450
80 J 624	F3	6	1.35	1.05	.95	4½	4x1 7/16x4 1/8"	1¼	736	VS067	P38	Z736
53 J 011	F4PI	6	1.65	1.28	1.16	6	2 21/32x2 21/32x4 1/8"	1½	744	VS009	P4F4R	....
53 J 013	G3	6	1.50	1.16	1.05	4½	4 1/16x1 7/8x4 11/16"	1¼	746	VS002	P100	Z83A
53 J 106	Hg-3*	4	.80	.59	.54	1.345	21/32x31/32" dia.	1/8	E3	Equivalent to Mallory RM3R		
79 J 776	Hg502*	12	.95	.68	.62	1.34	1 31/32x17/32" dia.	1/10	...	Equivalent to Mallory RM502R		
53 J 071	T5	3	1.90	1.45	1.32	7½	2 17/32x2 19/32x3 29/32"	1½	W360	.....	....	....
80 J 625	Z4	1	1.00	....	.70	6	1 3/16x1 3/16x2 7/32"	¼	724	VS068	....	....

PORTABLE "B" BATTERIES

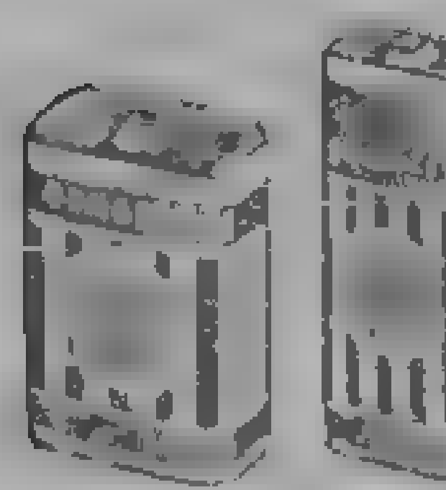
Stock No.	Mfr's Type	Std. Pkg.	List Price	Net Per Battery: In Single Lots	Net Per Battery: In Std. Pkg.	Volts	Size	Wt., Per Battery, Lbs.	Replaces Battery Types: Eveready	RCA	Philco	Zenith
80 J 535	A30	2	3.55	2.74	2.49	45	3 9/16x2¼x4 5/16"	1¾	W359	VS014	P210	Z530
80 J 536	B30	2	4.70	3.62	3.29	45	4 1/16x2 17/32x5 5/16"	2¼	484	VS012	P305	....
80 J 631	K45	6	3.45	2.66	2.42	67½	2 11/16x1 5/16x2¼"	½	457	VS082	....	Z457
80 J 546	M30	1	3.85	....	2.70	45	5½x1¾x3 9/16"	2	482	VS013	P45	Z783
80 J 632	N60	6	4.50	3.47	3.15	90	3 11/16x1 9/32x3 19/32"	1	490	VS090	P132	Z490
80 J 693	N60X	1	4.95	....	3.47	90	1 7/8x1 11/32x7 1/8"	1 1/8	495	VS316	P190	Z495
80 J 642	P45	6	3.10	2.39	2.17	67½	1 29/32x1x5 9/32"	¾	477	VS218	P149	Z477
80 J 645	P45M	6	4.00	3.03	2.75	67½	1 29/64x1x5 9/32"	¾	...	VS215	P175	....
80 J 665	P60	6	3.95	3.05	2.77	90	1 29/32x1x7 13/32"	1	479	VS219	P176	Z90
80 J 646	U30	1	2.50	....	1.75	45	1 3/32x1 9/32x3 17/32"	¼	415	[illegible]	[illegible]	Z415
80 J 692	UX45	1	2.95	....	2.07	67½	1 7/32x3 1/32x3 31/32"	½	416	VS318	P217	....
80 J 539	W30PI	1	3.33	....	2.33	45	2 31/32x1 7/32x3 29/32"	¾	733	.....	....	....
80 J 545	XX30	6	2.75	2.11	1.92	45	2 17/32x3 1/32x3 21/32"	¾	455	VS055	P105	Z455
80 J 544	XX45	6	3.50	2.70	2.45	67½	2¾x1 11/32x3 43/64"	¾	467	VS016	P67	Z67
80 J 613	XX50	6	4.50	3.47	3.15	75	1 27/32x1 5/16x6 5/16"	1¼	437	VS217	P144	Z437
80 J 588	XX69	1	6.57		4.60	103½	1 11/32x1 11/32x11 23/32"	1¼	W361	.....	....	....
80 J 537	Z30	2	3.95	3.04	2.76	45	3x2 5/16x4 1/16"	1½	738	VS015	P104	....

PORTABLE "AB" PACKS

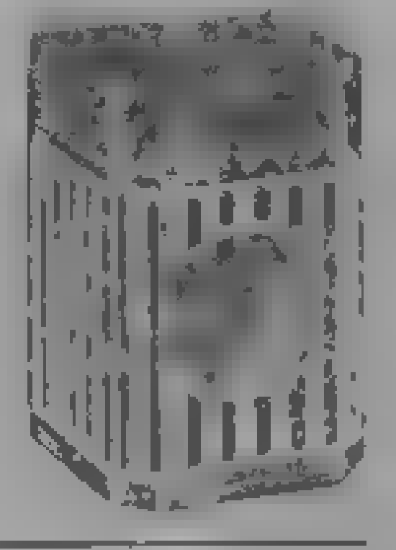
Stock No.	Mfr's Type	Std. Pkg.	List Price	Net Per Battery: In Single Lots	Net Per Battery: In Std. Pkg.	Volts	Size	Wt., Per Battery, Lbs.	Replaces Battery Types: Eveready	RCA	Philco	Zenith
80 J 551	4GA42	1	8.80	....	6.16	1½, 63	9 1/16x2 1/8x4¾"	4	W366	VS053	P41A4FL	....
80 J 676	4TZ60	1	6.25	....	4.38	1½, 90	7 5/8x2 1/8x3¾"	4	729	VS061	P364	....
80 J 555	6TA60	1	7.85	....	5.48	1½, 90	9 31/32x2¼x4 7/16"	4½	W369	VS054	....	....
80 J 584	F6A60	1	7.75	....	5.43	7½, 9, 90	9 5/16x2 21/32x4 5/16"	6	753	VS019	P841A	Z979
80 J 616	F6A60P	1	7.95	....	5.57	9, 90	9 7/16x2¾x4 11/32"	6½	757	VS058	....	Z909
80 J 570	G6B60	1	8.25	....	5.78	9, 90	13 29/32x2 13/16x4 21/32"	7	752	VS047	P60B6F6	Z985
80 J 585	G6M60	1	9.45	....	6.62	7½, 9, 90	10 3/16x3 1/8x4 1/32"	6	754	VS018	....	....
80 J 615	T5Z50	1	7.25	....	5.08	6, 7½, 75	8½x3 11/32x2 3/8"	4	755	VS050	P350	....
80 J 675	T5Z50P	1	6.90	....	4.83	7½, 75	8½x3 11/32x2 3/8"	3½	785	VS060	....	Z775
80 J 614	T6Z60	1	6.95	....	4.87	7½, 9, 90	2 3/16x8 15/16x3 13/16"	4½	756	VS057W	P371	....
80 J 643	T6Z60P	1	7.45	....	5.22	9, 90	2 3/16x8 15/16x3 13/16"	4½	727	VS059	.	Z962

PORTABLE BATTERIES FOR TRANSISTOR RADIOS

Stock No.	Mfr's Type	Std. Pkg.	List Price	Net Per Battery: In Single Lots	Net Per Battery: In Std. Pkg.	Volts	Size	Wt., Per Battery, Lbs.	Replaces Battery Types: Eveready	RCA	Philco	Zenith
53 J 089	130	12	.25	.17	.155	1½	1 15/16x63/64" dia.	¼	635	VS335	P903	Z7
80 J 684	2N6	1	1.85	....	1.30	9	2¾x1 3/8x1 3/8"	¼	246	VS305	P178	...
80 J 664	2U6	1	1.35	....	.95	9	1 7/8x39/64x1"	¼	216	VS312	...	....
53 J 096	2Z3	1	1.59	....	1.11	4½	1 3/8x1 3/8x2¾"	3/8	243	VS324	...	....
78 J 243	7	12	.15	.10	.095	1½	1¾x16/32" dia.	1/8	912	VS074	K	Z912
53 J 090	230	24	.25	.17	.155	1½	2 25/64x1 21/64" dia.	1/5	A100	VS336	P920	Z2NL
53 J 091	930	12	.20	.14	.13	1½	1 31/32x35/64" dia.	1/10	1015E	VS034	P15	Z8
80 J 690	A4	1	1.00	....	.69	6	2 11/32x1 9/32x1 9/32"	¼	...	.....	...	...
80 J 694	C6X	1	1.60	....	1.10	9	2 5/16x1 1/32x6 1/16"	¾	2356	.....	....	...
53 J 087	D5	1	1.50	....	1.05	7½	2 9/16x2x2 23/32"	7/8	707	VS315	P26	Z707
80 J 666	D6	1	1.80	....	1.26	9	3 5/32x2x2 9/16"	1	276	VS306	P88	Z276
80 J 691	D6PI	1	2.50	....	1.76	3, 6, 9	7 27/32x1 7/16x2 19/32"	1½	2506	VS301	....	....
53 J 093	D6S	1	1.50	....	1.05	9	2¼x1¼x7 29/32"	1 1/8	[illegible]	.....	....	....
53 J 105	H233*	1	2.65	....	1.80	4.035	1 31/32x1 1/32" dia.	3/8	E233	VS400	P696	..
79 J 777	Hg9*	12	.75	.56	.51	1.4	1 31/32x17/32" dia.	1/10	E9	Equivalent to Mallory ZM-9		
J 092	M6	1	1.50	....	1.05	9	1 11/16x1 13/16x2 7/16"	2/5	266	VS322	P1605	...
J 689	NE	48	.125	.09	.08	1½	1 11/64x7/16" dia.	¼	...	.....	....	...
J 086	P6	1	1.10	....	.77	9	31/32x31/32x1 31/32"	¼	226	.....	....	..
J 088	P6M	1	1.35	....	.93	9	31/32x31/32x1 63/64"	1/8	...	VS300	P91	Z266
J 679	XX9	1	1.50	....	1.05	9, 13½	[illegible]x2 17/32"	¼	239	VS304	....	.



BATTERIES FOR ALL PURPOSES



If you do not find the battery you need in this listing, write us. Give the make and type of both battery and set. We'll supply an equivalent battery.

"FEATHERWEIGHT" "B" BATTERIES—INCLUDING HEARING AID TYPES

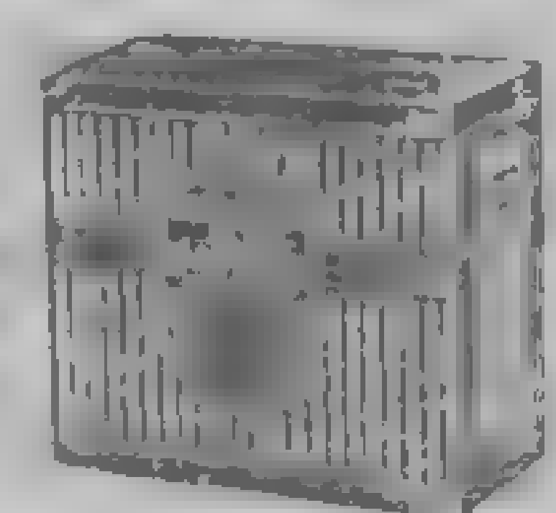
Stock No.	Mfr's Type	Std. Pkg.	List Price	NET EA. Std. Pkg.	Volts	Size	Shpg. Wt., Oz.	Replaces Zenith	Replaces Sonotone	Replaces Eveready	Replaces Acousticon
53 J 072	XX15	1	$1.95	1.37	22½	1 11/16x15/16x3 7/16"	4	..	. .	425P	221EW
53 J 073	XX22	1	2.45	1.72	33	2 17/32x31/32x3⅛"	6			133P	331EW
53 J 074	XX30PI	1	3.00	2.10	45	2 17/32x31/32x4 1/32"	12	Z30	230	155P	451EW
53 J 094	K-10	1	1.65	1.16	15	1¼x⅞x1 17/32"	2	. . .	. . .	417	. .
53 J 095	K-15	1	1.75	1.23	22½	1¼x⅞x2 9/32"	2			420	
53 J 075	K20	1	2.15	1.51	30	2 21/32x13/16x1¼"	3	....	....	450	
53 J 076	U10	1	1.15	.81	15	1x39/64x1 7/16"	2	Z11M	211	411	711G
53 J 077	U15	1	1.50	1.05	22½	1x39/64x1 31/32"	2	Z12M	212	412	712H
53 J 078	U20	1	1.75	1.23	30	1x39/64x2 17/32"	2	Z13M	213	413	713G
53 J 080	Y10	1	1.15	.81	15	19/32x19/32x1 33/64"	3	Z5M	Z5	504	715G
53 J 081	Y15	1	1.50	1.05	22½	19/32x19/32x1 31/32"	3	Z6M	Z6	505	722G
53 J 079	Y20	1	1.85	1.30	30	19/32x1 3/16x2 13/16"	3	....	Z7	506	. . .
53 J 084	Y20S	1	1.85	1.30	30	19/32x19/32x2 9/16"	3	....	....	507	

TYPE 2U6—FOR TRANSISTOR PORTABLE RADIOS

Fits Most Japanese-Import Models

Nine volt transistor portable battery that is physically and electrically equivalent to the following American-made batteries: **Eveready 216; RCA VS-323; NEDA 1604; Ray-O-Vac 1604; Mallory M1604; General 179; Western Auto 3B6469; Marathon 1604; Montgomery Ward 123; Sears 6417; Zenith 216.** Also fits most Japanese imports. 1⅞x39/64x1". Wt., 2 oz.
80 J 664. List, $1.35. **NET** **95c**

STANDARD DRY BATTERIES



Suitable for all radio and laboratory requirements. Burgess quality construction and insulators allow use of very active ingredients, providing maximum useful life. Letters following battery type numbers denote terminals: PI — plug in terminals; SC — spring clip terminals. All others have screw terminals.

"A" BATTERIES

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	Std. Pkg.	NET EACH Single Lots	NET EACH Std. Pkg.
80 J 621	2BBP	1½	1 19/32x1 17/32x2 11/16"	¼	6	1.28	1.16
53 J 017	2F2H	3	[illegible]	1½	5	1.19	1.08
53 J 037	2F2BP	3	[illegible]	1½	1		2.23
53 J 036	2FBP	1½	2 21/32x1⅝x4 1/32"	1	5	.87	.79
80 J 604	2Z2PI	3	[illegible]	¼	12	.75	.68
53 J 038	422	3	[illegible]	¼	10	.63	.57
53 J 035	432	1½	[illegible]	¼	10	.73	.66
53 J 023	44	1½	[illegible]	¾	1	......	.95
53 J 085	532	4½	[illegible]	¼	1		.68
80 J 591	B2BP	3	[illegible]	¼	6	1.03	.94
53 J 018	F2BP	3	[illegible]	1	5	.87	.79
53 J 016	F4BP	6	[illegible]	1½	1	......	.79

"B" BATTERIES

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	Std. Pkg.	NET EA. Sgl. Lots	NET EA. Std. Pkg.
80 J 504	10308PI	45	[illegible]	11½	1		[illegible]
80 J 505	10308SC	45	[illegible]	11¾	1		[illegible]
80 J 501	21508SC	45	[illegible]	15	1		[illegible]
80 J 507	2308SC	45	[illegible]	8	1		[illegible]
80 J 510	4156	22½	[illegible]	1	1		[illegible]
80 J 511	5156PI	22½	[illegible]	1¼	1		3.12
80 J 512	5156SC	22½	[illegible]	1¾	5	3.43	3.12
80 J 508	5308	45	4 1/16x2 7/16x5⅜"	3	1	......	3.05
80 J 626	U-200	300	2¾x2 9/32x3⅞"	1	1	......	8.37
53 J 097	D30	45	5 1/16x2 1/32x[illegible]	4½	1	......	3.47
53 J 098	Z30T	45	3x2 5/16x4⅛"	1½	1	......	2.62
80 J 519	W30BPX	45	3x1¼x3 25/32"	¾	1	......	2.49
80 J 524	Z30NX	45	[illegible]	1½	5	2.96	2.69
80 J 634	Z60BP	90	[illegible]	2¼	1		8.90

"C" BATTERIES

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	Std. Pkg.	NET EA. Sgl. Lots	NET EA. Std. Pkg.
80 J 593	2370	4½	[illegible]	¾	5	1.46	1.33
80 J 513	2370PI	4½	[illegible]	1	5	1.74	1.58
80 J 515	5360	4½	[illegible]	¼	10	.97	.88
80 J 514	5540	7½	[illegible]	½	5	1.82	1.65
80 J 623	A9BP	13½	[illegible]	½	1		2.94
80 J 516	B5P	7½	[illegible]	¾	1		2.63
80 J 521	W5BP	7½	[illegible]	¼	6	1.62	1.47

SPECIAL PURPOSE TAPE RECORDER BATTERIES

Extremely compact, highly dependable batteries. Designed specially for use in pocket tape recorders. *Flat contact. †Snap type.

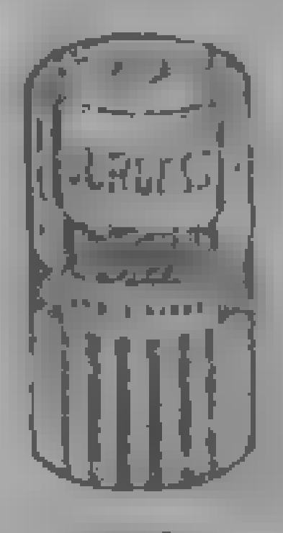
Stock No.	Mfr's Type	Volts	Size	Wt., Lbs.	NET EACH
53 J 099	2X62X†	1½, 9	[illegible]	½	1.82
53 J 100	2X7†	10½	[illegible]	½	1.82
53 J 101	3XX7*	10½	1⅝x1 9/32x3⅝"	½	2.00

FLASHLIGHT BATTERIES

Chrome protected. Types 2 and 210 cells sealed in steel—all others sealed in plastic and steel. Type 1—for baby tubular flashlights; Types 2 and 210—for standard flashlights; Type Z—for standard penlights; Type 7—for slim penlights; Type N—for miniature and novelty lights.
*Heavy-duty type—last up to 2½ times longer than No. 2 cells. Av. wt., 5 oz.

1

2



210

Stock No.	Mfr's Type	Size	Std. Pkg.	LIST	NET EACH Sgl. Lots	NET EACH Std. Pkg.	REPLACES Eveready	REPLACES Rayovac
53 J 029	1	1 15/16x[illegible]	12	.20	.14	.13	935	1LP
53 J 009	2	2⅜x1[illegible]	48	20	.14	.13	950	2LP
78 J 243	7	1¾x[illegible]	12	15	.10	.095	912	400
79 J 753	210*	2⅜x1[illegible]	50	.25	.17	.155	1050	3LP
53 J 082	N	1 11/64x[illegible]	12	125	.09	.08	904	[illegible]
53 J 031	Z	[illegible]	12	15	.10	.095	915	7P

IGNITION, TELEPHONE AND ALARM BATTERIES

Designed for emergency illumination, portable lighting, alarm systems. Used by railroads, police, fire departments and emergency crews. Dependable, leakproof metal container. Types 4F2H and 4FH recommended for general ignition, telephone and lantern service, etc.

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	Std. Pkg.	NET EACH Sgl. Lots	NET EACH Std. Pkg.
53 J 024	4FH	1½	2⅝x2⅝x4⅝"	1½	12	.92	.84
53 J 027	4F2H	3	3 11/16x2 11/16x5 13/16"	2¾	1	. . .	1.45
53 J 025	4F4H	6	[illegible]x2 11/16x5 13/16"	6¼	1	. . . .	3.34
80 J 601	4F5H	7½	7 5/16x3 31/32x5 13/16"	7½	1	. .	4.86
53 J 033	4F6H	9	8½x3 31/32x5 13/16"	9	1	......	5.53
80 J 638	6 Ign	1½	2½x6⅝"	2	12	.92	.84
80 J 639	6 Tel.	1½	2½x6⅝"	2½	12	.92	.84
80 J 644	6-Ign.	1½	2½x6⅝"	2	12	.99	.90
80 J 640	S461	6	10½x2¾x7 13/16"	8½	6	3.67	3.34

LANTERN BATTERIES

For use with railroad-type lanterns. Type F4H has positive coilspring contacts—a favorite of railroadmen. Type TW1S for underwater use.

Stock No.	Mfr's Type	Volts	Size	Wt., Lbs.	Std. Pkg.	NET EACH Single	NET EACH Pkg.
53 J 027	4F2H	3	3 31/32x2 11/16x5 13/16"	2¾	1	. .	1.45
53 J 028	F4H	6	2⅝x2⅝x4⅝"	1½	12	.87	.79
53 J 016	F4BP	6	2⅝x2⅝x4"	1½	1	. . . .	.79
53 J 103	F4SC	6	2⅝x2⅝x4⅓"	1½	1	......	.79
80 J 680	TW1	6	5⅜x2⅞x4 15/16"	3¼	1	. . . .	1.83
53 J 104	TW1S	6	5⅜x2⅞x4 15/16"	3¼	1	. . . .	2.05
79 J 753	TW2	12	5⅜x2⅞x4 15/16"	3¼	1	. . . . .	1.83

PHOTO-FLASH BATTERIES

§Designed for high initial current discharge.

Stock No	Mfr's Type	Volts	Size	Std Pkg.	Shpg. Wt.	NET EACH Single	NET EACH Pkg.	Replaces Eveready
53 J 040	120§	1½	1 5/16x1"	12	4 oz.	.18	.16	835
53 J 039	220§	1½	2 25/64x1 11/32"	12	6 oz.	.18	.16	850
53 J 041	920§	1½	1 31/32x35/64"	24	4 oz.	.14	.13	815
53 J 070	D3	4½	3⅞x1 5/16x2 15/16"	6	¼ lb.	1.05	.95	720
80 J 631	K45	67½	2 11/16x1 5/16x2¼"	6	½ lb.	2.66	2.42	457
80 J 546	M30	45	3 9/16x1¾x5½"	1	2 lbs.	....	2.70	482
80 J 681	N150	225	3 9/16x2¾x4¾"	1	1½ lbs.	....	5.56	492
80 J 632	N60	90	3 11/16x1 9/32x3 19/32"	6	1 lb.	3.47	3.15	490
53 J 076	U10	15	1x39/64x1 7/16"	1	2 oz.	......	.81	411
80 J 678	U160	240	2 9/16x1 5/16x4 13/32"	1	¾ lb.		5.56	491
53 J 078	U20	30	1 39/64x2 17/32"	1	2 oz		1.23	413
80 J 626	U200	300	2¾x2 9/32x3⅞"	1	1 lb.		8.37	493
80 J 682	U320	510	2 15/16x1 17/32x5 7/16"	1	2½ lbs.	.	11.16	497
80 J 677	XX150	225	4¼x2⅝x4¼"	1	2½ lbs		6.96	454
80 J 544	XX45	67½	2¾x1 11/32x3 43/64"	6	¾ lb.	2.70	2.45	467
53 J 080	Y10	15	19/32x19/32x1 23/64"	1	3 oz.	. . .	.81	504
53 J 081	Y15	22½	19/32x19/32x1 31/32"	1	3 oz		1.05	505

FARM RADIO PACKS

Stock No.	Mfr's Type	Volts	Size	Wt., Lbs.	NET EACH
80 JX 572	17GD60	1½, 90	15[illegible]x4⅜x7 1/16"	20	7.95
80 J 636	S6D60	7½, 9, 90	9⅞x4⅜x7 13/16"	17	10.47

Batteries — Mercury and Rechargeable

MALLORY MERCURY TRANSISTOR RADIO BATTERIES

Assure peak performance of portable radios. Feature uniform discharge voltage, exceptionally long storage life. As new mercury batteries become available from the manufacturer, Allied will stock them. Av. shpg. wt., 2 oz.

Stock No.	Mallory Type	Std. Pkg.	NET PER BATTERY		Volts	Size (Dia. x Ht.)	Replaces				
			Single Lots	Std. Pkg.			Eveready	Burgess	RCA	Philco	Zenith
80 J 727	ZM-9	2	.56	.51	1.4	½x1 31/32"	E9	HG9	VS-313	P9	Z9
80 J 749	DM-9N	2	.59	.54	1.4	½x1 31/32"	E9N	....		....	....
79 J 761	TR-133	10	1.30	1.18	4.2	21/32x2"	E133	....	VS-110	....	....
80 J 785	TR-146	12	1.74	1.58	8.4	1x½x1⅞"	E146	....	VS-312	P146	Z216
79 J 758	TR-164	10	1.49	1.35	5.6	21/32x1 25/32"	E164	....	VS-161	....	....
79 J 759	TR-175	10	1.12	1.02	7.0	½x1 1/32"	....	....		....	....
79 J 760	TR-177	12	1.51	1.37	9.8	½x1¾"	E177	....	VS-300A	....	....
80 J 849	TR-233	10	1.98	1.80	4.2	1x2"	E233	....	VS-400	P696	....
79 J 755	RM-42	10	2.48	2.25	1.4	1 13/64x2⅜"	E42	....	....		....
79 J 756	RM-630	40	.33	.30	1.4	⅝x¼"	E630	....	VS-117	P630	....
79 J 757	RM-640	20	.35	.32	1.4	⅝x7/16"	E640	....	VS-150	P640	....

MALLORY MERCURY BATTERIES

Extremely long shelf life and uniform discharge voltage. Suffix T of RM batteries indicates ½" tab on negative terminal; T2 indicates two tabs. TR batteries are transistor powerpaks with self-venting construction to relieve any excessive gas which may form. Powerpaks are widely used by designers and manufacturers of all types of electronic equipment. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Volts	Size Body x Lgth.	Std. Pkg.	PER BATTERY	
					Sgl. Lots	Std. Pkg.
79 J 762	RM1	1.4	⅝x 2 1/32"	40	.42	.38
80 J 878	RM1R	1.35	⅝x 2 1/32"	4	.42	.38
79 J 721	RM1RT	1.35	⅝x 2 1/32"	4	.47	.43
79 J 722	RM1RT2	1.35	⅝x 2 1/32"	4	.53	.48
80 J 879	RM3R	1.35	1x 2 1/32"	4	.62	.56
80 J 880	RM4R	1.35	1⅕x 2 1/32"	4	.79	.72
80 J 740	RM4RT	1.35	1 3/16x1 1/16"	4	.85	.77
79 J 723	RM4Z	1.4	3/16x½"	4	.64	.58
79 J 763	RM12	1.4	⅝x1 61/64"	10	.90	.82
80 J 881	RM12R	1.35	⅝x 61/64"	2	.90	.82
79 J 724	RM12RT	1.35	⅝x 61/64"	2	.96	.87
79 J 764	RM12RT2	1.35	1 61/64x⅝"	10	1.01	.92
80 J 784	RM42R	1.35	1 13/64x2⅜"	10	2.48	2.25
80 J 742	RM42RT	1.35	1 3/16x2⅜"	10	2.53	2.30
79 J 725	RM42RT2	1.35	1 3/16x2⅜"	10	2.59	2.35
80 J 743	RM400R	1.35	15/32x⅛"	6	.28	.25
80 J 884	RM401R	1.35	15/32x1⅛"	2	.40	.36
79 J 765	RM411	14.0	1x1 9/32x1 13/32"	1	....	2.50
79 J 766	RM412	22.4	1x1 9/32x1 15/16"	1	....	3.50
79 J 767	RM413	28.0	1x1 9/32x2½"	1	....	4.50
79 J 768	RM415	42.0	1 1/16x9/16x3½"	1	....	6.50
80 J 744	RM450R	1.35	15/32x½"	4	.36	.33
80 J 882	RM502R	1.35	½x2"	2	.68	.62
80 J 745	RM601R	1.35	⅝x1 5/32"	2	.72	.65
80 J 746	RM625R	1.35	39/64x15/64"	4	.33	.30
80 J 883	RM625RT	1.35	39/64x15/64"	4	.39	.35
79 J 726	RM625RT2	1.35	39/64x15/64"	4	.44	.40
79 J 720	RM630R	1.35	⅝x¼"	40	.33	.30
80 J 748	RM640R	1.35	⅝x7/16"	4	.33	.30
79 J 769	RM640RT2	1.35	7/16x⅝"	20	.46	.42
80 J 148	RM675	1.4	29/64x13/64"	6	.29	.26
80 J 789	TR-113R	4.05	21/32x27/32"	2	1.42	1.29
80 J 790	TR-114R	5.4	21/32x1"	2	1.65	1.50
79 J 770	TR-114RT2	5.4	1 1/16x3/16"	10	1.76	1.60
80 J 728	TR-115R	6.75	21/32x1 9/32"	2	1.80	1.64
80 J 729	TR-132R	2.7	21/32x1 5/16"	2	.92	.84
80 J 730	TR-133R	4.2	21/32x2"	2	1.30	1.18
80 J 731	TR-134R	5.4	21/32x2⅝"	2	1.68	1.53
80 J 732	TR-135R	6.75	21/32x3¼"	2	2.04	1.85
80 J 733	TR-136R	8.1	21/32x3 29/32"	2	2.53	2.30
80 J 735	TR-152R	2.7	½x1 7/32"	2	.79	.72
80 J 791	TR-153R	4.05	½x1 23/32"	2	1.01	.92
80 J 792	TR-162R	2.7	23/32x2 9/32"	2	.96	.87
79 J 771	TR-163	4.2	21/32x1 5/16"	10	1.21	1.10
80 J 793	TR-163R	4.05	21/32x1 15/16"	2	1.21	1.10
80 J 794	TR-164R	5.6	21/32x1 25/32"	2	1.49	1.35
79 J 772	TR-165	7.0	21/32x2 3/16"	10	1.80	1.64
80 J 795	TR-165R	6.75	21/32x2 3/16"	2	1.80	1.64

SONOTONE RECHARGEABLE BATTERY

Recharges in any AC outlet . . . charges overnight

- Replaces 2 "D" Batteries
- Provides Power for Years
- Cannot Be Overcharged

Model FC-2. Rechargeable flashlight battery that can be used in place of 2 "D" cells. Built-in, overnight charger—plugs into any 110 v. AC wall outlet. Powers PR-2 bulb for 55 minutes. Leakproof. Cannot overcharge. 1⅜x4 13/16". 8 oz.

78 J 202. 4-35, EACH....5.20 1-3, EACH............5.57

Model FC-3. As above, but for heavy-duty use. Will power a PR-2 bulb continuously for 2 hours without recharge. Shpg. wt., 10 oz.

78 J 203. 4-35, EACH......6.47 1-3, EACH............6.97

MALLORY GRID BIAS CELLS

For biasing first audio amplifier tubes. No by-pass to ground needed. Stack with clips listed at right. 11/64x39/64". Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Volts	List	EACH
9 M 948	BC-3	1½	60c	40c
9 M 949	BC-5	1¾	60c	

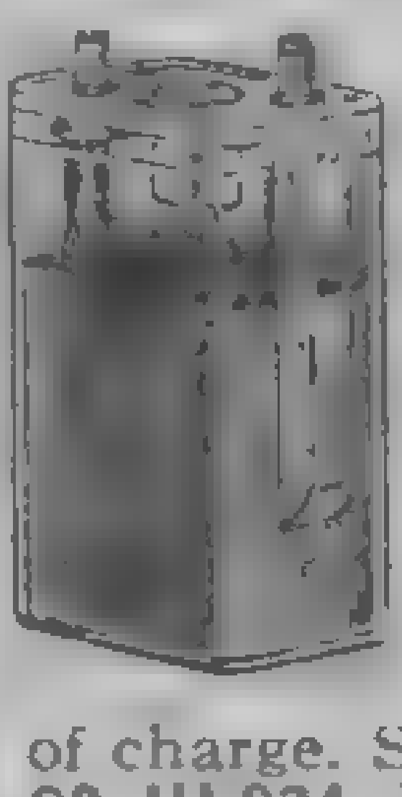
BURGESS NICKEL-CADMIUM BATTERIES

High energy, compact, sealed nickel-cadmium batteries and cells. Long-lasting, economical power—may be recharged many times. Unaffected by idle periods. *Supplied with solder lug terminals. Others with pressure contacts. †10 hour rate (ma). Sealed in steel. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Volts	Size (Dia. x Ht.)	†Discharge Current	NET EACH
79 J 727	CD1	1.22	29/64x7/32"	2	1.00
79 J 728	CD2	1.22	39/64x15/64"	5	.70
79 J 729	CD3	1.22	63/64x9/32"	15	.78
79 J 730	CD3L*	1.22	63/64x19/64"	15	.87
79 J 731	CD4	1.22	63/64x11/32"	22	.83
79 J 732	CD4L*	1.22	63/64x⅜"	22	.97
79 J 733	CD5	1.22	1 45/64x19/64"	45	1.47
79 J 734	CD5L*	1.22	1 7/10x21/64"	45	1.55
79 J 735	CD6	1.20	9/16x1 61/64"	45	1.93
79 J 736	CD6L*	1.20	9/16x2 9/32"	45	1.93
79 J 737	CD7	1.20	1 19/64x2 27/64"	250	3.50
79 J 738	CD7L*	1.20	1 19/64x2 25/32"	250	3.50
79 J 750	CD8	1.25	63/64x15/64"	10	.75
79 J 751	CD8L*	1.25	63/64x¼"	10	.85
79 J 752	CD9	1.25	35/64x3 11/16"	90	3.25
79 J 739	CD21	6.1	1 1/16x1 17/32"	15	5.00
79 J 740	CD22	6.1	1 1/16x1 31/32"	22	5.25
79 J 741	CD23	6.1	1 51/64x1 23/32"	45	10.15
79 J 742	CD24	9.7	1 1/16x2 21/32"	15	8.15
79 J 743	CD25	9.7	1 1/16x3 7/64"	22	8.50
79 J 744	CD26	9.7	1 51/64x2 37/64"	45	15.85
79 J 745	CD27	12.2	1 1/16x2 59/64"	15	9.80
79 J 746	CD28	12.2	1 1/16x3 19/32"	22	10.65
79 J 747	CD29	12.2	1 51/64x3 7/64"	45	19.50
79 J 748	CD30	6.0	1½x1½x3 13/16"	90	18.46
79 J 749	CD31	6.0	3 13/16x1 17/32x3⅝"	150	29.62

Sencore Transi-Pak PS103. 0-24 v. DC power supply for charging CD batteries. 5x4⅕x2¼". For 110-120 v., 60 cycle AC. 2 lbs.
83 F 985. NET 19.55

WILLARD RECHARGEABLE BATTERIES



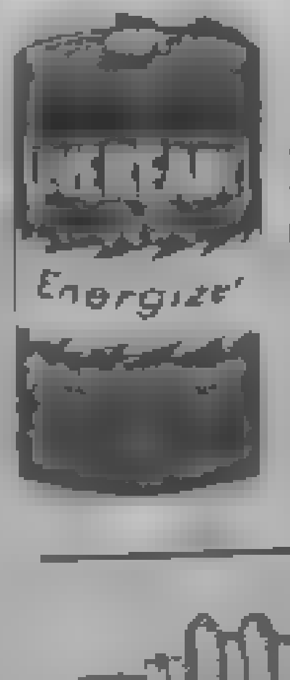
Type 25-2. For Portable Radios. Compact, rechargeable battery that's ideal for portable radios. Convenient non-spill construction. Lightweight polystyrene container is extremely sturdy and immune to corrosion by electrolyte. Fibrite insulation retards plate shedding. Supplies 2 volts for 21 ampere-hours. Has plug-in terminals. Original equipment in General Electric Model 250 and Model 260 portable radios. Size (HWD): 6x2½x2¾". Shpg. wt., 3¼ lbs.
98 JU 023. List, $12.80. **NET**....................9.25

Type ER6-2B. For Photo Flash. Handy rechargeable battery as above, but designed for use with photo flash. Supplies 2 volts for 6 ampere-hours. 125 to 250 flashes per cycle of charge. Size, 1 11/16x2⅜x4¼". Shpg. wt., 1½ lbs.
98 JU 024. List, $8.70. **NET**..............................6.39

Type ER-34-2. For Portable Radios. Use in portable radios. Supplies 2 volts for 34 ampere-hours. Has plain posts. Length, 4½", width, 3 11/16"; height 4½". Shpg. wt., 5¼ lbs.
98 JU 025. List, $17.05. **NET**... .... 12.42

EVEREADY BATTERIES

No. 6 Standard "Ignitor." 1½ volt general-purpose dry cell battery. Ideal for industrial use, annunciator and signal systems, battery operated ignition systems, farm lanterns, etc. Size, 6⅝x 2⅝" diameter. With screw terminals. Shpg. wt., 2 lbs
80 J 767. NET .... .92c
Lots of 12, EACH .... .84¢



No. E95 Alkaline Energizer Battery. Revolutionary, new 1½-volt battery designed for high drain continuous duty. Delivers higher amperage over a longer period than standard flashlight cells. Also features extended shelf life. Rated approximately 20 amperes. Size D, 2⅜x1 21/64". Shpg. wt., 4 oz.
79 J 773. NET ... 49c
79 J 782. No. E94 As above but ½ D size, 1 3/16x1 21/64". Rated approximately 8 amperes. Shpg. wt., 2 oz. **NET**..........32¢

MALLORY BIAS CELL CLIPS

Clips to hold grid bias cells listed at left. 1½" tinned leads. Cells easily inserted; removed. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Capacity	List	EACH
9 M 952	GB-15	2-cell	40c	26c
9 M 953	GB-16	4-cell	40c	
9 M 954	GB-17	1-cell	40c	

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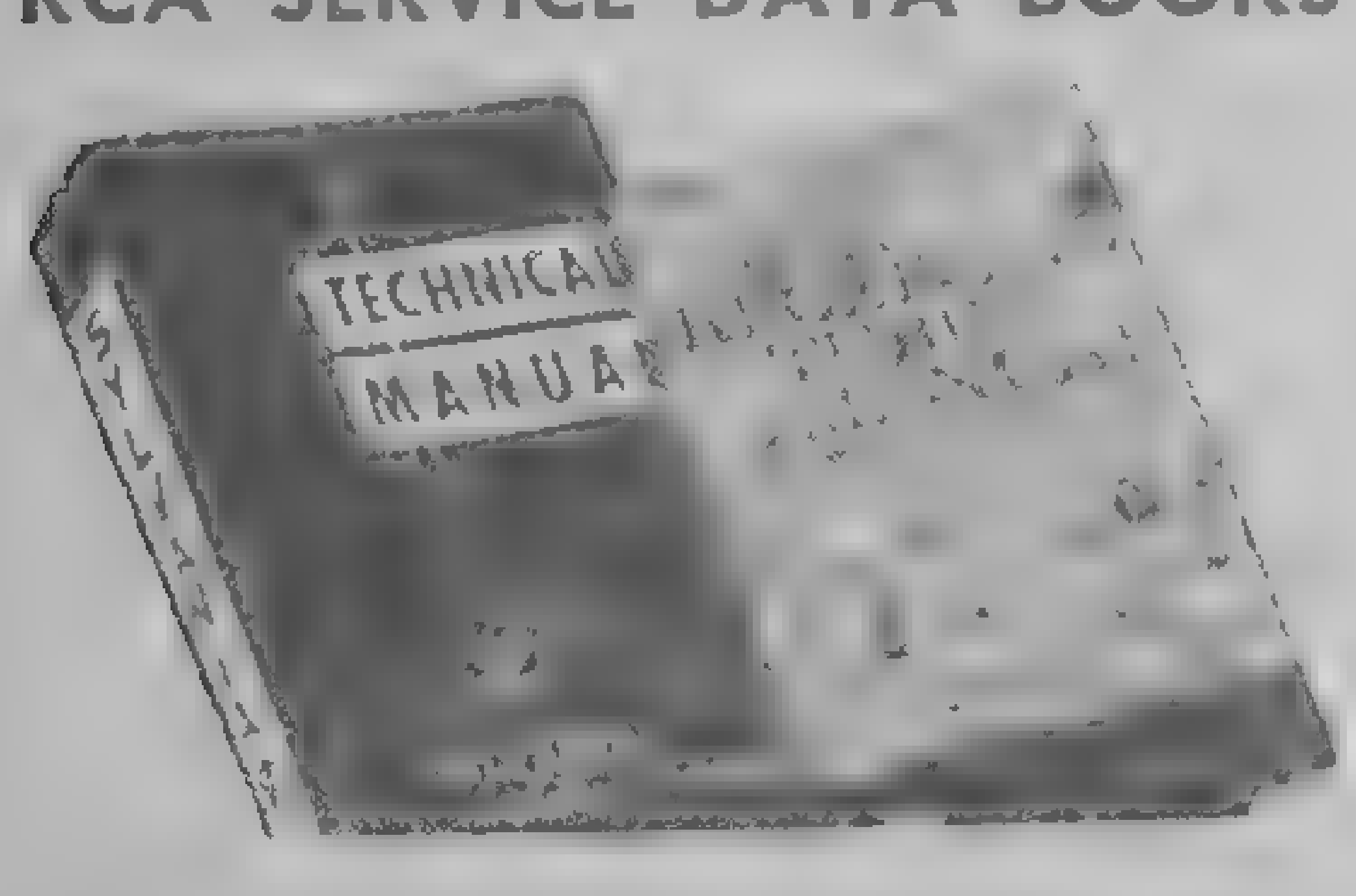

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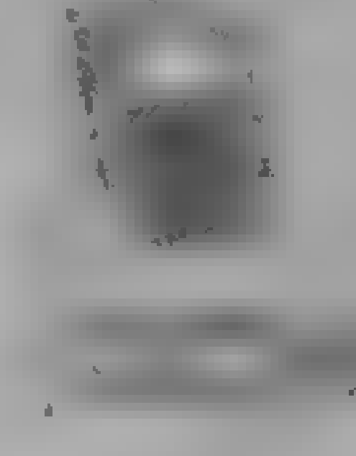

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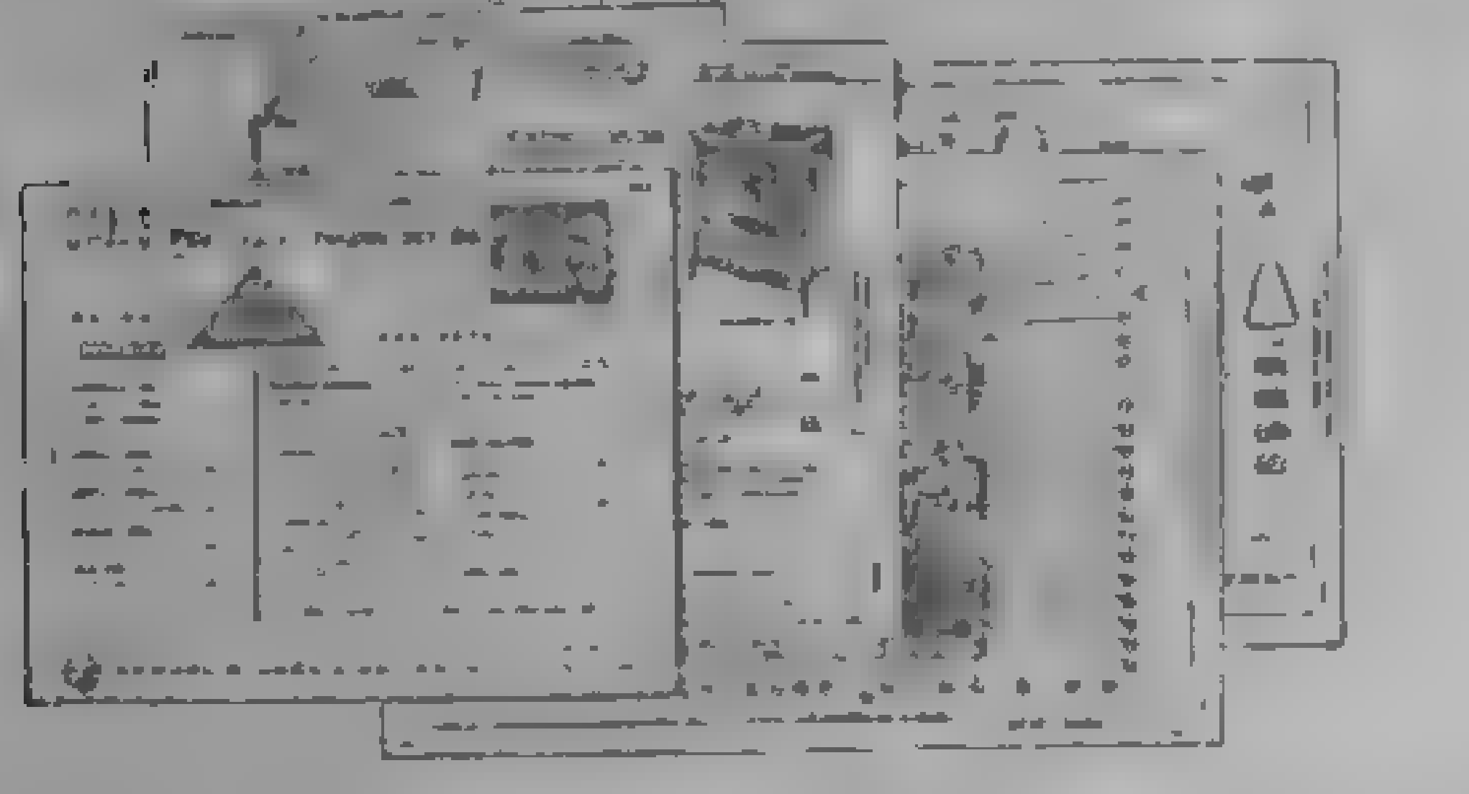

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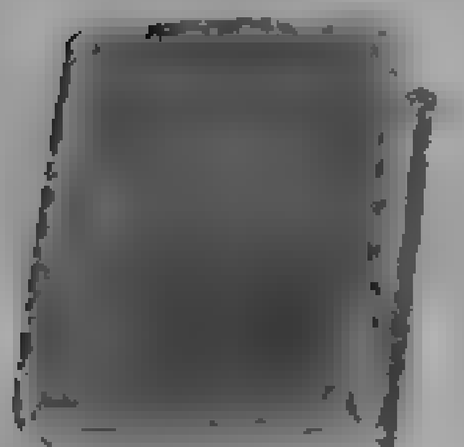

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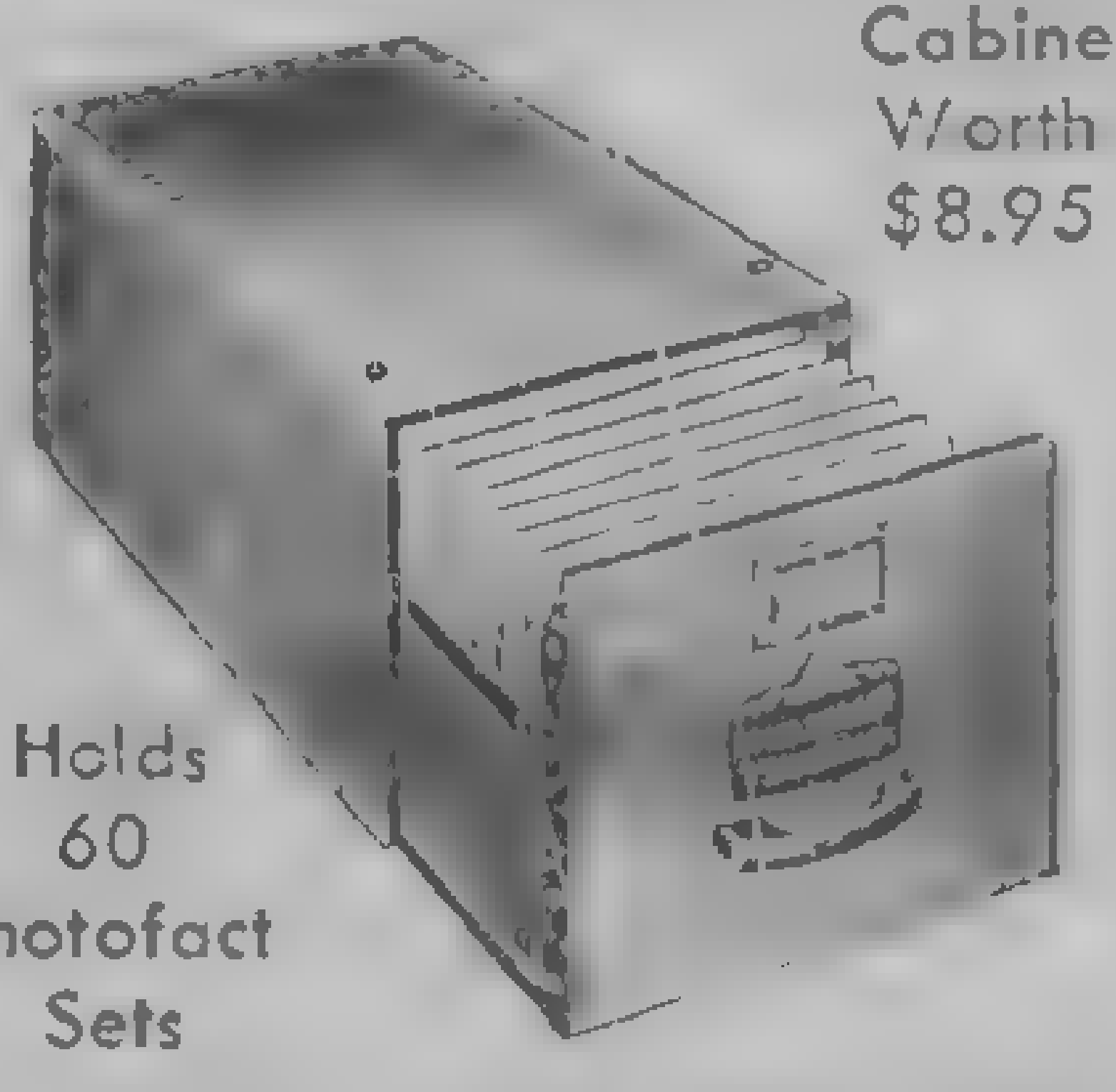

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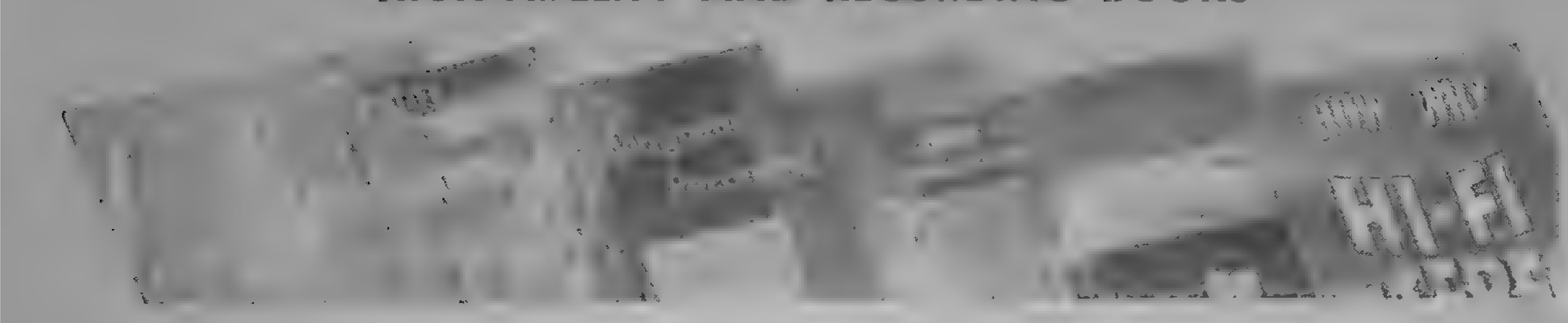

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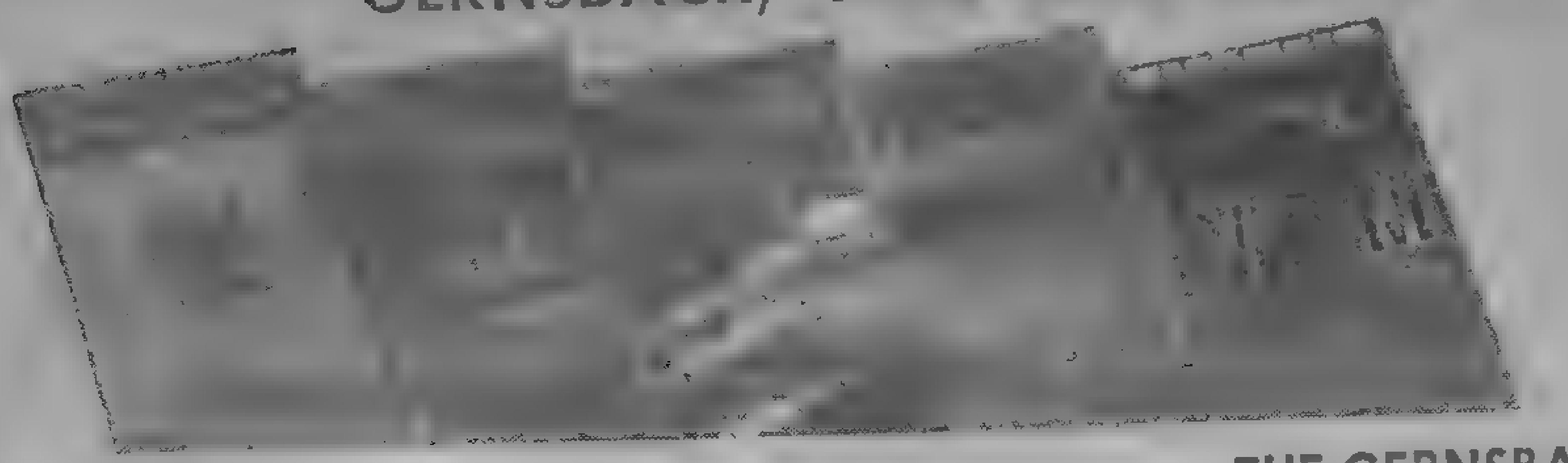

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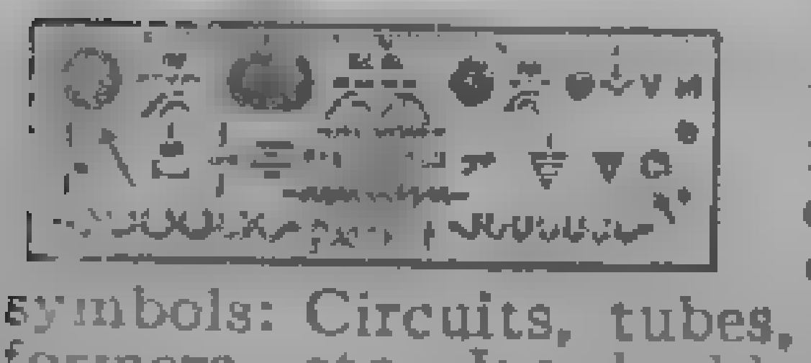

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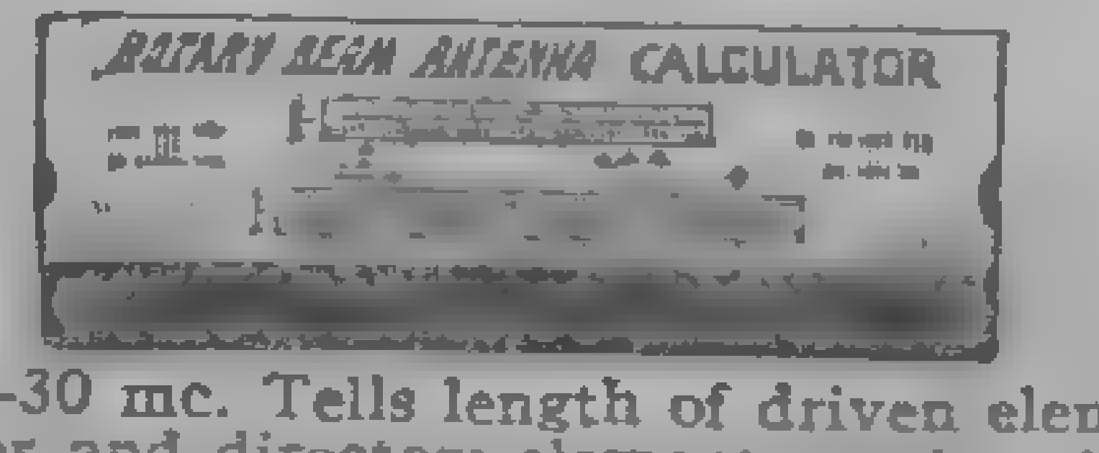

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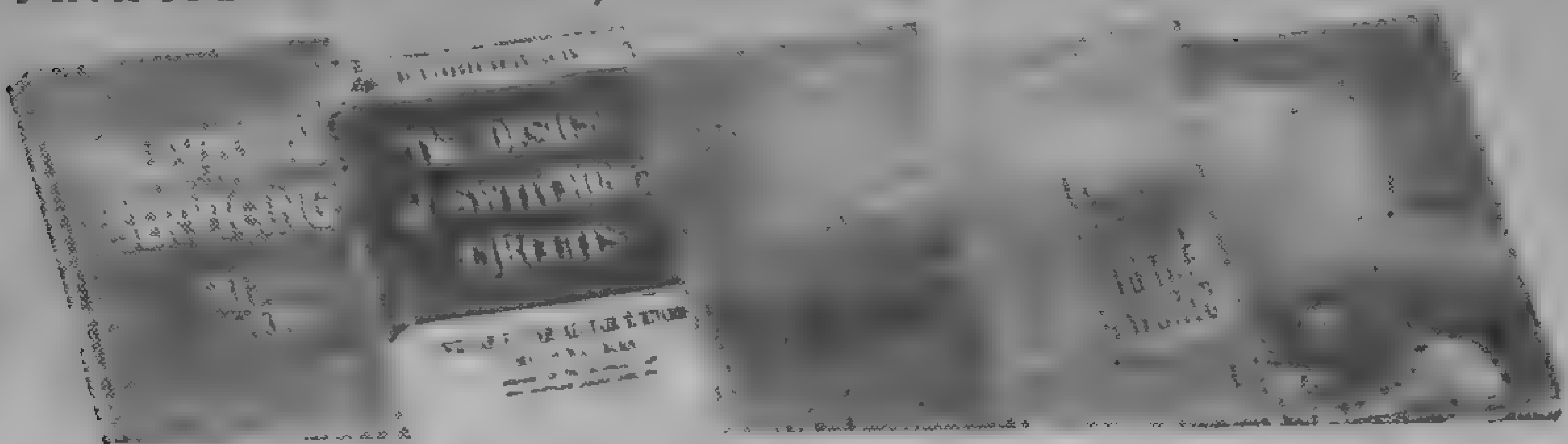

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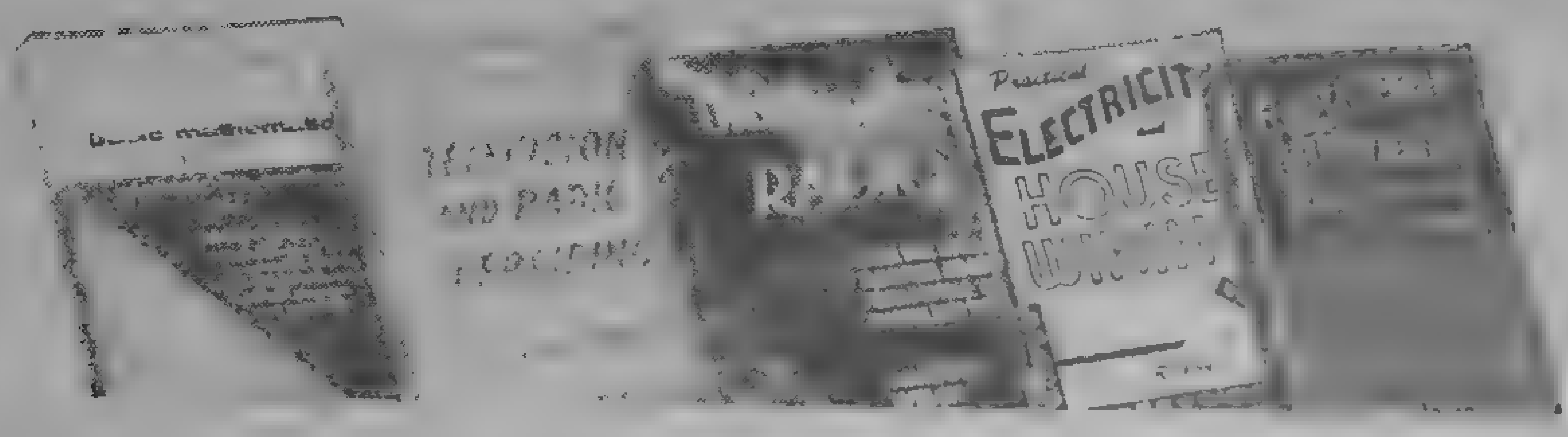

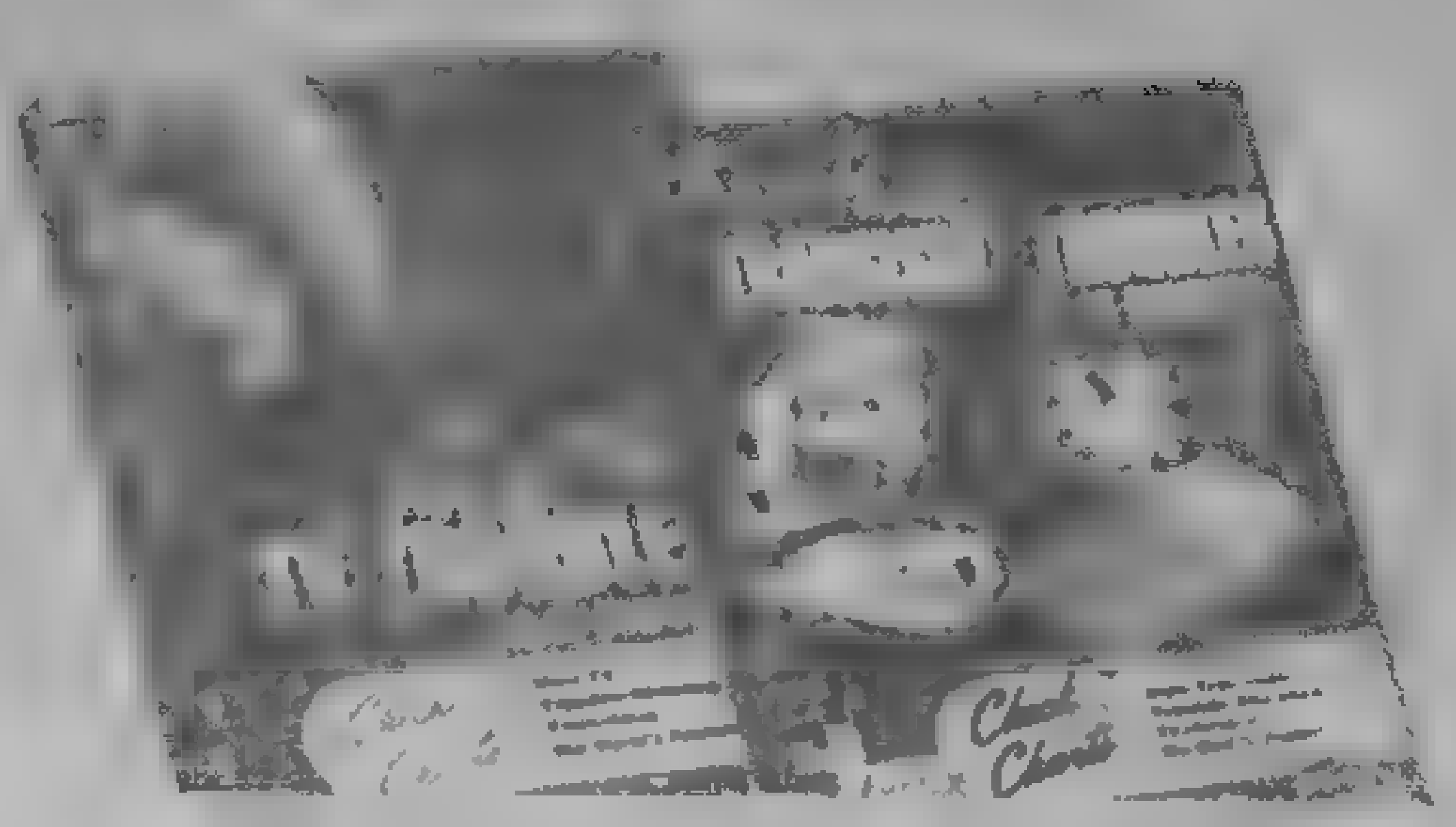

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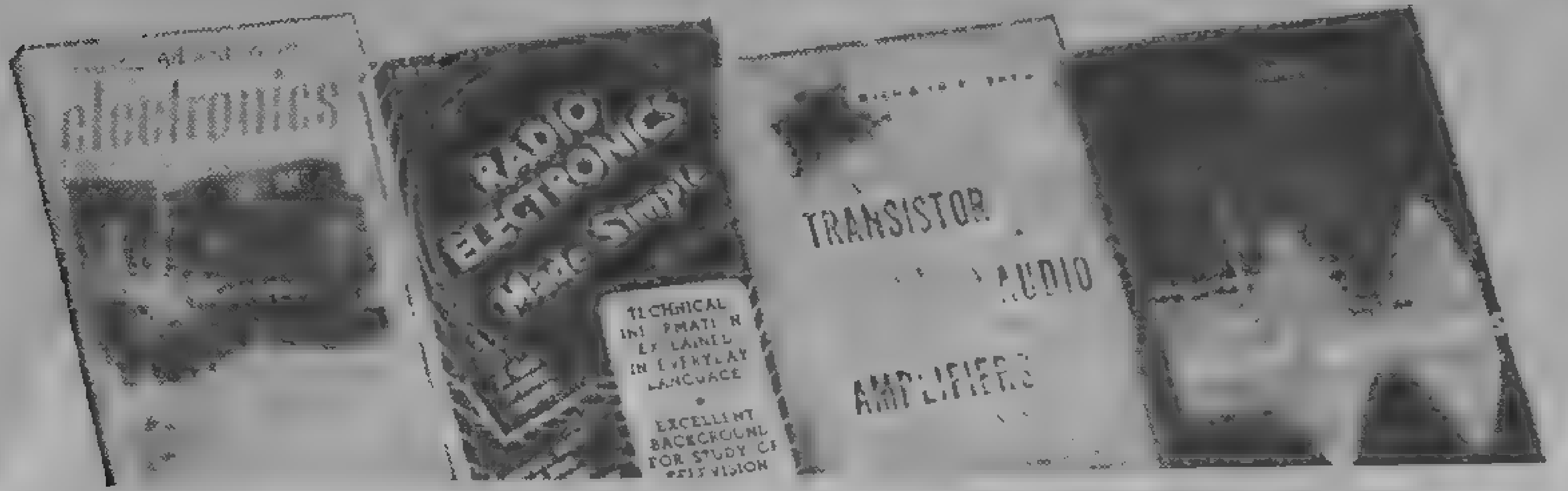
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COMMUNICATIONS BOOKS

RADIO HANDBOOK. 15th edition. Complete volume on radio practice. An unusually comprehensive handbook for Amateurs, engineers, radiomen and technicians. Tells how to design, construct and operate Amateur transmitting and receiving equipment. Contains valuable reference data, hundreds of pictures, diagrams and charts.

Covers basic electricity, AC and DC circuits, vacuum tubes and amplifiers, receiver fundamentals; generation of RF, AM and FM, transmitter design and adjustment, radiation and propagation, antennas, high frequency arrays, TVI and BCI, mobile equipment, power supplies, test units and radio math. Covers latest equipment—does not duplicate 14th edition. Includes schematics. Hard cover. 800 pages. Size, 6½x9½".
37 K 596. Postpaid in U.S.A.........7.50

RADIO-TELEPHONE LICENSE MANUAL. Valuable manual that contains all the information necessary to obtain any commercial radio-telephone license. Complete list of questions and answers. Covers: Questions on Basic Law; Basic Operating Practice; Basic Radiotelephone; Advanced Radiotelephone. An unusually complete appendix includes: Formulas and Problems; recommended FCC publications; Laws and Regulations; "Q" Signals; Miscellaneous Abbreviations. Hard-bound. Includes diagrams. 200 pp. 6x9½".
37 K 375. Postpaid in U.S.A.........5.00

SURPLUS CONVERSION MANUALS

VOLUME 1. By R. C. Evenson and O. R. Beach. Comprised of conversion data on surplus military equipment. Contents: BC-221 Frequency Meter; BC-342, BC-312 and BC-348 Receivers; BC-412 Radar Oscilloscope (Conversion for TV Receiver and Test Scope); BC-645 Transmitter/Receiver (to 420 mc); BC-946B Receiver (Conversion to Auto Receiver); SCR-374N Receiver (Conversion to 10-Meter Receiver); etc. Also includes: Electronic Surplus Index, Cross Index of Army-Navy tubes, etc. Illustrated. 112 pages. 6½x9½".
37 K 320. Postpaid in U.S.A.........2.50

VOLUME 2. Continuation of above. Table of Contents: BC-454 or ARC-5 Receivers (Conversion to 28 mc); AN/APS-13 Transmitter/Receiver (Conversion to 420 mc); BC-457 or ARC-5 Transmitter (Conversion to 28 mc); BC-357 Marker Receiver (Conversion to Capacity Relay); BC-946B Receiver (Conversion to High-Fidelity Tuner); BC-375 Transmitter (Conversion for use with External VFO); TA-12B, TA-12C Transmitters; AN/ART-13 Transmitter (Conversion to AC Power and 28 mc); AVT-112A Transmitter for Aircraft. Illustrated. 126 pages. 6½x9½".
37 K 321. Postpaid in U.S.A.........2.50

REFERENCE BOOKS

HANDBOOK OF CHEMISTRY AND PHYSICS. By Hodgman. 41st edition. (Chemical Rubber Publishing Co.). Highly comprehensive reference manual containing formulas and tables for literally every technical field. Includes chemical formulas, charts and descriptions of the elements, physical data on hundreds of compounds, mathematical charts, etc. Over 3300 pages. 4¾x7".
37 K 331. Postpaid in U.S.A........12.00

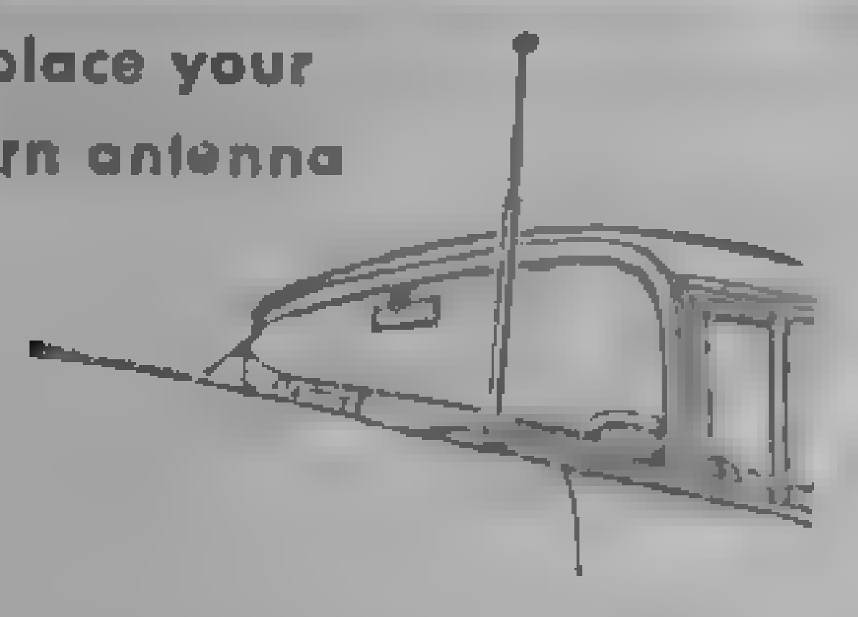
RADIO-ELECTRONICS MADE SIMPLE. By Martin Schwartz. (American Electronics Company publication.) Provides reader with basic understanding of elementary radio-electronic principles. Especially useful for beginners. 14 chapters dealing with current, tubes, etc. 191 pages. Illustrated. 6x9".
37 K 245. Postpaid in U.S.A..........1.95

RADIO-ELECTRONIC MASTER. (United Catalog Publishers.) New 1960 edition (24th). Official catalog of the radio, television and electronics industry. Large, hard-bound volume lists over 85,000 items produced by major manufacturers. Each item is fully described, with specifications and prices. 1500 pages. Size, 8x11½".
37 K 204. Postpaid in U.S.A.........3.50

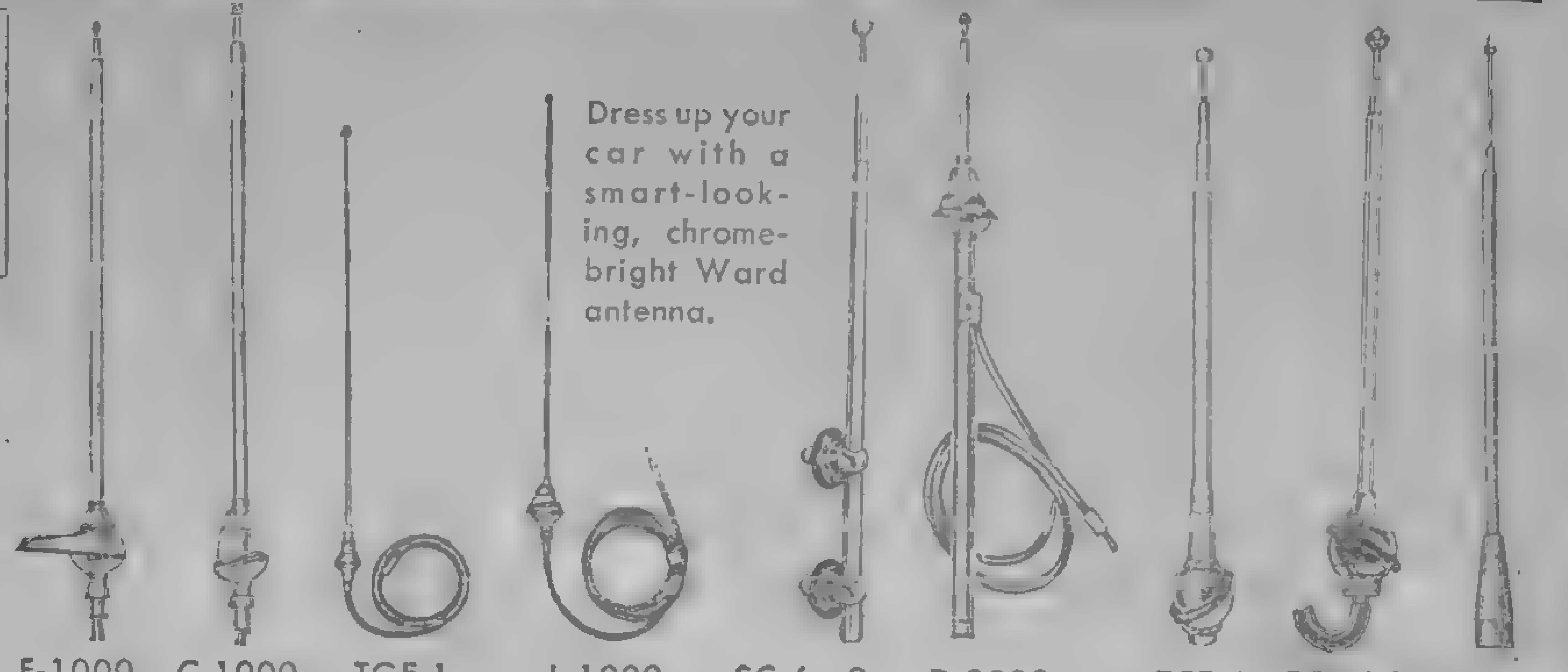
Auto Antennas and Vibrators

WARD AUTO RADIO ANTENNAS

Replace your worn antenna



Improve car radio reception with a modern antenna of advanced design. Save at Allied's low prices.



Dress up your car with a smart-looking, chrome-bright Ward antenna.

CUSTOM ANTENNAS

Custom "Lok-matic" auto antenna for 1958 and 1959 Fords and Chevrolets. Also for 1960 Chrysler, DeSoto, Dodge, Chevrolet, Plymouth, Ford and Valiant. 3 chrome plated sections extend from minimum of 19½" to 56". Fast, positive, simple installation made entirely from outside. Antenna mounts on top of any fender, complements the up-to-date styling of your auto. Unit is safeguarded by waterproof polystyrene dielectric insulation. With 54" low loss lead cable. Exclusive "Lok-matic" mount is coated with heavy layer of chrome for attractiveness and durability. Av. shpg. wt., 1 lb

Stock No.	Type	Automobile	EACH
91 CX 214	C-1000 58	1958 Chevrolet, 1960—Chrysler, DeSoto, Dodge, Plymouth, Valiant	2.77
91 CX 215	C-1000-60	1959, 1960 Chevrolet	3.61
91 CX 217	F 1000 59	1958, 1959 Ford	2.77
91 CX 322	FO 10 60	1960 Ford	3.61

"DURA-RAMIC" AUTO ANTENNA

Model TGF-1. Rugged auto antenna constructed of opaque, corrosion-proof fiberglass. Extremely flexible. Made from millions of fibers of glass, woven together and resin-impregnated under pressure. The antenna elements are completely imbedded in the protective fiberglass. Excellent sensitivity in low signal areas. Equal to metallic-type antennas. Features "Eight Ball" top cowl mounting. Adjusts to any desired angle. Fits any car. Supplied complete with 54" vinylite covered, shielded lead-in. Length, 36". Has handsome chrome finish. Shpg. wt., 1 lb.
92 CX 009. List, $5.95. **NET**. 3.50

"LOK-MATIC" UNIVERSAL TYPE

Model L-1000. Exclusive "Lok-matic" [illegible] the interlocking parts drop into place [illegible] automatically. Provides tight [illegible] in waterseal [illegible] from ¼ to 1⅛". 3 sections extend to 56". Has 54" cable. Adjusts up to 43° angle. Shpg. wt., 1 lb.
92 CX 579. List, $4.65. **NET**..........2.71

SIDE-COWL TYPE

Model SC-6. Chrome plated brass, side-cowl antenna. 3 sections—extends to 56". Low-loss 2-stanchion mount with base [illegible] and chrome insulator. Positive [illegible] shield can. Detachable 36" polyethylene insulated vinylite covered, high "Q" lead-in. Simple to install. Shpg. wt., 1 lb.
97 CX 215. List, $5.45. **NET** 3.20

Model SC-8. Popular side-cowl antenna. 4 sections—extends to 100". 2-stanchion mount. 36" vinylite covered high "Q" lead-in. Fits [illegible] regular car bodies. Shpg. wt., 1½ lbs.
97 CX 216. List, $7.70. **NET**.........4.52

DISAPPEARING TYPE

Model D-2000. Easily installed "Lok-matic" type that virtually disappears when collapsed to minimum of 6½". 5 sections extend to [illegible]. Installed from outside the car on cowl or fender. Completely waterproof, polystyrene insulation. With 54" lead. Shpg. wt., 1 lb.
92 CX 580. List, $6.15. **NET** 3.61

Model M-182-D. As above but shorter. Fits all sports cars. Collapses to no height, extends to [illegible]. Lead length, 36". Shpg. wt., 1 lb.
78 CX 585. List $3.50 **NET** 2.04

TOP-COWL AND FENDER TYPES

Model TCF-4. [illegible] smartly styled [illegible] to 57" [illegible] modern [illegible] to install, locks into place. With 54" [illegible] lead cable. Shpg. wt., 1¼ lbs.
92 CX 576. List, $5.95. **NET**.........3.49

Model TCF-3C. A top-notch, rattleproof antenna that [illegible] Has 3 sections—extends from 22" to 56". Constructed of triple chrome-plated brass tubing; has 54" low-loss Elektran lead-in cable. With instructions. Shpg. wt., 1 lb.
97 CX 213. List, $3.40. **NET**...........1.98

REPLACEMENT ANTENNA MAST

Model TCFR-1. 3-section replacement mast for weather-worn or broken antennas. Easily fits over stub of old antenna. Set screws provide secure mounting. Extends to 57". Shpg. wt., ½ lb.
92 CX 595. List, [illegible] **NET** ... 1.32

ANTENNA LEAD EXTENSIONS

Additional lead cable lengths for fender and rear mount installations.

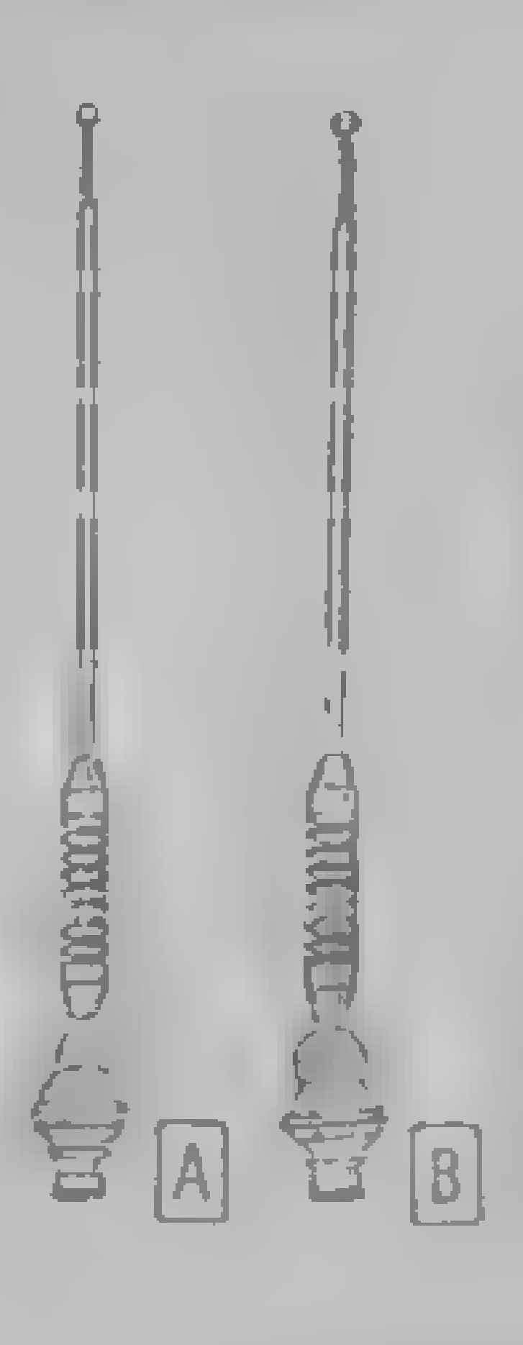
Stock No.	Mfr's Type	Length	Shpg. Wt.	NET EA.
49 C 557	C 9	15"	6 oz	.53
49 C 558	C 12	24"	7 oz.	.71
49 C 556	C 42	15 ft	½ lb	1.91

MALLORY REPLACEMENT VIBRATORS

Carefully designed, precision built vibrators offering long, trouble-free life. Provide extremely low cost per hour of use. Springs are fabricated of high grade clock spring steel; held in perfect alignment by a rugged frame. Flexible 105-strand lead wire won't break—connections stay intact. Fully backed by years of outstanding performance. If Mallory type number is not known, write to Allied, stating make, model, tube line-up of set, or part number of the original vibrator—we will recommend correct replacement. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Volts	Size	List	NET
56 P 000	4-4	6	1½x2⅞"	$2.35	1.32
56 P 154	12-3	12	1½x2⅞"	2.45	1.38
56 P 155	12-4	12	1½x2⅞"	2.45	1.38
56 P 054	294	6	1½x3¼"	4.90	2.88
56 P 120	509P	6	1½x2⅞"	4.15	2.44
56 P 156	G1803C/G567C	12	1½x3¼"	9.95	5.85
56 P 077	716	6	115⁄16x3½"	7.70	4.53
56 P 079	1801S/725C	6	1½x3¼"	8.55	5.03
56 P 080	G1801S/G725C	12	1½x3¼"	9.95	5.85
56 P 110	1603S/826C	6	1½x3¼"	6.35	3.73
56 P 086	F826S/F826C	32	1½x3¼"	7.70	4.53
56 P 111	G1603S/G826C	12	1½x3¼"	7.70	4.53
56 P 092	854	6	1½x3¼"	4.90	2.88
56 P 113	1601/859	6	1½x2⅞"	4.70	2.76
56 P 132	G1601/G859	12	1½x2⅞"	4.70	2.76
56 P 118	W1601/W859	4	1½x2⅞"	4.90	2.88
56 P 094	870	6	1½x2⅞"	4.90	2.88
56 P 133	G1602/G883	12	3¼x1½"	4.70	2.76
56 P 121	903M	6	1½x2⅞"	3.60	2.12
56 P 159	1701	6/12	1½x2⅞"	9.60	5.64
56 P 160	1751	6	1½x2⅞"	9.80	5.76
56 P 127	T4002	2	1½x1½x2½"	10.70	6.29
56 P 135	1501/4501	6	1½x2⅞"	6.35	3.73
56 P 140	M1501/M4501	24	1½x2⅞"	6.90	4.06
56 P 144	G1807/G4548	12	1½x3¼"	8.55	5.03
56 P 145	G1801/G4549	12	1½x3¼"	8.55	5.03
56 P 131	G1501/G4501	12	1½x2⅞"	6.90	4.06
56 P 138	1807/4548	6	1½x3¼"	7.70	4.53
56 P 166	1813	6	1½x3¼"	7.70	4.53

GC-TELCO AUTO ANTENNAS



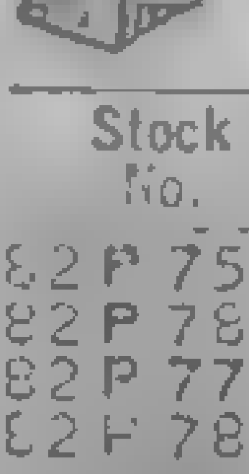
SPRING-MAGIC CONSTRUCTION

A **Model A515-1.** Universal mount auto radio antenna adjustable to 30° angle. Spring construction helps prevent broken or bent antennas. 3-section unit extends to 58", closes to 25½". With 54" lead-in cable. Made of highest quality brass tubing, chrome plated. Shpg. wt., 1¼ lbs.
91 CX 398. NET EACH 4.41

SPRING-MAGIC BALL-TENNA

B **Model A517-1.** Universal ball-tenna auto radio antenna adjusts to any angle. Features spring construction to help prevent broken or bent units. Special alloy spring [illegible] 3-section unit closes to 23½", extends to 58". Made of highest quality, chrome-plated brass tubing. Has 54" lead-in cable. Shpg. wt., 1½ lbs.
91 CX 399. NET EACH.................... 5.26

CORNELL-DUBILIER INVERTER VIBRATORS

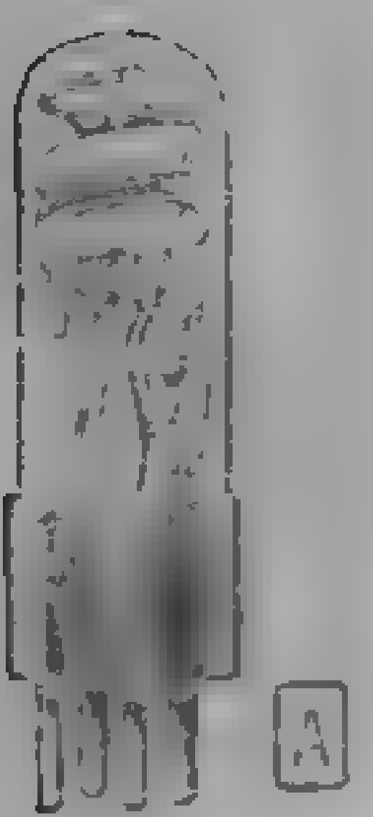


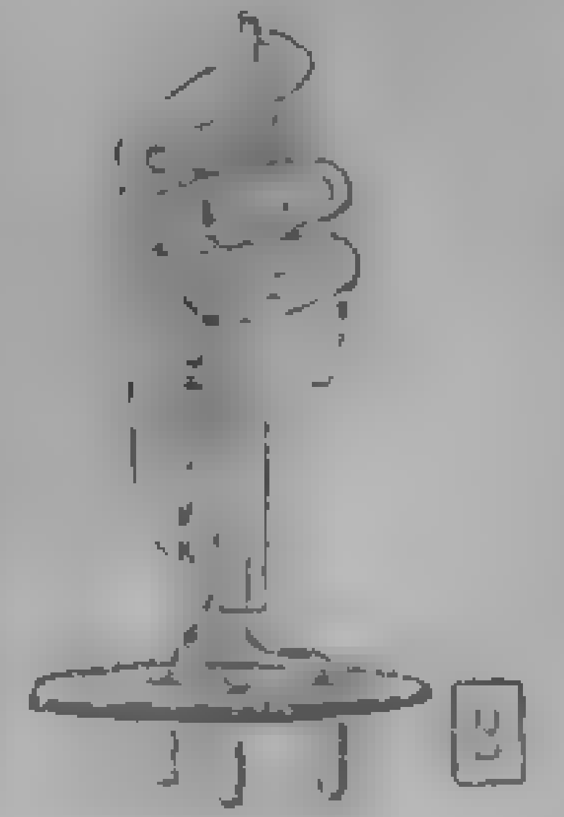
Heavy duty vibrators for Cornell-Dubilier "Powercon" inverters. Also replace vibrators in many mobile amplifiers. Vibrators with VB and VC in type No. are [illegible] for maximum stability. Types 6VD6H and 12VD6H have hair for greater heat dissipation. *Tandem types have [illegible] capacity; have two 6 pin plugs on case. Av. shpg. wt., 1 lb.

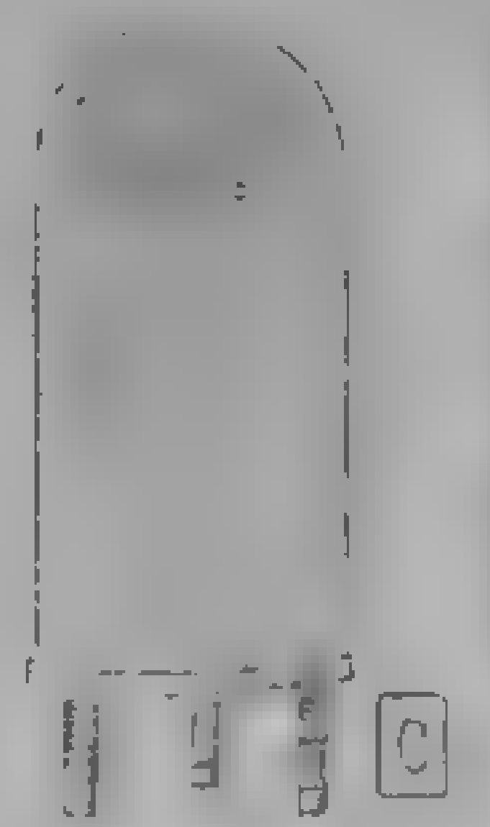
Stock No.	Mfr's Type	Volts	Used in "Powercon" Models	NET EACH
82 P 753	[illegible]	6	[illegible], 6SP, 6SW3	7.94
82 P 789	[illegible]	6	[illegible]	13.82
82 P 777	[illegible]	6	[illegible], 6L6, 12L8	6.09
82 P 782	[illegible]	12	[illegible], 12S10, 12SW10	7.94
82 P 783	12VD6H	12	12DC12, 12H15, 12RC15, 12SH20, 12SW15	13.82
82 P 779	2530	12	12SP2, 12LM4	2.44
82 P 780	2532	12	12M6	4.53
82 P 788	*119VCGH	110	110H35, 110RT35, 110SP40, 110SW35, 220SH40	13.82

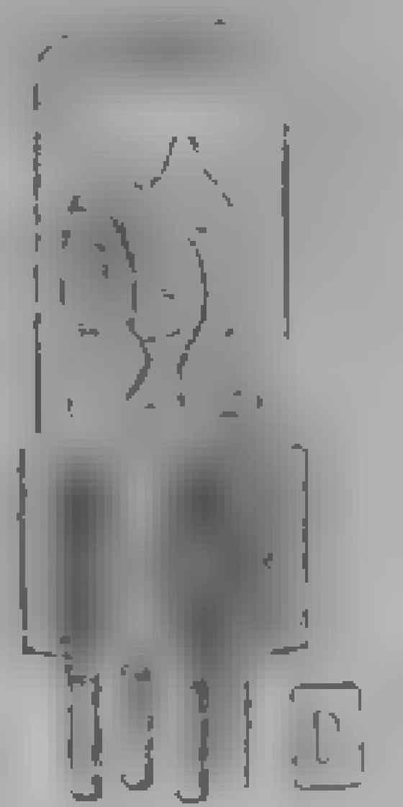
Photoflash and Stroboscope Components

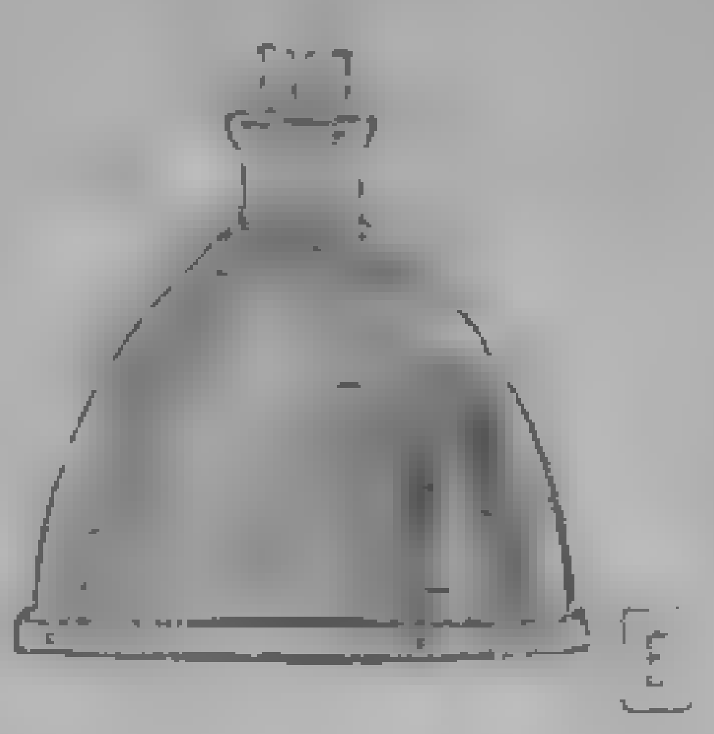
ELECTRONIC FLASH TUBES AND REFLECTORS

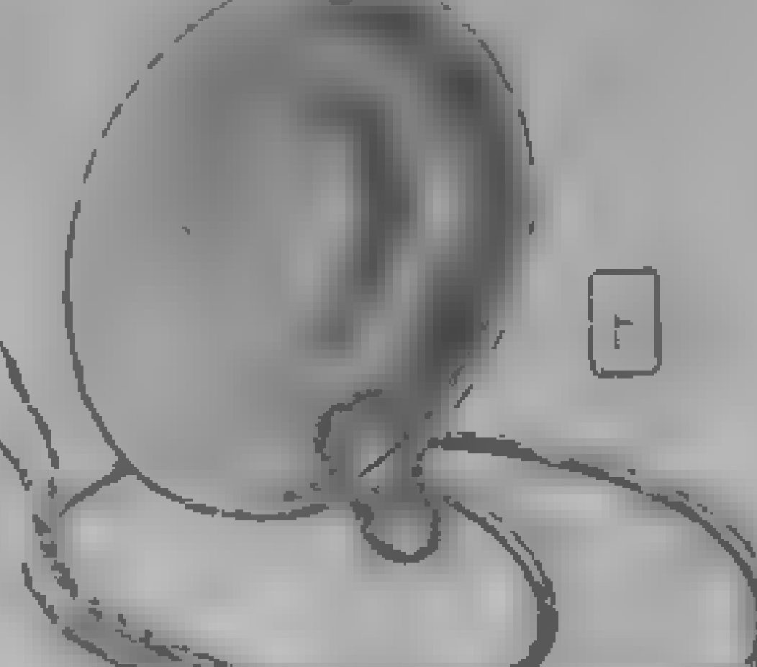


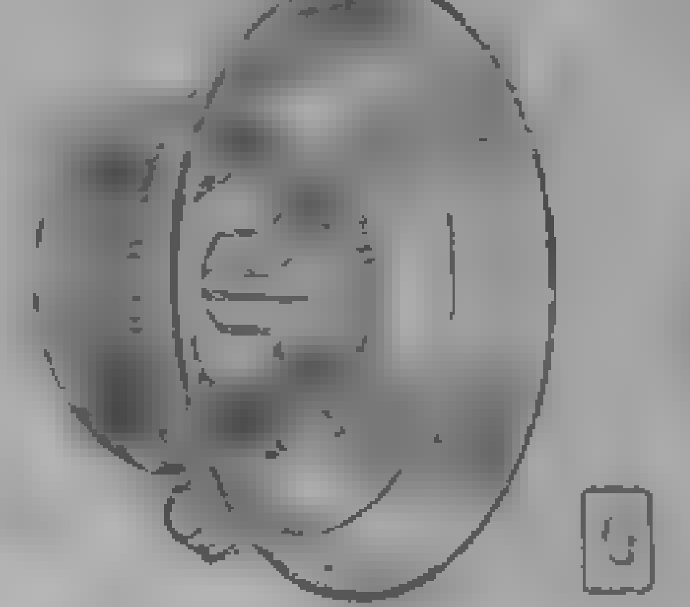


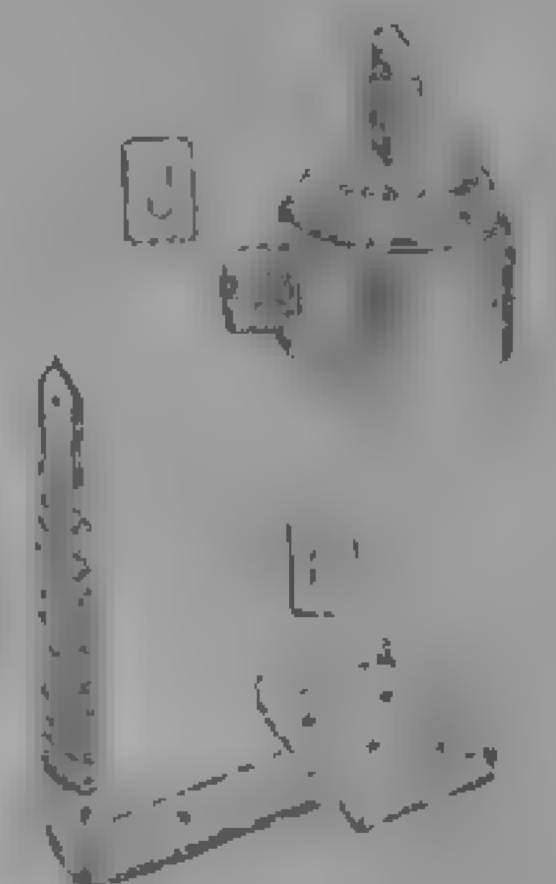












KEMLITE AND AMGLO FLASH TUBES

High-quality tubes for photoflash units. [illegible] 1/10,000 second. May be used for color [illegible] without [illegible] color temperature 6500° Kelvin. [illegible] includes instructions for building photoflash units using Kemlite DX and DW-2. All are Kemlite except *Amglo. Av. shpg. wt., 1 lb.

Stock No.	Type	Fig.	W-S	Volts	Description	NET
78 E 619	[illegible]	A	100	[illegible]	[illegible]	11.05
78 E 620	D-2	A	100	400-600	[illegible] external coil	9.35
78 E 706	DX	A	150	400-600	Internal trigger coil	11.05
78 E 710	DW-2	B	150	[illegible]	[illegible] G.E. [illegible]	6.63
78 E 621	MX	A	200	700-1200	Internal trigger coil	11.05
78 E 622	MW-2	B	200	700-1200	Same as G.E. FT-110, 21[illegible]	6.63
78 E 623	MW-6	C	500	700-1200	Same as G.E. FT-306	18.70
78 E 624	[illegible]	A	[illegible]	[illegible]	[illegible]	11.99
78 E 625	V-2	A	200	[illegible]	Same as Sylvania R 4330	12.75
78 E 626	HW-6	C	500	2500-4000	Same as G.E. FT-403	18.70
78 E 627	H-2	C	4000	2500-4000	Same as G.E. FT-503	72.25
78 E 655	78R9D*	A	300	2000-2500	Grid controlled	14.78
78 E 653	5612Z*	A	200	600-1000	Grid controlled	12.74
78 E 662	HD-2*	B	200	350-500	With reflective disc	9.80

D STROBOSCOPE TUBES

Kemlite Type S-58. Rugged, 10 watt stroboscope tube. Obtains firing impulse from external trigger coil or high voltage pulsing source of between 400 and 600 volts. Shpg. wt., 1 lb.
78 E 628. NET..........10.20

Amglo Type U-35. Non-polarized, xenon gas filled stroboscope tube used extensively in medical, automotive, photographic stroboscopic instrument. Operate from 100 to 600 volts. Shpg. wt., 1 lb.
78 E 663. NET..........5.88

E KEMLITE REFLECTOR-FLASHTUBE ASSEMBLIES

[illegible] Standard 4-pin base. Av. shpg. wt., 1½ lbs.

Stock No.	Type	Angle	Volts	Stock No.	Type	Angle	Volts
78 E 629	CXR4	[illegible]	[illegible]	78 E 635	[illegible]	[illegible]	300
78 E 630	DXP1	[illegible]	470	78 E 636	[illegible]	[illegible]	450
78 E 631	MXR4	[illegible]	600	78 E 637	MXR3	[illegible]	900
78 E 632	CXR5	60°	[illegible]	78 E 638	[illegible]	[illegible]	300
78 E 633	DXR5	60°	450	78 E 639	DXR2	[illegible]	450
78 E 634	MXR5	60°	900	78 E 640	MXR2	[illegible]	900

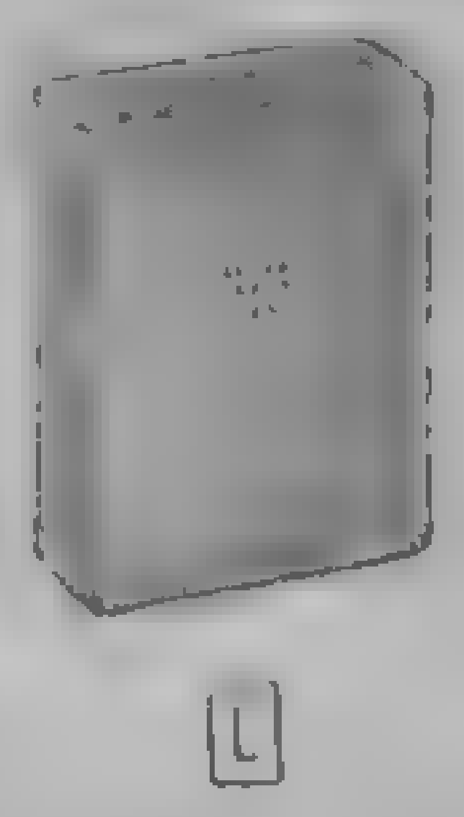
NET EACH..........11.99

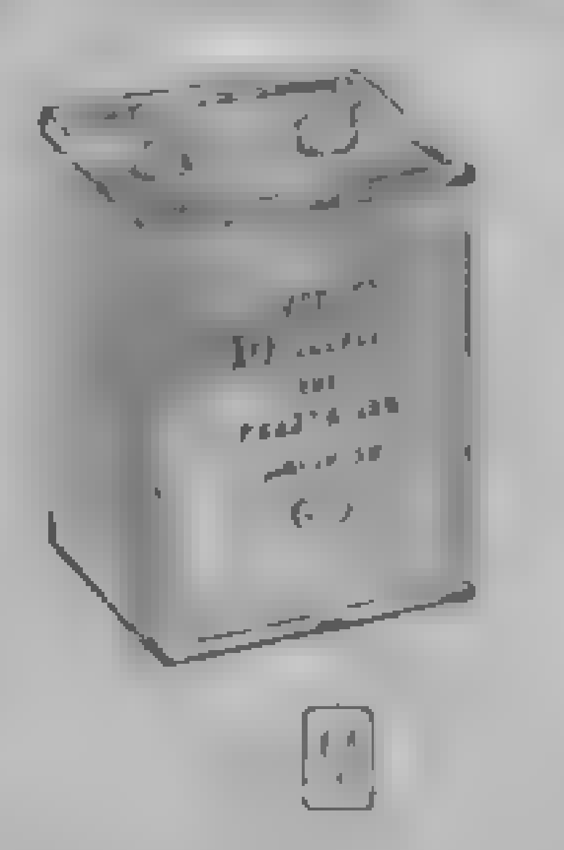
SPRAGUE AND AMGLO PHOTOFLASH ACCESSORIES

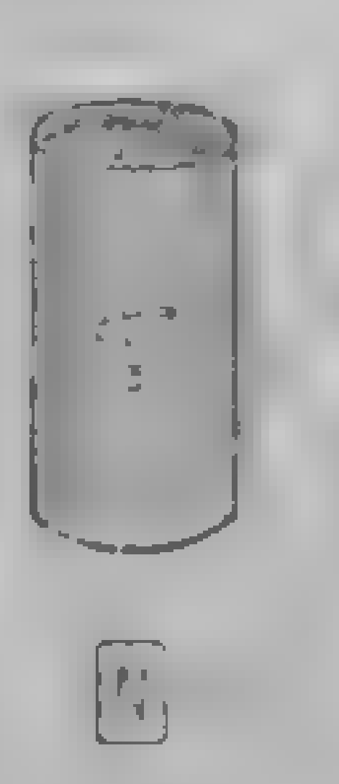
Reflectors, camera brackets, and mounts for fitting reflectors to flash- [illegible] AR 365 reflector. Cover [illegible] AR 365 has 60° arc of illumination. Av. shpg. wt., 1 lb.

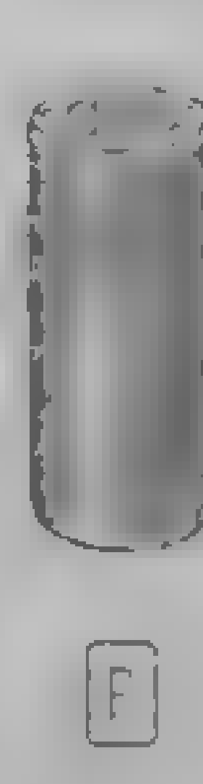
Stock No.	Type	Fig.	Description	NET
78 E 703	FA 101*	[illegible]	Reflector for DX tube	[illegible]
78 E 704	FA 105*	F	Reflector for DW-2 tube	[illegible]
78 E 641	AR 365	G†	Reflector for HD series tubes	[illegible]
78 E 642	[illegible]	G†	Bracket [illegible] AR 365	[illegible]
78 E 643	P-850	J	Bracket, 8½x10", for 4x5 cameras	4.41
78 E 644	[illegible]	[illegible]	Bracket for Rollei, other twin lens	[illegible]
78 E 645	[illegible]	[illegible]	[illegible]	[illegible]
78 E 646	LF-132	H	Mounts reflector on [illegible]	[illegible]
78 E 647	LF-132	H	Mounts reflector on ⅜" lamp stand	3.04

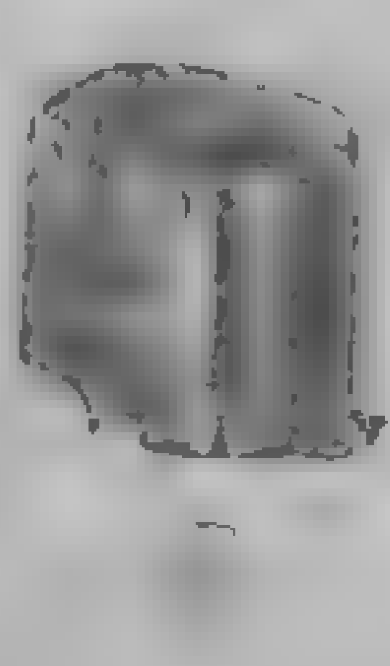
BUILD YOUR OWN PHOTOFLASH UNITS WITH THESE ESSENTIALS

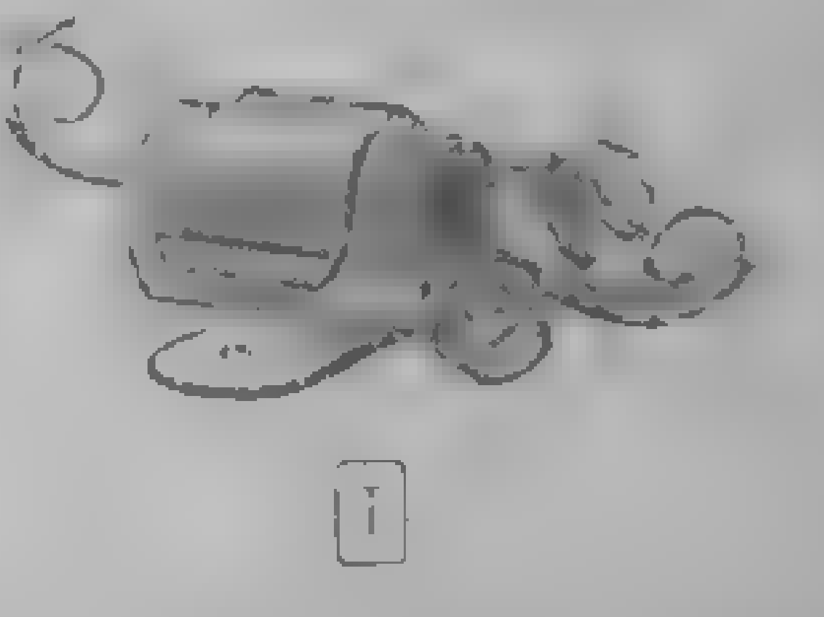


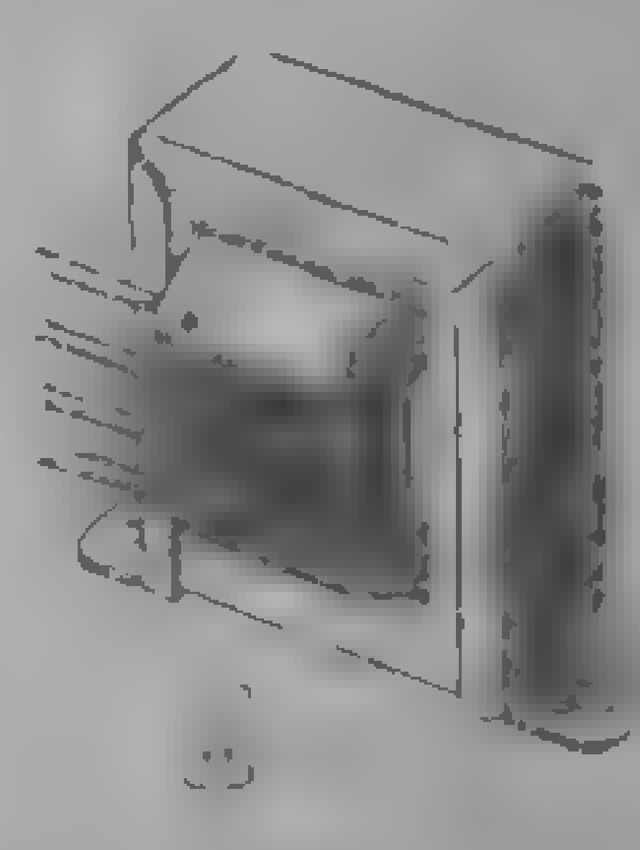












CAPACITORS, SPRAGUE

High-quality electrolytic capacitors for photoflash use. Type FF-1 has film-type construction and is for dry-battery service; 2⅛" dia. by 4⁷⁄₁₆" long. PQ types are oil-filled and hermetically sealed. Sizes: 2525, 4⁹⁄₁₆x3¾x5¼"; 2535, 4⁹⁄₁₆x3¾x7"; 425, 4⁹⁄₁₆x3¾x9¼".

Stock No.	Type	Fig.	Mfd	W-S	WVDC	Lbs.	NET
15 L 725	FF-1	K	525	53	450	¾	13.23
15 L 732	PQ-2525	L	25	78	2500	5	15.58
15 L 733	PQ-2535	L	35	109	2500	6½	19.11
15 L 729	PQ-425	L	25	200	4000	9	24.99

CORNELL-DUBILIER

M **Type GKGT High-Voltage Oil-Filled.** Filled with Dykanol "G." Sizes: 1A01 and 1A02, 5¼x4½x3¾"; 104, 7⅛x4½x3¾".

Stock No.	Type	Mfd	W-S	WVDC	Lbs.	NET
14 L 480	1A01	25	50	2000	4½	22.05
14 L 481	1A02	15	50	2500	4¾	15.14
14 L 483	104	32	100	2500	6	27.34

N **Low-Voltage Types.** *Aluminum can with cardboard sleeve; †bakelite case. Solder terminals, except §screw. Size, 4½x2¹⁄₁₆".

Stock No.	Type	Mfd	WVDC	W-S	Lbs.	NET
14 L 841	FB10063*	200	450	20	1¼	4.03
14 L 842	FW10005†	200	500	25	1¼	6.17
14 L 348	FWSN10001†§	525	450	53	1¼	13.29

ILLINOIS UMC

P Highly efficient, dependable capacitors. All units have very low leakage current. Size, 4½x2¹⁄₁₆". Av. shpg. wt., 1¾ lbs.

Stock No.	Type	Mfd	W-S	WVDC	NET
10 L 579	52545A	525	53	450	13.23
10 L 578	100030A	1000	45	300	17.64

TRANSFORMERS, RELAY, TRIGGER COILS, AND PHOTOFLASH HANDBOOK

UTC

Type PF-1 Power Transformer. Primary [illegible] 115 [illegible] cycles. Secondary supplies [illegible] with proper rectifier, and [illegible] d. Transformer is compound-se[illegible] ¾x2½" case. Shpg. wt., 2½ lbs.
62 G 230. NET..........8.23

Type PF-3 Trigger Transformer. For electronically fired circuit. 15 kv. rating. Size, 3" long, ⅞" diameter. Shpg. wt., 6 oz.
62 G 232. NET..........5.88

R **Type PF-5 Power Transformer.** For transistor-type power supplies. Primary for 115 volt, 50-60 cycle AC; also for 4½-volt battery (used with PF-6 below). Output is 400 volts DC in voltage doubler circuit. Size, 1⅞x2x1¾". Shpg. wt., 1 lb.
63 G 527. NET..........8.23

S **Type PF-6 Inverter-Type Transformer.** For use with PF-5 above. Transforms 4½ volt DC from battery to input for PF-5 step-up transformer for 400 volt DC output. Size, ⅞" dia. by 1³⁄₁₆". Shpg. wt., 1 oz.
63 G 528. NET..........5.00

S **Type PF-7 Trigger Transformer.** For use with PF-5 and PF-6 in transistorized power supplies. Shorting .25 mfd capacitor, charged to 225 volts DC, produces 6 KV pulse. Size, ⅞" dia. by ¹⁵⁄₁₆". Shpg. wt., 1 oz.
63 G 529. NET..........3.53

SPRAGUE DELAY RELAY

Type FA-103. Small synchronizing relay. Provides 5- to 25 millisecond delay. Miniature relay to use in very latest low voltage circuit for building an electronic photoflash unit. Designed for operation with 3 to 4½ volt battery flashgun. Shpg. wt., 8 oz.
78 E 701. NET..........3.43

KEMLITE TRIGGER COIL

T **Type 3CB.** Compact ignition transformer for trigger coil applications. Miniaturized and light in weight for use with portable, transistor-type photoflash power supplies. When used with .5 mfd capacitor charged to 180 volts DC it provides a 5000 volt pulse for triggering flash tube. Isolated primary and secondary permits safe use with transformerless power supplies (can be wired as autotransformer when used with line isolation transformer). Turns ratio is 1:50. Extremely efficient design permits very-high-frequency triggering rate. Supplied complete with clamp for mounting. ⅝" dia. by 1". Shpg. wt., 1 oz.
78 E 648. NET..........2.69

STANCOR

W **Model P-6425 Power Transformer.** For AC electronic photoflash units. Low output voltage for greater safety factor. Has 105/115/125 volt 60-cycle primary. Charges 1050 mfd. capacitor to 450 volts DC, through a half-wave selenium rectifier. 2⁵⁄₁₆x2¹⁵⁄₁₆x2". Mtg. centers, 2⅜". Shpg. wt., 1½ lbs.
64 G 445. NET..........3.43

Type P-6426 Trigger Coil. For P-6425 transformer. ¾" long, ⁹⁄₁₆" dia. Replaces G. E. 86 G 41 trigger coil. Shpg. wt., 3 oz.
64 G 144. NET..........1.64

SPRAGUE C703 FLASH HANDBOOK

A popular handbook containing details on the assembly of two battery-operated, high-speed electronic flash units, as well as a flash unit for AC operation. Includes photographs showing parts placement, and easy-to-follow instructions. Excellent for the amateur or professional photographer. 15 pages. Size, 8½x11".
37 K 078. Postpaid in U.S.A...........35c

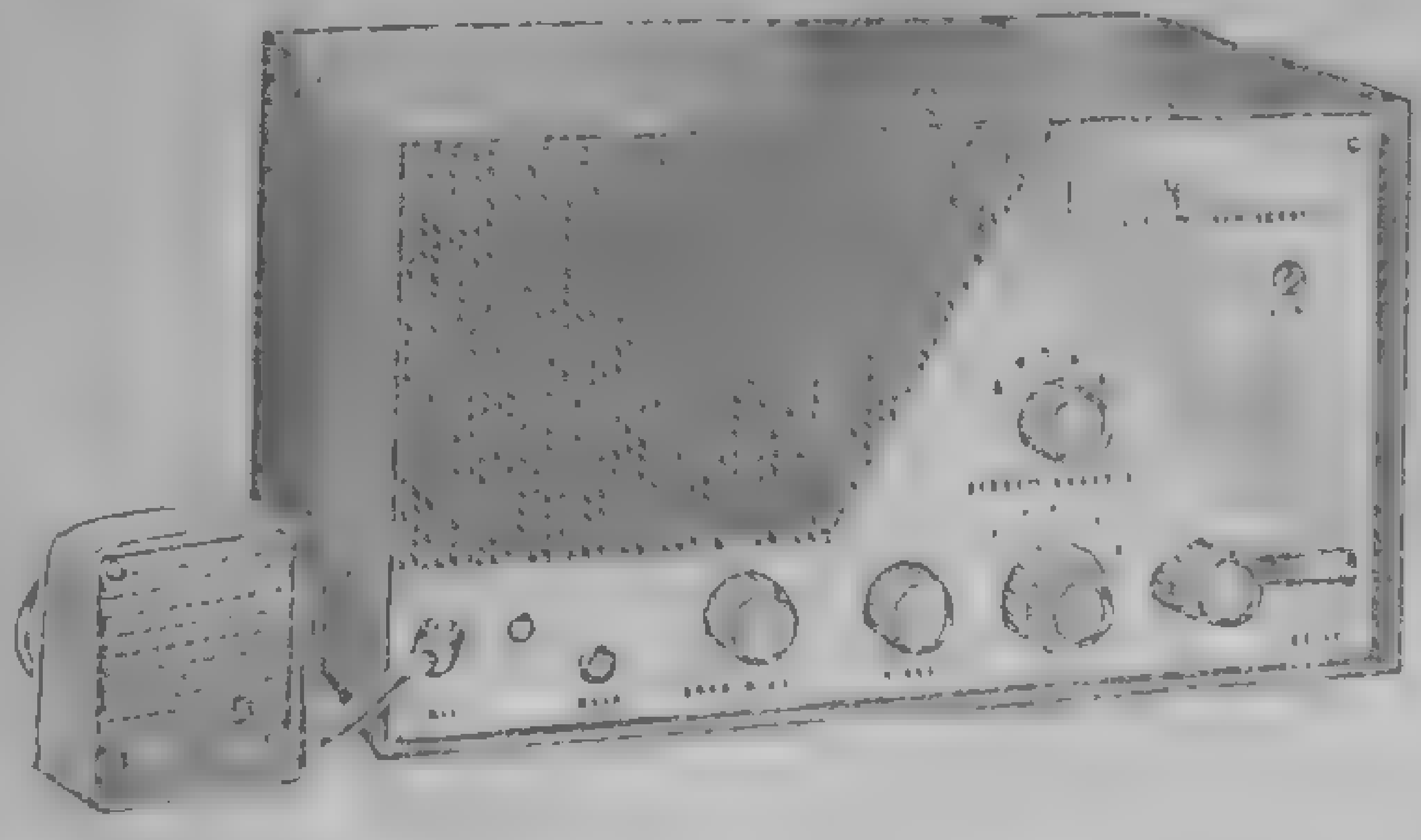
Selected Feature Values

LINCOLN CITIZENS BAND TRANSCEIVER

Tunable Superhet Receiver Covers All 22 Citizens Band Channels

Transmitter Operates at Maximum Legal Input Power

Has Adjustable Noise Limiter



Feature For Feature . . .

Offers You the Most for Your Money

- Panel Switch Selects Any of 5 Transmitting Channels
- Fully Wired and Ready for Immediate Use

ONLY

59^{95}

$5 Down

Outstanding new Citizens Band transceiver offers excellent performance, exceptional reliability and marvelous versatility at amazingly low cost! Provides more features and convenience than many units costing much more. An invaluable aid to salesmen, farmers, construction workers—anyone requiring dependable line of-sight communication

Among unit's big array of features is a sensitive, highly selective superheterodyne receiver section that permits continuous tuning of all 22 Citizens channels. Any one of five crystal-controlled transmitting channels can be selected with front panel selector switch. Other deluxe features include: temperature-compensated receiver oscillator for top stability and drift-free performance; adjustable noise limiter; and full-toned 4" PM speaker. Unit provides equally good results in base or mobile applications (see accessories listed below).

Transceiver operates at maximum legal power—a full 5 watts input. Comes fully wired and ready for immediate use. Supplied complete with transmitting crystal for channel 9 (27.065 mc)—up to 4 additional crystals may be used, see listings below. Unit is extremely durable and compact—measures only 5½" high, 10¼" wide and 6⅜" deep. Supplied complete with high output crystal microphone. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 11 lbs.
78 SZ 162. *$5 Down* **ONLY** 59.95

78 S 163. 12-Volt Power Supply. Shpg. wt., 4 lbs. **NET**..............11.95

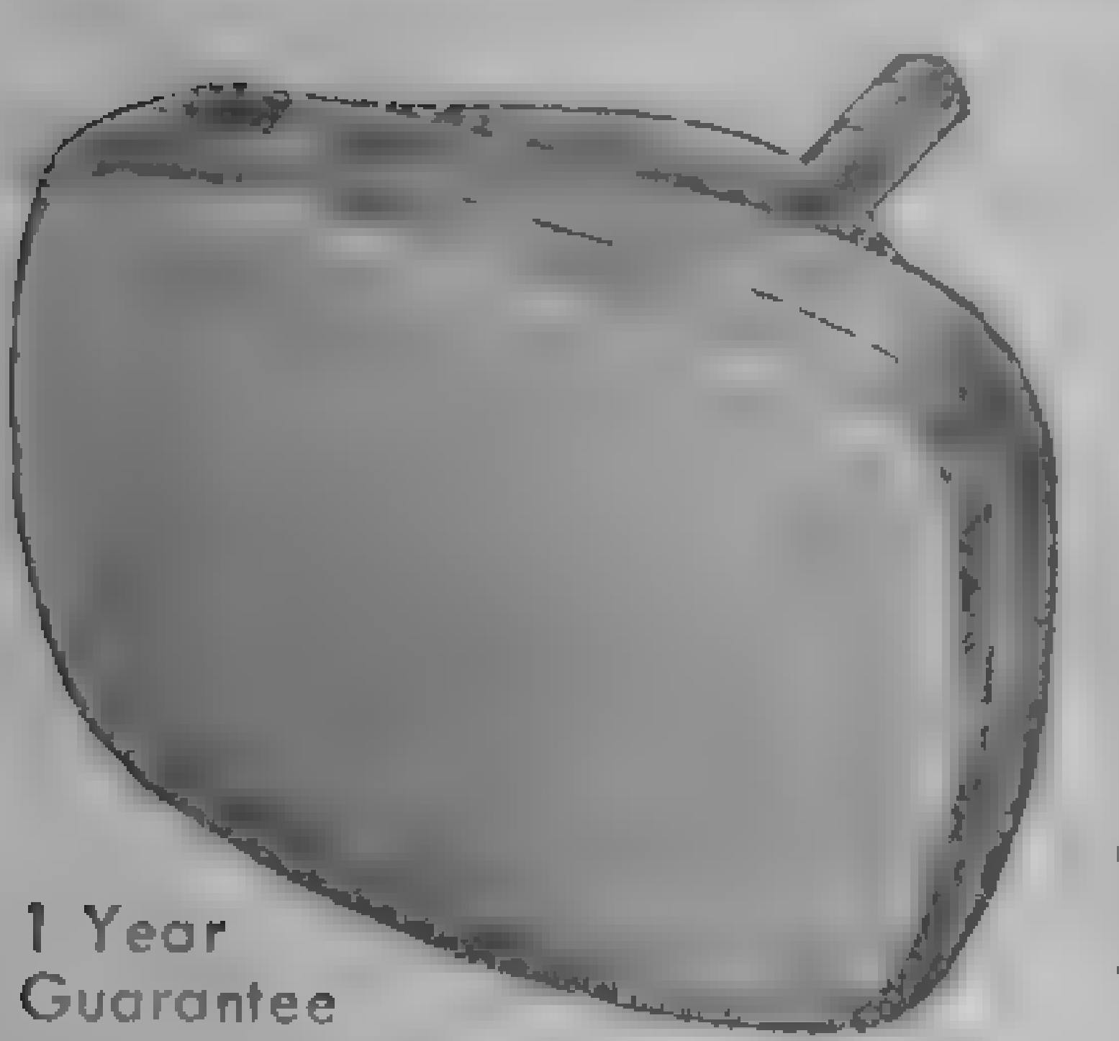
78 S 164. 6-Volt Power Supply. Shpg. wt., 4 lbs. **NET**................11.95

99 SS 969. Additional Transmitting Crystals. *Specify channel and frequency desired.* Shpg. wt., 3 oz. **NET EACH**....................................2.50

HY-GAIN TYPE CW TRANSCEIVER ANTENNA. Mounts directly on rear of transceiver. Extends to 45", telescopes down to 15". Shpg. wt., 6 lbs
77 S 850. NET 5.97

Values in Polaris TV Picture Tubes

LOWEST PRICED FACTORY REBUILTS



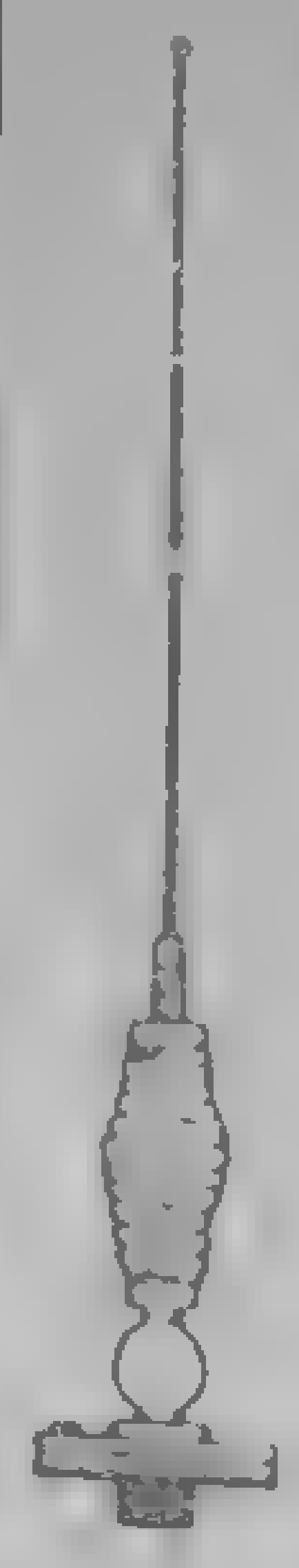
1 Year Guarantee

AS LOW AS 13^{25}

Remarkable savings on popular TV picture tubes. All are high-quality tubes that have been factory rebuilt by experts to give bright, clear pictures. Guaranteed for one full year. Take advantage of these low prices and replace the weak, dim picture tube now in your set. Values like these are really unbeatable. All have magnetic deflection and magnetic focus except ‡magnetic deflection and electrostatic focus. *Aluminized screens. †Indicates 110° deflection types. *When ordering Polaris picture tubes—specify Dept. No. and Tube Type No* **All tubes costing $20.00 or more are now available on Allied's Easy Payment Plan!**

Stock No.		Wt., Lbs.	NET EACH	Stock No.		Wt., Lbs.	NET EACH
Dept.	Type			Dept.	Type		
AU6	12LP4A	17	13.25	AU6	21AP4	25	29.50
AU6	14BP4/CP4	14	13.50	AU6	21ATP4A/21ATP4*‡	33	23.80
AU6	14RP4A*	12	18.00	AU6	21AVP4B/AUP4B/ AVP4A/AUP4A*‡	33	25.00
AU6	16AP4A	17	19.00	AU6	21CBP4*	33	24.95
AU6	16GP4B	16	19.00	AU6	21EP4A	36	20.35
AU6	16RP4A/KP4A*	21	15.50	AU6	21EP4B*	24	22.45
AU6	17AVP4A/ATP4A	17	21.50	AU6	21FP4A‡	36	21.40
AU6	17BP4A	21	15.50	AU6	21FP4C*‡	34	23.60
AU6	17BP4B*	21	18.00	AU6	21WP4	31	22.50
AU6	17BZP4*†	14	24.35	AU6	21YP4‡	33	21.90
AU6	17CP4	16	22.70	AU6	21YP4A*	33	24.50
AU6	17HP4/RP4‡	23	18.00	AU6	21ZP4A	33	21.50
AU6	17HP4A/RP4A*	23	20.50	AU6	21ZP4B*	33	23.85
AU6	17LP4/VP4‡	23	17.75	AU6	24ADP4/VP4A/ CP4A/TP4*	43	35.75
AU6	17QP4	23	17.00	AU6	24AEP4*	43	38.70
AU6	19AP4B	24	23.50	AU6	24AHP4*†	43	40.05
AU6	20DP4A/CP4A	29	19.30	AU6	24DP4A/YP4*	43	36.25
AU6	20DP4C/CP4D*	29	21.45				
AU6	21ACP4A/BSP4/AMP4A*	33	21.90				

CITIZENS BAND MOBILE ANTENNA



- Has 102" Stainless Steel Whip
- Heavy-Duty Spring
- Swivel Base Mount

NET 6^{95}

A highly efficient mobile antenna package for Citizens Band use. Easily mounts on any automobile—provides top-notch communication as you drive. Entire assembly is ruggedly constructed throughout—provides many years of dependable service. Included in this outstanding mobile antenna package are a 102" stainless steel antenna whip that resists the effects of weather, a universal swivel base, plus a heavy-duty mounting spring that withstands sharp impacts and maintains vertical whip position under normal wind loads. Wt., 6 lbs.
78 CZ 182. NET................6.95

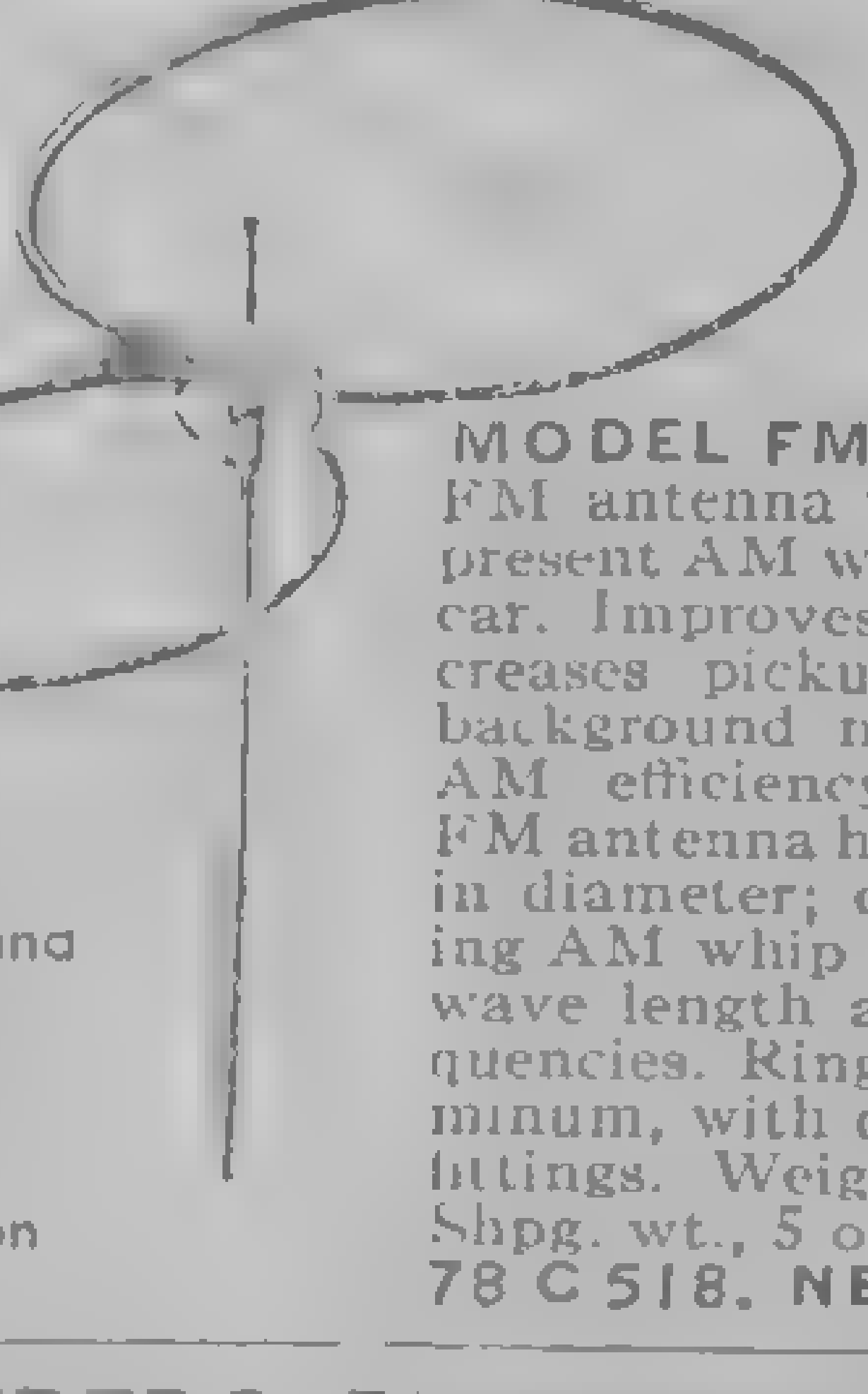
HI-PAR CO-27 CITIZENS BAND COAXIAL ANTENNA

- Sturdy, All-Aluminum Construction
- Proven Performance

NET 14^{95}

Extremely efficient Citizens Band antenna for base station use. Antenna is coaxial type; eliminates need for flexible-wire, ground plane systems. Unit is a full half wave long—requires no loading coils. All-aluminum construction resists weathering; provides years of dependable service. Mounts on ordinary 1¼" TV mast; supported by TV chimney or wall mounts. Overall length, 17' 6". With built-in UHF type coax connector. Wt., 5 lbs.
78 CZ 190. NET............... 14.95

HY-GAIN FM AUTO ANTENNA



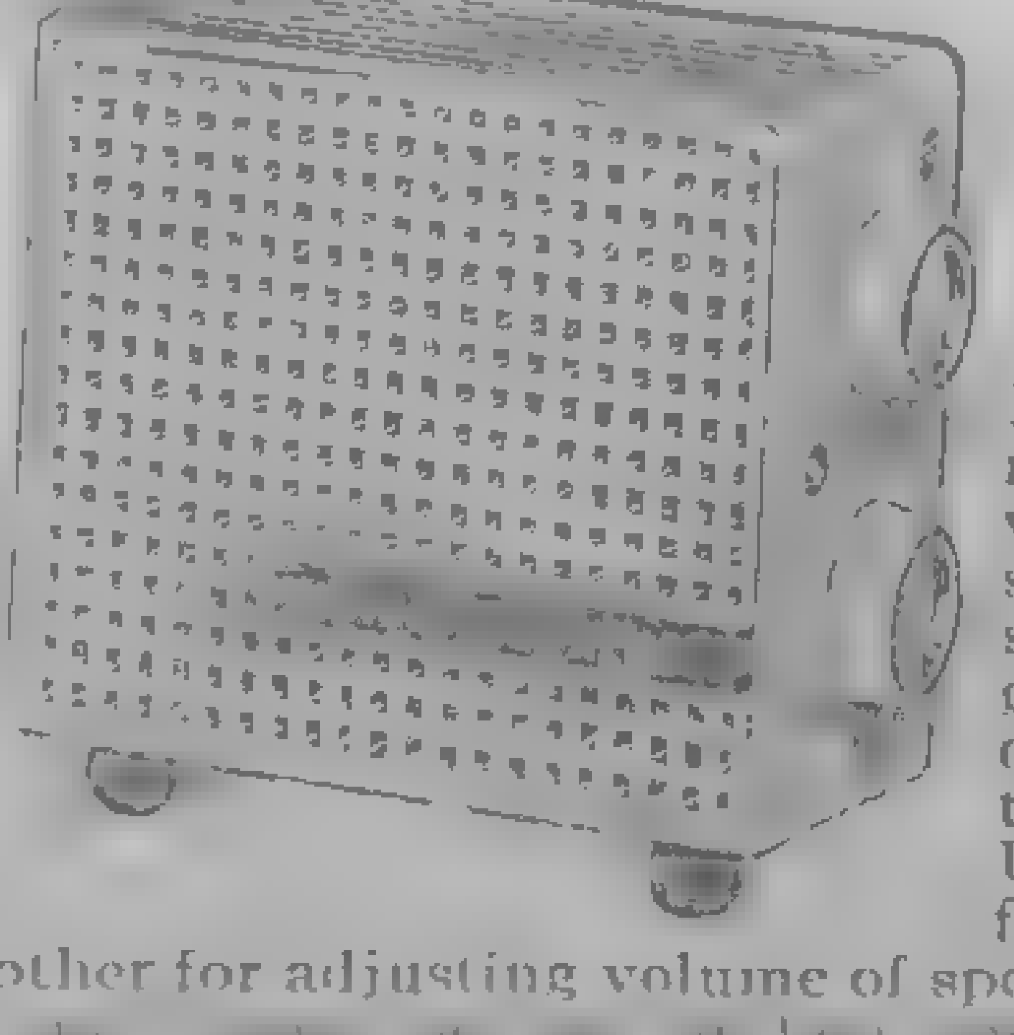
Attaches to Existing AM Whip Antenna in Seconds

Improves FM Reception

ONLY 5^{97}

MODEL FMB. An efficient auto FM antenna that attaches to the present AM whip antenna on your car. Improves FM reception, increases pickup range, decreases background noise—and enhances AM efficiency too! "Butterfly" FM antenna has two rings, each 6" in diameter; converts your existing AM whip into a three-quarter wave length antenna at FM frequencies. Rings are anodized aluminum, with chrome-plated brass fittings. Weighs only 2 ounces! Shpg. wt., 5 oz.
78 C 518. NET......... 5.97

FEDTRO PERSONAL DUAL REMOTE-CONTROL SPEAKER



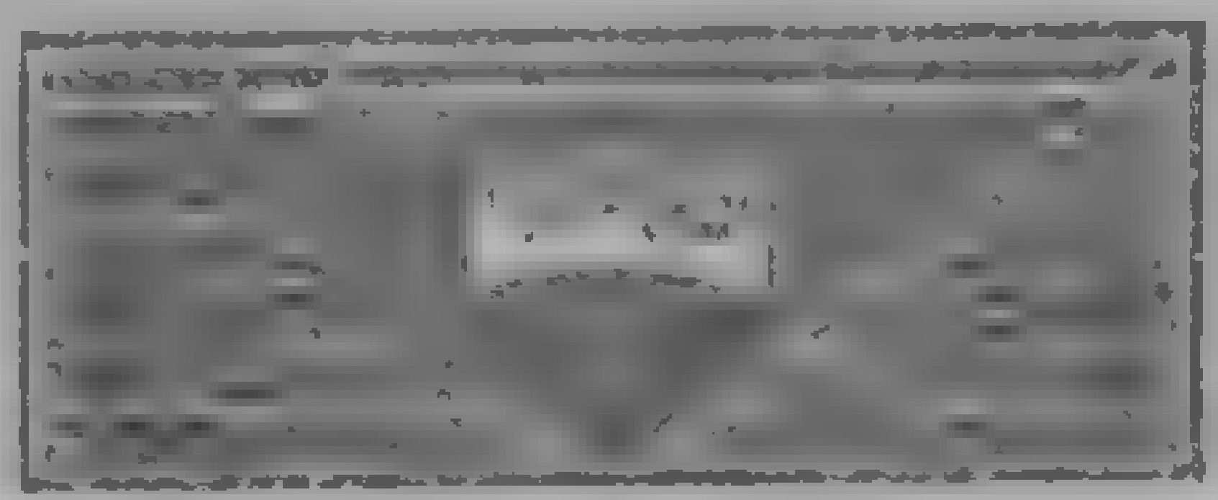
ONLY 5^{85}

Extremely Simple to Install

Enjoy personalized listening from your chair or bed with this remote-control speaker. For use with TV sets, radios and phonographs. Listen to late shows on TV or radio without disturbing others in the house. Unit has two controls—one for controlling set volume; other for adjusting volume of speaker in remote unit. Set or [illegible] all the way off— or both [illegible]. Installation is extremely easy; [illegible] remote unit to speaker leads in [illegible] high-impact ivory plastic case. Size, 3¼x3½x1¾". Imported from Japan. Supplied with 20-ft. of remote cable. Shpg. wt., 1 lb.
81 P 639. NET 5.85

Selected Feature Values

JERROLD "MAGIC CARPET" ANTENNA



- Covers Entire VHF TV Band As Well As FM
- Simple Installation and Orientation; Compact
- Can be Completely Concealed

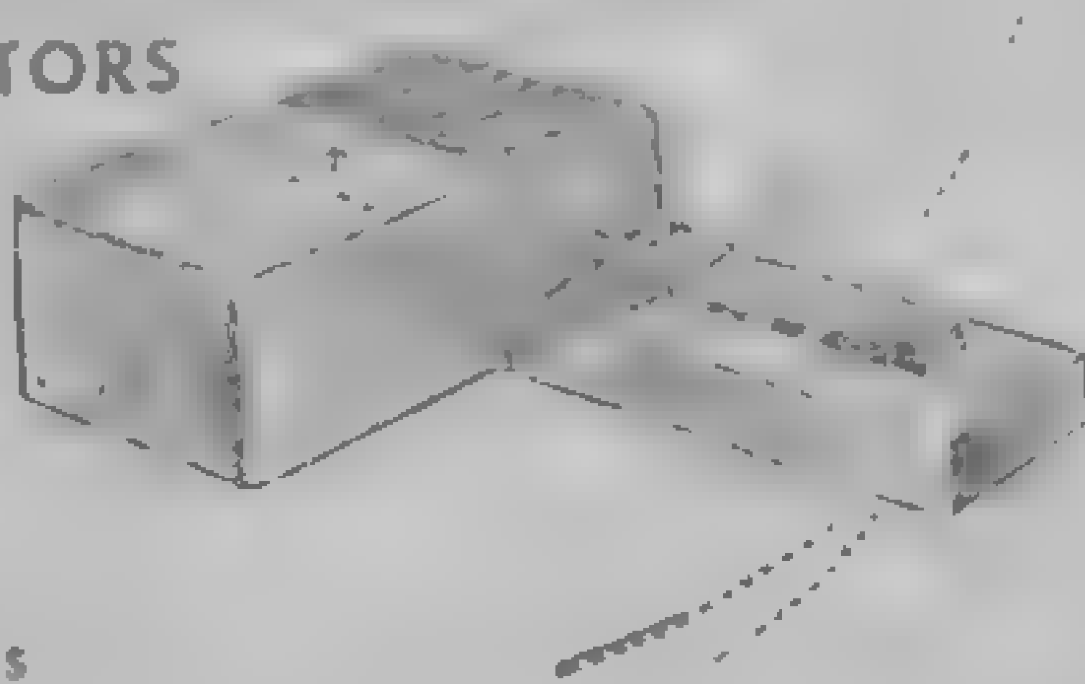
This revolutionary TV-FM antenna produces excellent results when used in locations up to thirty miles from the broadcasting station. Actually a full size conical-type antenna projected on a flat surface 74x27″ in size Designed for use in attics, beneath rugs, on walls, etc. Antenna elements are deposits of finely powdered pure silver in plastic binder, imprinted on a tough, flexible, fibrous sheet. Recommended for use at the highest practicable level within the home (away from metallic plumbing and heating systems). Supplied complete with 25-ft. twin line plus six fasteners. Shpg. wt., 1½ lbs.
78 CX 517. NET. 5.98

REMBRANDT TV PICTURE CLARIFIER

- Gives Fuller Utilization of TV Antenna; Removes Ghosts and Interference
- May Be used with Any Type of Antenna—Outdoor, Indoor or Built-In

New television invention that eliminates irritating ghosts, clears up annoying washed out and blurred pictures. Unique device electronically increases signal utilization from the antenna to provide much better reception in any location. Extremely simple and convenient to operate, unit can be easily connected by anyone in just 60 seconds. Just attach leads from your antenna to the "Picture Clarifier"; attach twin line (supplied) to the television set; and plug line cord into any convenient AC outlet. 12-position dial on control unit for perfect setting. Shpg. wt., 2¼ lbs.
78 C 599. NET 5.95

SYL-A-SCOPE STYLUS INSPECTORS



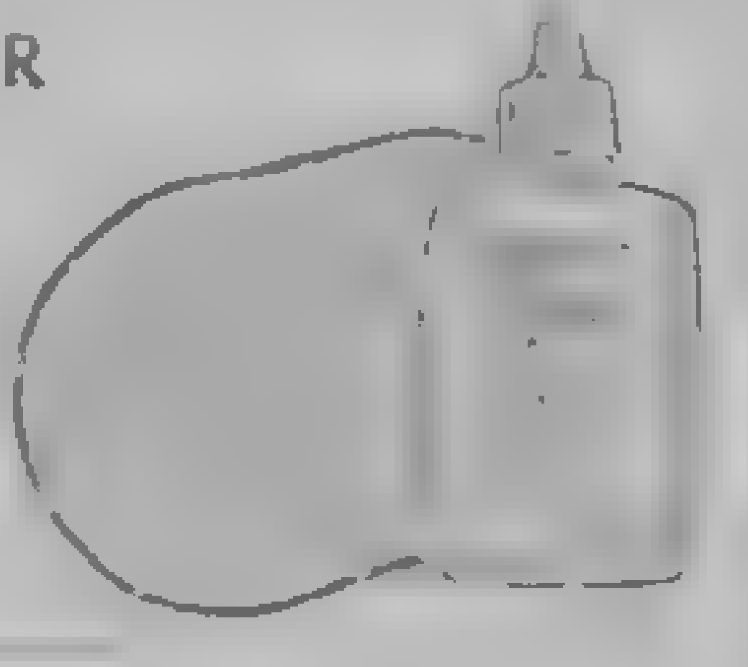
Less Batteries

Two models—one battery-operated; the other AC operated. Give a tremendously magnified view.

MODEL SG-33. Projects magnified stylus image on illuminated ground glass screen. Merely place unit on turntable and put stylus point in holder. Shows condition of stylus clearly. 5½x3½x1¼″. With on/off switch and bulb. Less batteries, below. 9 oz.
59 R 990. List, $6.75. **NET**..........4.95
52 E 330. Replacement Bulb. For SG-33. 2 oz. **NET EACH**... 17¢
53 J 031. Batteries For Above. 2 required. **NET EACH**.........10¢

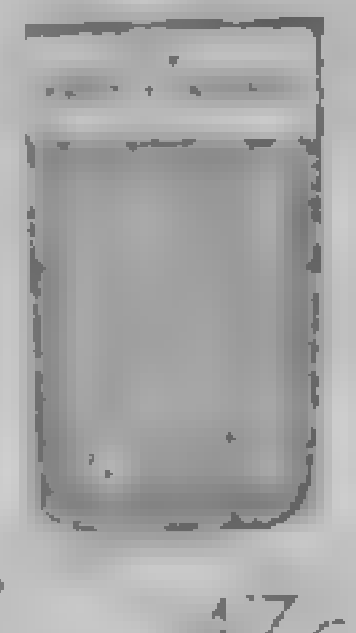
MODEL SG-66. Professional version above. Metal housing. 7x5¼x3⅞″. For 110-120 v., 60 cycle AC. Shpg. wt., 1½ lbs.
59 R 991. List, $19.95. **NET**..........14.95
52 E 387. Replacement Bulb. For SG-66. 2 oz. **NET EACH**....20¢

STAT-SIL RECORD WIPER



New efficient way to clean your precious records. Place record on turntable or changer, set it in motion at 33⅓ rpm. As record revolves, apply several drops of Stat-Sil to record and wipe with the exclusive wiper supplied. Removes harmful dust particles—cannot damage your records. Shpg. wt., 5 oz.
59 R 945. NET 98c

SPEAKER GRILLE CLOTH AND SCREENING



Beautiful patterns in high-quality, durable [illegible] for modernizing old cabinets and for [illegible] custom enclosures. Specially designed for acoustic use

Size	Mahogany	Ivory	Shpg. Wt.	NET
12x12″	43 N 605	43 N 608	2 oz	.47
13x24″	43 N 606	43 N 609	4 oz	.79
36x36″	43 N 607	43 N 610	6 oz	3.75

G-C Fabric Cement. Ideal for grille cloth. 2-oz. bottle. 8 oz
43 N 123. NET.......................... 47c

Flock-Coated Wire Grille Screening. Soft, brown color.
86 N 060. 8x11″. Shpg. wt., 4 oz. **NET** 56c
86 NX 061. 18x24″. Shpg. wt., 12 oz. **NET**....................1.88

ALLIED SPEAKER REPAIR SERVICE

Hi-Fi Speaker Service. Includes replacing cone, gasket, voice coil, spider and dust cover. Pack speaker carefully and ship to us by insured parcel post or express. Allow 30 days for return delivery.
8″ Hi-Fi Speaker. Repair Service. 7.50
12″ Hi-Fi Speaker. Repair Service..........................11.25
15″ Hi-Fi Speaker. Repair Service..........................15.00

Standard Speaker Service. Covers rebuilding general purpose radio, TV and phonograph speakers. Additional charges for field coil repair or replacement are as follows: $1.25 for 4″ to 9″; $2.25 for 10″ to 12″. Field coils welded into speaker frames cannot be replaced. Ship speaker to us prepaid and send remittance (including postage) with order. Allow 30 to 45 days for return delivery of repaired speaker.

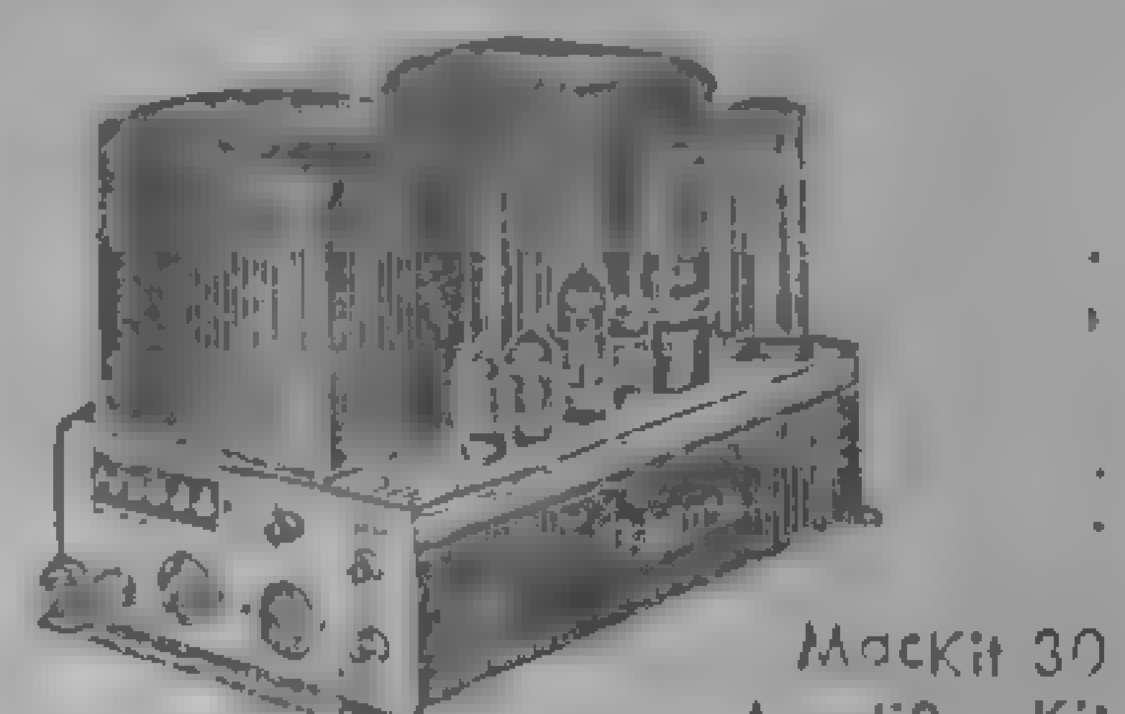
Size	Service	Size	Service	Size	Service
4″ to 6″	1.75	14″ to 15″	3.85	5″x7″ oval	2.55
6½″ to 9″	2.55	4″x6″ oval	2.00	6″x9″ oval	2.75
10	2.95	11″ to 12″	3.25		

McINTOSH 30-WATT BASIC AMPLIFIER KIT

- Identical to the Famous MC-30 Monophonic Amplifier
- Easy-to-Follow Instructions
- Premium-Quality Parts

NET $120^00

$5 down



MacKit 30 Amplifier Kit

Long an audiophile's favorite in the factory-wired model, the MacKit 30 offers 30 watts of flawless monophonic reproduction—use two with a stereo preamp for superb stereo response. Circuit employs patented "unit coupling" feature that provides greater power output without distortion. Only 0.5 volt input is required for full 30-watt output. *Frequency Response:* ±0.1 db, 20-30,000 cps. *Distortion:* Harmonic, less than ⅓% at 30 watts; IM, less than 0.5%. *Hum & Noise:* −90 db. *Output Impedances:* 4, 8, 16, 600 ohms and 70.7 v.

Attractive black and chrome styling blends well in any setting. Complete with all parts and clear, easy-to-follow instruction booklet. 8x13x8″. For 110 120 volts, 50-60 cycle AC. Shpg. wt., 36 lbs.
85 SU 561. *Only $5 Down.* **NET** 120.00

REK-O-KUT MODEL S-220 PICKUP ARM

Includes all cable and ground wire

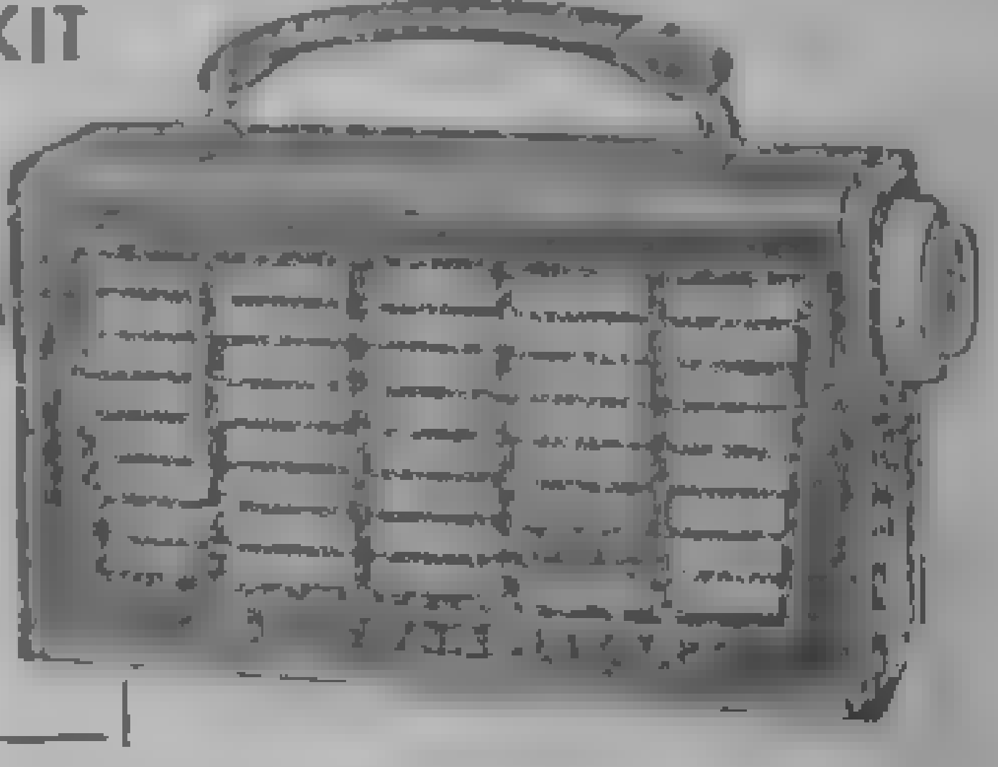
No Soldering Required

MODEL S-220. Latest in a series of outstanding stereo pickup arms from one of hi-fi's renowned names. Engineered for new convenience of installation—designed to get the maximum out of stereo records. Unit is installed without soldering; included are plug-in cable, plug-in leads, shields and a ground wire. Perfect balance is achieved easily—static [illegible] cartridge installed and counterweight positioned [illegible] dynamic balance is created by dialing cush-[illegible] control on arm. Free vertical and lateral motion assure perfect tracking [illegible] includes two double sets of 5-ball 1 mm bearings. With 4-wire shell. 2¼ lbs.
72 RX 754. *Only $2 Down.* **NET** 29.95
72 RX 755. As above, but for 16″ records. **NET**...... 34.95
72 R 756. Extra Model PS-20L Plug-in Shell. NET. 5.95

EICO 6-TRANSISTOR PORTABLE KIT

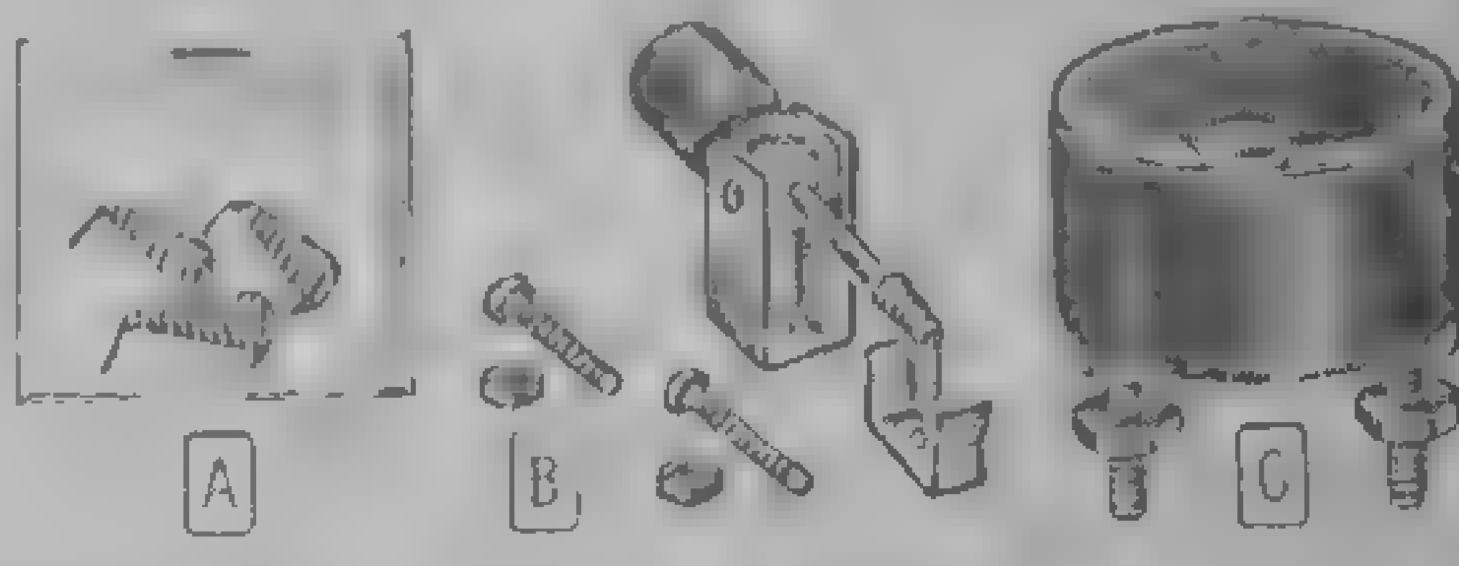
Compact and lightweight; includes large 4x6″ speaker for excellent tone quality. Carrying case has retractable handle.

NET $29^95 $2 down



Modern superheterodyne portable radio kit featuring efficient, all-[illegible]r circuitry. Use of fine quality parts throughout assures top per-[illegible] built-in ferrite rod antenna provides excellent reception even [illegible]lt conditions. Push-pull audio output stage combined with [illegible] speaker gives full-toned, "big set" response. Has earphone [illegible] private listening. Easy vernier tuning. Six transistors used [illegible] are all plug-in type. Housed in attractive simulated tan [illegible] carrying case with retractable handle. Size, 1½″ high, 8½″ [illegible] and 2½″ deep. Less battery, below. Shpg. wt., 3 lbs.
85 SX 550. *Only $2 Down.* **NET**..........................29.95
85 SX 551. As above, but factory-wired. **NET**..................49.95
[illegible] **J 684. Burgess 2N6 Std. Battery For Above. NET EACH**..1.30

PHILMORE CRYSTAL SET ACCESSORIES



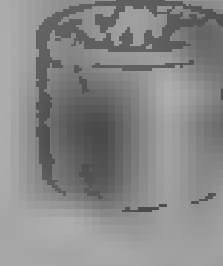
[A] **Cat Whiskers.** Set of two high-quality cat whiskers for use in crystal sets. Carefully made from top grade, tested spring steel. Provide proper tension for all detectors. 3 oz.
52 S 011. NET...15c

[B] **Detector Mount Kit.** Crystal holder, cat-whisker and hardware. Less crystal. Uses No. 52 S 005 or 52 S 006. Shpg. wt., 3 oz.
52 S 003. NET EACH..........................15c

Detector Mount Kit on Base. As above, but on fiberboard base. With Fahnestock clips. Shpg. wt., 5 oz
52 S 004. NET EACH 32c

[C] **Fixed Detector.** Permanently adjusted, sensitive, meter-tested crystals. In bakelite case. Shpg. wt., 3 oz.
52 S 001. NET EACH..........................71c

Meter-Tested Crystal. (Not illustrated.) Laboratory tested and selected to assure excellent performance. Shpg. wt., 3 oz.
52 S 006. NET EACH 15c



Mounted Economy Crystal. A highly sensitive, general-purpose crystal for dependable performance and sensitive reception in crystal receivers of all types. Genuine Galena crystal—securely mounted in lead housing. Shpg. wt., 2 oz.
52 S 005. NET EACH..........................7c

IT'S EASY TO ORDER FROM ALLIED

HOW TO ORDER

Use our order blanks or your own purchase order forms or stationery. Please fill in all information requested on our order blank. If you use your own order forms or stationery, show our stock number, quantity, name of item, manufacturer's type number and price. Remit to cover the full amount of the merchandise, plus postage and insurance for parcel post shipments. Don't worry about sending too much. **Every cent extra will be refunded.**

"U" AND "Z" ITEMS SHIPPED EXPRESS OR TRUCK

The letter "U" or "Z" in our stock numbers (as in 35 DU 717 or 91 CZ 331) identifies items which are fragile or exceed parcel post size or weight limits. Such items are shipped by express, truck or the best low cost method. ("U" items will be shipped by package delivery truck in Chicago and Zones 1 and 2, at Parcel Post rates.)

HOW TO SEND MONEY

The best way to send money is by post-office or express money order, bank draft or check. Avoid sending coin or currency, but if necessary, be sure to register your letter. Please do not remit in stamps except if necessary on very small orders. For rush handling, telegraph your order and money.

ABOUT C.O.D. ORDERS

You will save money by sending cash in full with your orders. On parcel post C.O.D. shipments, the Post Office charges a C.O.D. collection fee and also a money order fee for forwarding the C.O.D. amount to us. Similar fees are collected on express and freight C.O.D. shipments. It will pay you to remit in full and save the C.O.D. charges. If a C.O.D. shipment is unavoidable, your order should be for a minimum of $5.00, with a deposit of at least 20%. Please include full remittance with any orders for less than $5.00.

PARCEL POST C.O.D. FEES

$0.01 to $5.00	.30c	$50.01 to $100.00	.80c
5.01 to 10.00	.40c	100.01 to 150.00	.90c
10.01 to 25.00	.60c	150.01 to 200.00	1.00
25.01 to 50.00	.70c		

MONEY ORDER FEES

From $0.01 to $ 5.00	15c
From 5.01 to 10.00	20c
From 10.01 to 100.00	30c

SHIPPING INFORMATION AND HOW TO ESTIMATE CHARGES

PARCEL POST: Size and weight limits will vary depending on your postal zone from Chicago and the type of post office area in which you live. Items not mailable are identified by "U" or "Z" in our stock numbers. See explanation in column at left. Please send enough money to cover merchandise, postage and insurance on parcel post orders. Catalog gives approximate shipping weights. If you send too much, **we will refund every penny not used.** In case of insufficient remittance we ship C.O.D. for balance. To protect you we insure all parcel post with a dependable private insurance company. Allow for insurance:

Up to $5.00	5c	$10.01 to $25.00	15c	$50.01 to $100.00	30c
$5.01 to 10.00	10c	25.01 to 50.00	20c	100.01 to 200.00	35c

HOW TO ESTIMATE PARCEL POST CHARGES

Up to 16 ounces, all zones, allow 3c for first 2 ounces, 1½c for each additional ounce

The post office charges a fraction of a pound as a full pound. For example, if the total weight is 5 pounds and 1 ounce to Zone 4, postage would be for 6 pounds (70¢).

WEIGHT 1 Lb. and Not Exceeding	Chicago	1st & 2nd Zone, up to 150 mi.	3rd Zone 150 to 300 mi.	4th Zone 300 to 600 mi.	5th Zone 600 to 1000 mi.	6th Zone 1000 to 1400 mi.	7th Zone 1400 to 1800 mi.	8th Zone Over 1800 mi.
2	$0.24	$0.33	$0.35	$0.39	$0.45	$0.51	$0.58	$0.64
3	.26	.38	.41	.47	.55	.64	.74	.83
4	.28	.43	.47	.55	.65	.77	.90	1.02
5	.30	.48	.53	.63	.75	.90	1.06	1.21
6	.32	.53	.59	.70	.85	1.03	1.22	1.40
7	.34	.58	.65	.77	.95	1.16	1.38	1.59
8	.36	.63	.71	.84	1.05	1.29	1.54	1.78
9	.38	.68	.77	.91	1.15	1.42	1.70	1.97
10	.40	.73	.83	.98	1.25	1.55	1.86	2.16
11	.42	.77	.89	1.05	1.35	1.67	2.02	2.34
12	.44	.81	.95	1.12	1.45	1.79	2.18	2.52
13	.46	.85	1.01	1.19	1.55	1.91	2.34	2.70
14	.48	.89	1.07	1.26	1.65	2.03	2.50	2.88
15	.50	.93	1.13	1.33	1.75	2.15	2.66	3.06
16	.52	.97	1.18	1.40	1.85	2.27	2.81	3.24
17	.54	1.01	1.23	1.47	1.95	2.39	2.96	3.42
18	.56	1.05	1.28	1.54	2.05	2.51	3.11	3.60
19	.58	1.09	1.33	1.61	2.15	2.63	3.26	3.78
20	.60	1.13	1.38	1.68	2.25	2.75	3.41	3.96
21	.62	1.17	1.43	1.75	2.34	2.87	3.56	4.14
For Each Extra Lb.	Add 2c	Add 4c	Add 5c	Add 7c	Add 9c	Add 12c	Add 15c	Add 18c

Over 20 pounds shipped express or truck. See below.

TRUCK AND RAIL FREIGHT: Freight is the cheapest form of transportation on the heavier shipments (minimum charge is for 100 lbs). Truck shipment is especially economical on shipments of about 70 lbs. or more. The approximate truck freight charges shown below will differ in various sections of the country. Freight charges are collected on delivery.

HOW TO ESTIMATE TRUCK FREIGHT CHARGES

	Maximum Distance in Miles							
	50	150	300	500	750	1000	1500	2250
Minimum Charge 100 lbs.	3.91	3.91	4.18	4.44	4.70	5.46	7.40	9.28
For each Extra Lb.	2c	3c	3c	4c	4c	4c	7c	9c

EXPRESS: Please remit full amount for merchandise, **but do not send any money for express charges with your order.** Shipping charges are collected on delivery at no extra cost to you. All "U" and "Z" items (see column at left) are usually shipped by express or truck. In addition, to assure safe arrival, we ship by express many hi-fi units, transmitting and TV tubes, test units, and other fragile merchandise.

HOW TO ESTIMATE EXPRESS CHARGES

(Rates are about 10% higher to eastern states.)

Weight in Pounds	Mileage							
	[illegible]	150	300	500	750	1000	1500	2250
5	[illegible]	2.31	2.40	2.48	2.56	2.64	2.80	3.02
10	2.37	2.43	2.64	2.83	2.98	3.14	3.44	3.90
15	2.47	2.64	2.90	3.16	3.38	3.61	4.08	4.78
20	[illegible]	2.81	3.15	3.49	3.79	4.10	4.74	5.66
25	2.69	2.99	3.33	3.83	4.22	4.61	5.37	6.53
35	[illegible]	[illegible]	3.93	4.49	5.03	5.57	6.65	8.29
45	3.14	[illegible]	4.39	5.16	5.87	6.46	7.96	10.05
55	3.35	[illegible]	4.87	5.85	6.69	7.34	[illegible]	11.80
70	[illegible]	[illegible]	5.62	6.84	7.93	9.01	11.19	14.43
80	[illegible]	[illegible]	6.13	7.52	[illegible]	[illegible]	12.47	16.16
For Each 100 Lbs.	4.33	[illegible]	7.13	8.85	[illegible]	11.95	15.04	[illegible]

AIR SHIPMENTS: We will ship your order by Air Parcel Post, Air Express or Air Freight if you instruct us to do so. Air Parcel Post rates are given below. Consult your local express office for Air Express charges, and your nearest commercial airport office for Air Freight rates. Air Parcel Post size and weight limits are 70 lbs. and 100", length and girth combined.

AIR PARCEL POST RATES

(7c per ounce, up to 8 ounces)

ZONES	1, 2 & 3	4	5	6	7	8	U. S. Territories, Possessions and APO & FPO Addresses, 80c per lb.
[illegible]	60c	65c	70c	75c	[illegible]	80c	
For Each Extra Lb.	Add 48c	Add 50c	Add 56c	Add 64c	Add 72c	Add 80c	

IMPORTANT ORDER INFORMATION

Every item you buy from us must satisfy in every way—or we want you to return it to us for exchange, repair or refund. See Page 1 for full details of our guarantee which protects you on every purchase. Your complete satisfaction is guaranteed.

ALLIED'S GUARANTEE TO YOU

CASH TERMS

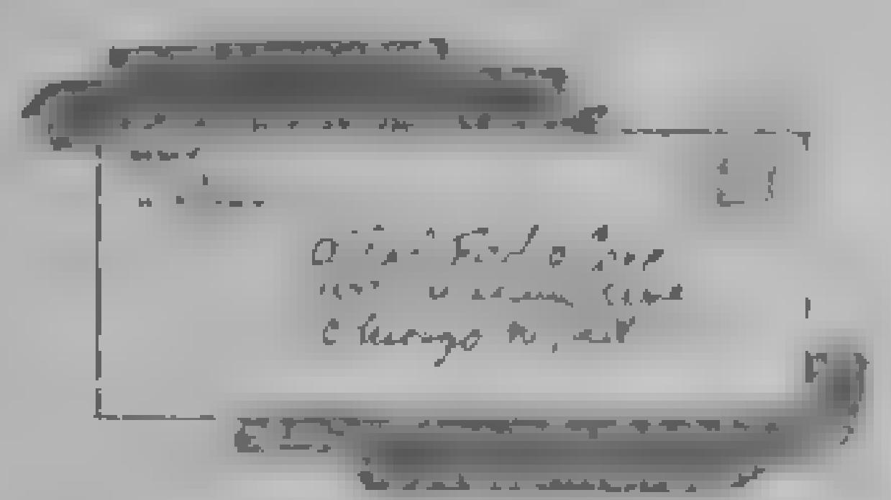
Our general terms of sale are cash with order. You save payment of C.O.D. fees by including full remittance with your order. Every penny not used is refunded. If desired, we will ship C.O.D. See opposite page for C.O.D. orders.

EASY PAY TERMS

You can buy anything in this catalog for as low as $2.00 down with up to 24 months to pay. The minimum order is only $20.00. Your application form is on the back of our order blanks. It's easy to open an Easy Pay account. See page 436 for details.

OPEN ACCOUNTS

We ship on open account to well-rated firms, schools, institutions and government agencies. Firms without a published rating may apply for an open account by submitting either trade or bank references. Terms are net, 10 days, E.O.M.



IF IT IS NECESSARY TO WRITE TO US . . .

On cash and Easy Payment orders, we return your original order and all related papers. Our billing forms explain how your order was handled and priced. If you find it necessary to write us, please include all order papers and correspondence that apply. If you do not have the order papers, be sure to give in detail the stock numbers and descriptions of the items ordered and the same name and address as on your original order. **On Open Account orders,** only your invoice number is necessary.

HOW TO RETURN MERCHANDISE

Please include your instructions with your shipment, pack the merchandise carefully and insure.

On parcel post, place your instructions, all order papers and correspondence in an envelope **inside** your package. On the outside, mark "First Class Mail Enclosed" and affix additional four cents postage for the enclosure.

On express shipments, place all papers in a **stamped** and sealed envelope inside the package. Date this envelope and draw several lines across postage stamp with a pen.

Your name and address should be plainly marked on your enclosure as well as on the outside of your package.

ABOUT OUR PRICES

You Pay NET Catalog Prices. Catalog prices are net, f.o.b. Chicago, except where otherwise indicated. All trade and applicable cash discounts have already been deducted from every price. Our NET catalog prices are the prices you pay on shipments to the United States, Canada and Puerto Rico. (See "Export Prices" below.)

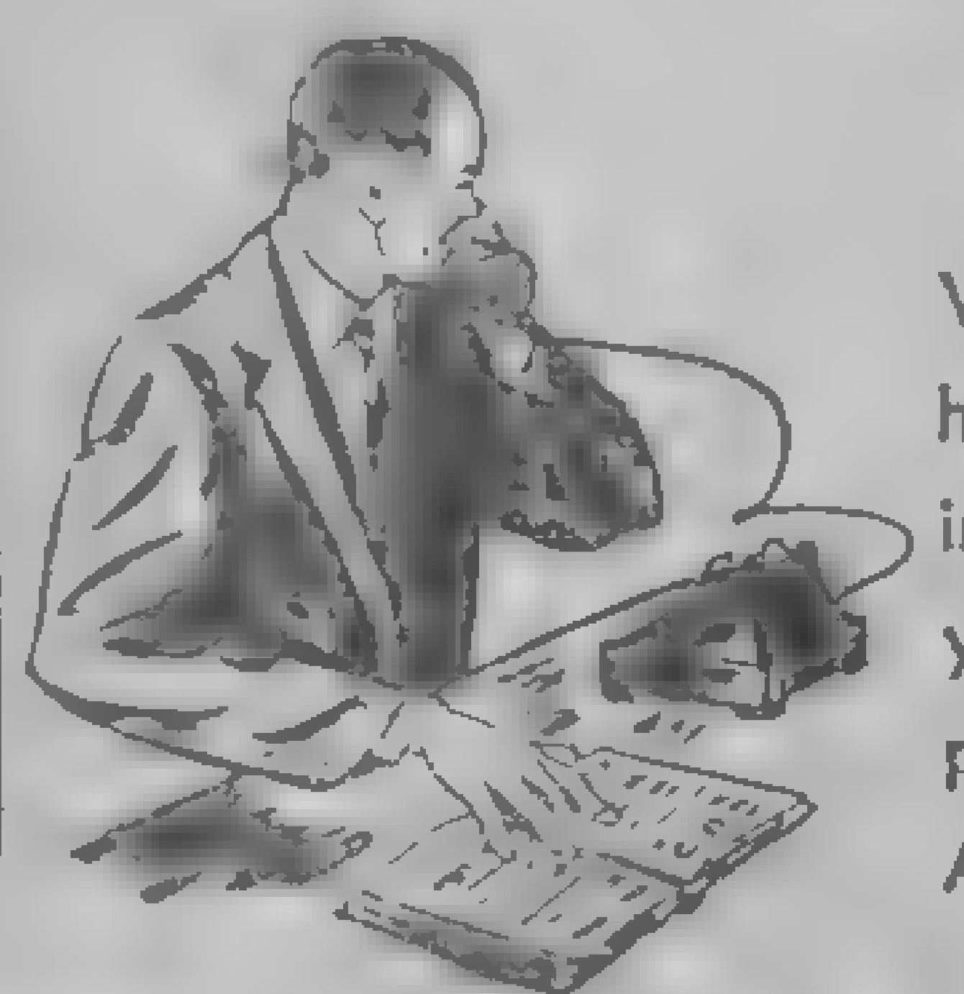
Your Order is Shipped at the Current Price. Prices in this book replace prices in all previous Allied catalogs and are subject to change without notice. *Orders will be filled at prices in effect at time of shipment.*

You Get Immediate Benefit of Any Price Reductions. If prices are reduced during the life of this catalog, we always give you the advantage of the lower prices and refund the difference. We reserve the right to add any Federal, State or Local taxes now in effect or which may be levied after this catalog is printed.

List Prices. Any list prices shown in this catalog are those which have been suggested by our suppliers and are not our list prices, nor our selling prices. List prices are not shown to indicate price savings, but are for the information of customers who purchase for resale. Our NET catalog prices are the prices you actually pay.

Export Prices. All prices and terms shown in this catalog apply only to residents of the United States, Canada and Puerto Rico. For prices and terms to other countries, please write to our Export Department.

TELEPHONE ORDERS



Phone: HAymarket 1-6800

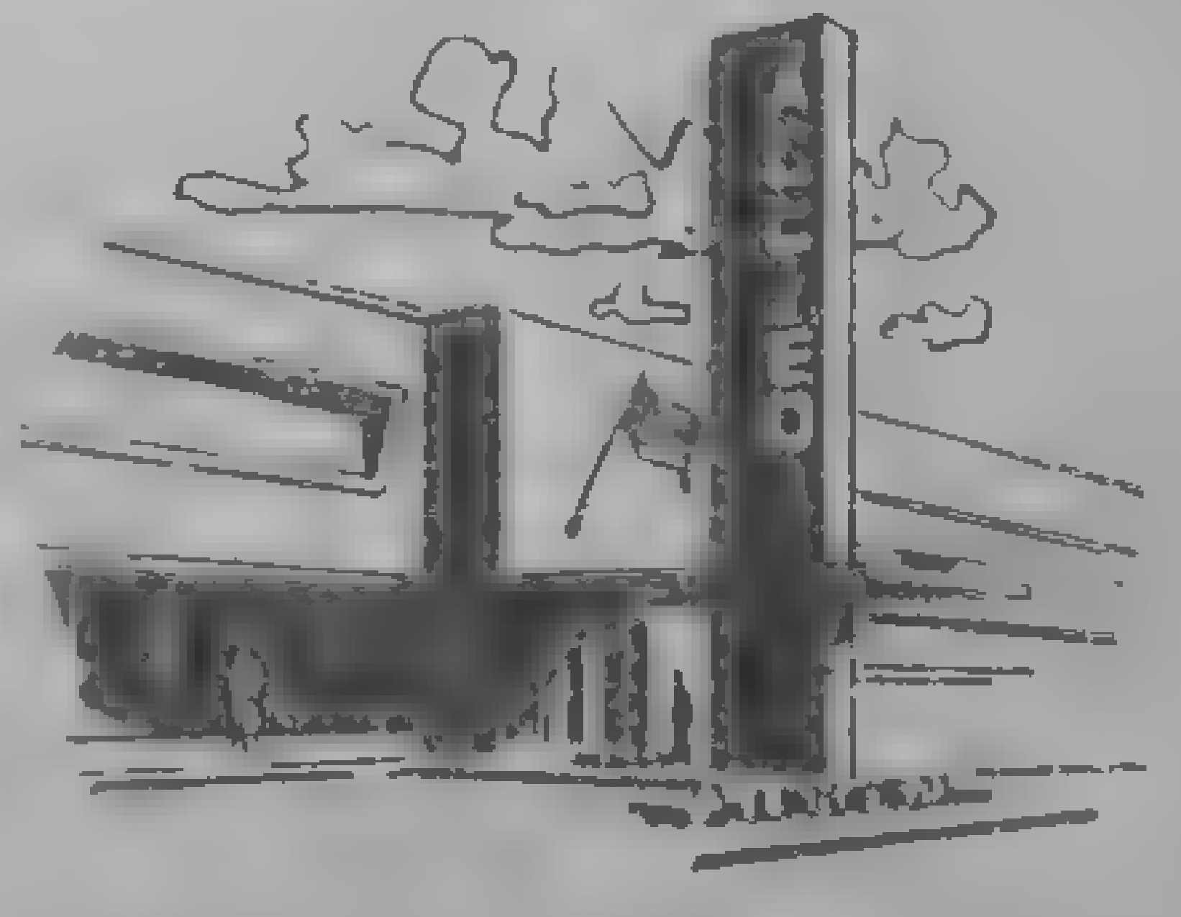
We have a specially trained staff to handle your telephone orders. If you are in a hurry for any merchandise, telephone your order. It will be filled and shipped promptly. For extra-fast service, specify Air Shipment (see opposite page).

VISIT OUR CENTRAL SALESROOMS AND HI-FI STUDIOS

Salesrooms where you can obtain all merchandise listed in this catalog, as well as High-Fidelity demonstration studios, are located in our main building at 100 N. Western Ave. You are invited to come in to see us. Enjoy a thrilling Hi-Fi demonstration, check the Knight-Kits wired for your inspection, and examine tape recorders, tools, test instruments, sound equipment, and the great variety of other merchandise we have on display.

Our location at Western Avenue and Washington Blvd. is only a short distance from Chicago's Loop.

HOURS: Monday and Thursday, 9:00 A.M. to 9:00 P.M.
Other weekdays, and Saturday, 9:00 A.M. to 5:30 P.M.



100 N. WESTERN AVE.
CHICAGO 80, ILL.

ALLIED Easy Payment Plan

brings you INCREASED BUYING POWER

Enjoy These Buying Advantages Today . . .

1. **Only $2 to $5 down on orders up to $200**
2. **Only $10 down on orders over $200**
3. **Up to 24 months to pay**
4. **No down payment with Add-on purchases**

EVERYTHING in our catalog is now available on EASY TERMS

It's EASY to Open An Account at ALLIED.
Choose Either Regular or Extended Terms Below.

ALLIED EASY PAYMENT TERMS

Minimum Order—$20.00 total cash value.

Down Payment—Orders of $20.00 to $50.00, $2.00 down; orders of $50.01 to $200.00, $5.00 down; orders over $200.00, $10.00 down. (Larger down payment reduces handling charge and monthly payment.) No down payment required on add-ons of less than $100.00.

Handling Charge—The moderate handling charges are clearly shown in the table below. All charges are included for handling and financing your Easy Pay account. There is nothing else to pay.

Extended Terms—You have a choice of making your easy payments under the Regular or Extended terms shown in the table below. The new extended terms permit you to make smaller payments each month over a longer period, up to 24 months. When you place your order, please indicate in the space provided on the front of our order blank whether you prefer regular or extended terms.

NO HANDLING CHARGE IF PAID IN 60 DAYS

On any Easy Term purchase, you may take the full time to pay if you wish, but if you complete your payments within sixty days after shipment, you will receive a full refund of handling charges. This is an extra benefit to you on Allied's Easy Pay Plan.

HOW TO ORDER ON EASY TERMS

Everything in this catalog may be purchased on Easy Pay Terms. Use your Allied order blank to enter the merchandise you want. Fill in the answers to the simple questions on the back of the order blank and sign it. Attach your remittance for the down payment with your order. It will be shipped as soon as your credit is approved. The first payment is not due until at least 30 days after shipment. A simplified monthly statement provides all details. No red tape—no finance companies to deal with—no hidden charges. Any responsible person of legal age, with a steady income, can get credit approved. More order blanks will be sent on request.

"ADD-ON" PURCHASES

Once your credit is established, you can "add on" to your account with purchases of $20 or more. No down payment is required on add-ons or re-opened accounts for less than $100.00. Simply list the items you want on our order blank, give your account number and sign on the reverse side. You pay on only one account.

NEW SIMPLIFIED MONTHLY STATEMENTS

New high-speed calculators handle your account for fast, accurate service. A personalized monthly statement shows your current balance, amount of monthly payment, payment date, how much you can add on without increasing monthly payment, and other details.

EASY PAYMENT TABLE

REGULAR TERMS			*EXTENDED TERMS*		REGULAR TERMS			*EXTENDED TERMS*	
If Unpaid Balance Is	Handling Charge	Monthly Payment	*Handling Charge*	*Monthly Payment*	If Unpaid Balance Is	Handling Charge	Monthly Payment	*Handling Charge*	*Monthly Payment*
Up to $20.00	$2.00	**$5.00**	NOT APPLICABLE TO ORDERS UNDER $50.00		$130.01 to $140.00	$14.00	**$11.00**	$21.00	**$7.00**
20.01 to 30.00	3.00				140.01 to 160.00	16.00	**12.00**	24.00	**8.00**
30.01 to 40.00	4.00				160.01 to 180.00	18.00	**13.00**	27.00	**9.00**
40.01 to 50.00	5.00				180.01 to 200.00	20.00	**14.00**	30.00	**10.00**
50.01 to 60.00	6.00	**6.00**	$7.00	**$5.00**	200.01 to 225.00	22.50	**15.00**	34.00	**11.00**
60.01 to 70.00	7.00	**7.00**	8.00		225.01 to 250.00	25.00	**16.00**	38.00	**12.00**
70.01 to 80.00	8.00		9.00		250.01 to 275.00	27.50	**17.00**	42.00	**14.00**
80.01 to 90.00	9.00	**8.00**	11.00		275.01 to 300.00	30.00	**19.00**	45.00	**15.00**
90.01 to 100.00	10.00	**9.00**	13.00		300.01 to 350.00	35.00	**21.00**	51.00	**17.00**
100.01 to 110.00	11.00	**10.00**	15.00	**6.00**	350.01 to 400.00	40.00	**24.00**	58.00	**19.00**
110.01 to 120.00	12.00		17.00		400.01 to 450.00	45.00	**27.00**	66.00	**22.00**
120.01 to 130.00	13.00		19.00	**7.00**	450.01 to 500.00	50.00	**30.00**	73.00	**24.00**

NOTE: On orders over $500.00, send down payment of $10.00 or more. Payments and handling charge will be in proportion to amounts shown on chart.

NOTE: Allied's Easy Payment Plan is offered to residents of the United States, Canada, and Puerto Rico. It does not cover shipments to other U.S. Possessions or terr., or other countries.

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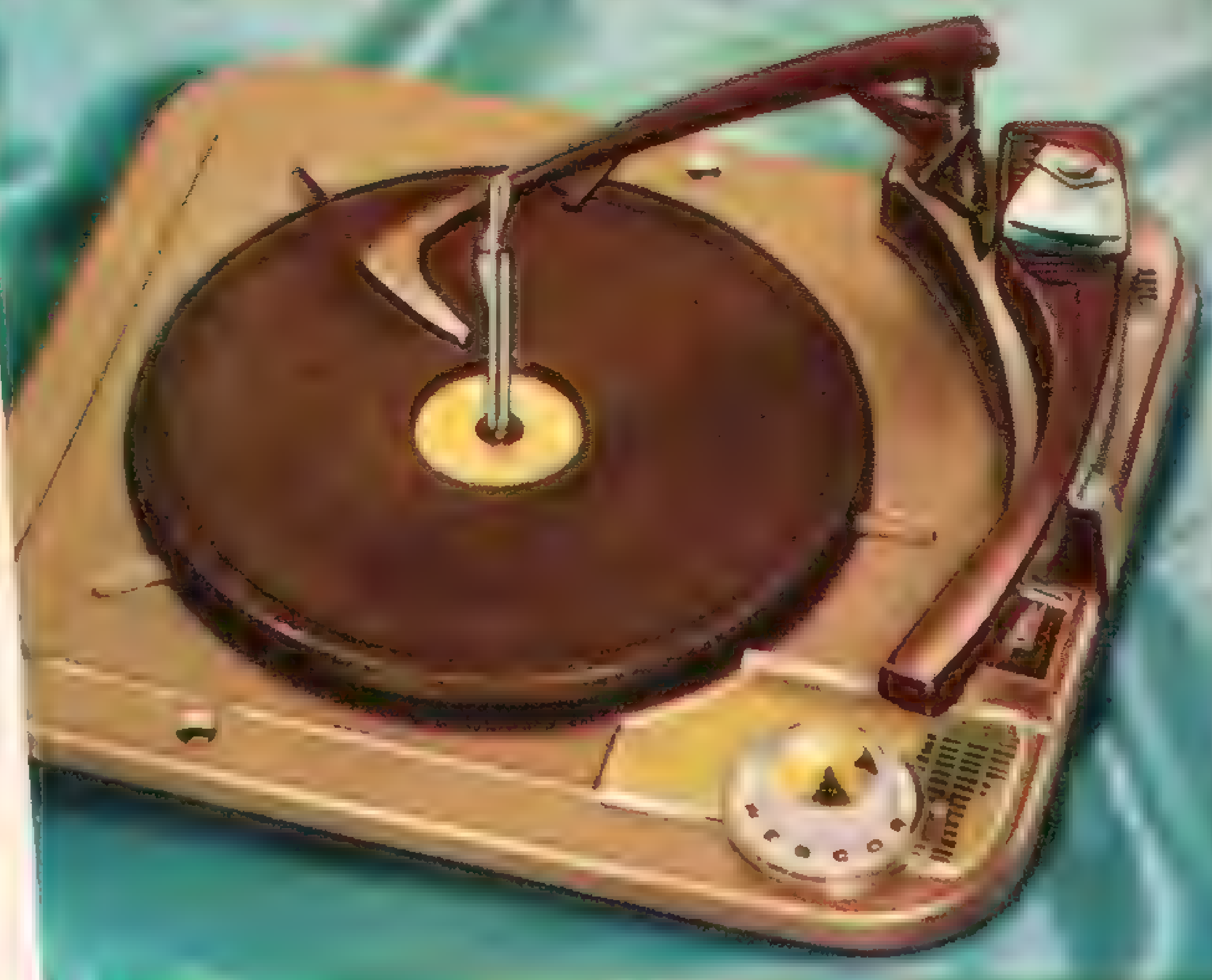
WEBCOR STEREO HI-FI COMPONENTS



"IMPERIAL" STEREO DISKCHANGER

1031-21 with Shure M8D Stereo Cartridge

NET

$65.71

$5 Down

- Precision, Customized Features
- Top-of-Arm Pressure Adjustment
- Hum-Free 4-Pole, 4-Coil Motor
- Outstanding Stereo Cartridge with Diamond LP Needle

Ultra-convenient operation, elegant styling, and flawless performance from stereo or monophonic high-fidelity records—that's the heritage of Webcor's "Imperial" changer. Includes the outstanding Shure M8D "Custom Dynetic" magnetic stereo cartridge with .0007" diamond LP needle.

Check these deluxe features: specially designed 4-pole, 4-coil motor for phenomenally smooth and quiet performance; exclusive "anti-rumble ribs" on main-plate to absorb vibrations and eliminate rumble; straight spindle; 4-speed operation with automatic intermix of 10" and 12" records at 33⅓-rpm speed; top-of-arm counterbalance for precise stylus weight adjustment; 9" rubber-matted turntable; automatic shutoff after last record; "torsion spring" action to permit moving pickup arm at any time; and highly attractive golden beige and brown color styling. With M8D cartridge (installed), two 36" phono cables, template, AC cord and plug. Less base, below. For 110-120 v., 60 cycle AC. Shpg. wt. 11½ lbs.

89 RX 719. *$5 Down.* NET 65.71

METAL BASE FOR ABOVE. Styled in brown to harmonize with the Model 1031-21. Shpg. wt., 3 lbs.

89 RX 639. NET 5.68

Distinctively styled and precisely engineered, the "Imperial" is Webcor's blue-ribbon candidate for smooth performance in stereo high-fidelity systems.

NEW "REGENT CORONET" TAPE DECK

For 2 and 4-Track Stereo Recording

NET

$215.55

$10 Down

- Makes High-Quality Stereophonic and Monophonic Recordings
- Has VU Meter, Digital Tape Counter
- 3 Speeds: 1⅞, 3¾ and 7½ ips
- Cathode-Follower Outputs

MODEL 2150. Loaded with features! 2 or 4-track stereo recording (and monophonic recording at the flip of a switch); 3 speeds; belt-driven tape transport; professional type editing key; record safety lock; automatic shutoff of amplifier and recorder mechanism; VU meter for correct recording level; numerical tape counter; Monitor-Volume, Fast Forward, Fast Rewind, Pause controls; 2 mike inputs; heavy-duty 4-pole motor; and many more. Cathode-follower outputs permit using long interconnecting cables without loss of high frequency response.

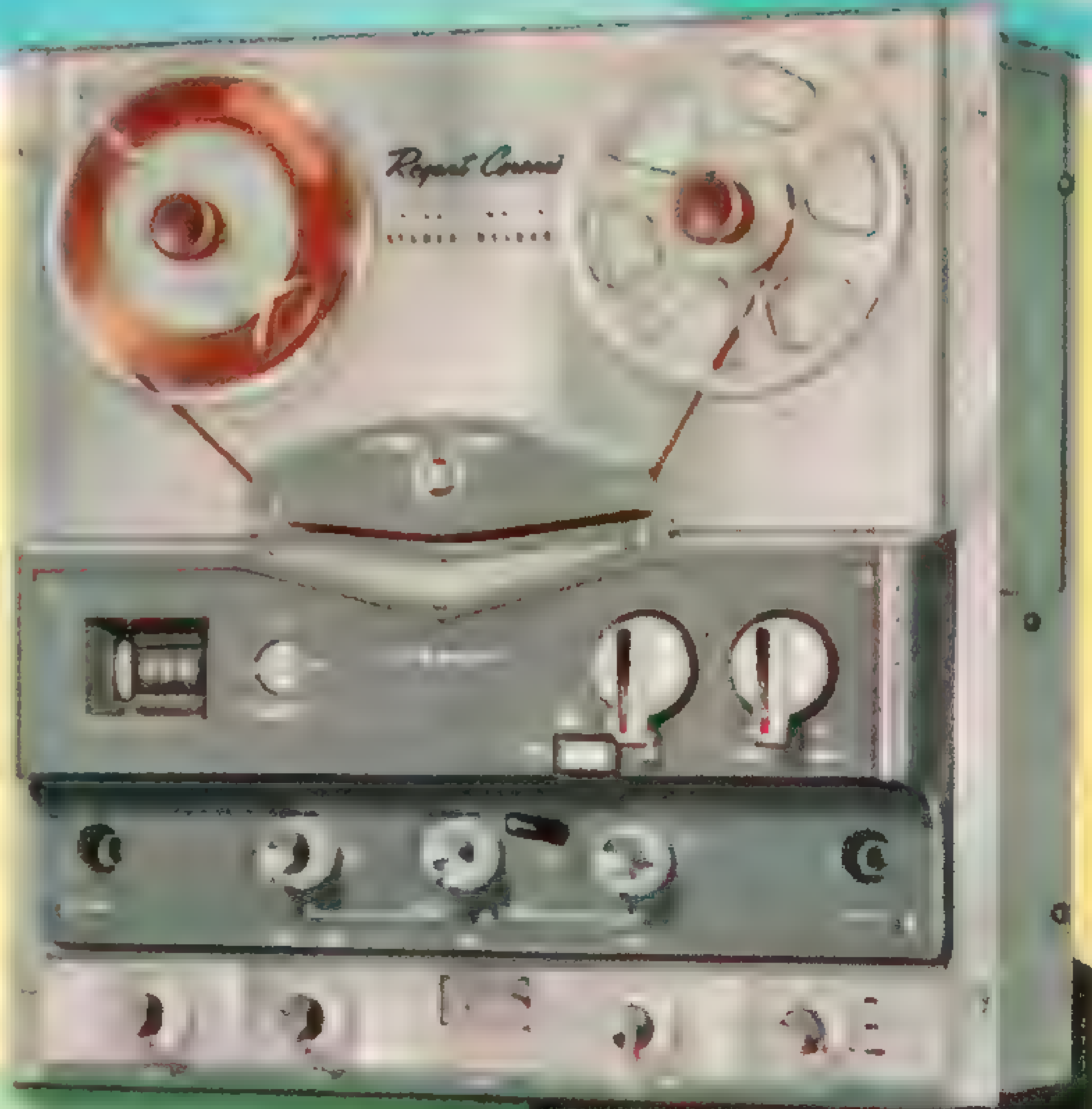
Has two built-in stereo preamps. **Response:** at 7½ ips, ±3 db 40-14,000 cps—at 3¾ ips, ±2 db at 50-7000 cps—response at 1⅞" speed is ample for excellent voice reproduction. **Wow and Flutter:** 0.2% at 7½ ips. **Signal-to-Noise Ratio:** better than 50 db. 15x15x7½". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 26 lbs.

90 RZ 701. *$10 Down.* NET 215.55

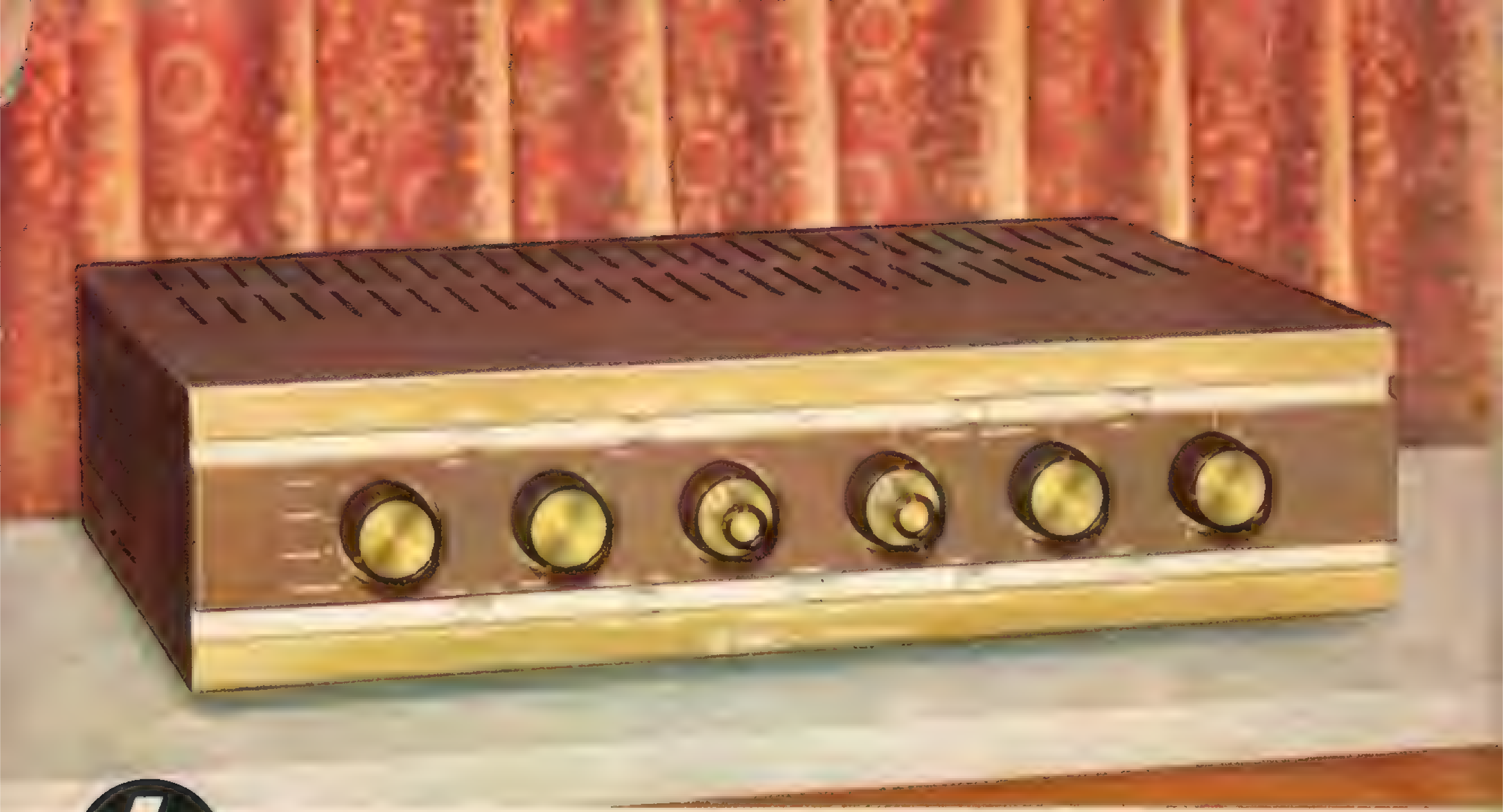
CASE FOR ABOVE. For carry-about use of the Model 2150. Two-tone gray leatherette. Shpg. wt., 13 lbs.

90 RZ 702. NET 33.81

See Page 90 for Complete Listings
of Webcor Changers and Accessories



Use it Horizontally or Vertically, or with Case for Portable Applications



Super-Power knight-kit® 70-Watt Stereo Amplifier Kit

A PRODUCT OF ALLIED RADIO

PROFESSIONAL FLEXIBILITY . . . DRIVES LOW-EFFICIENCY SPEAKERS WITH EASE

ONLY
$119.95
$5
DOWN

Easy to Build . . .

CUSTOM-QUALITY STEREO HIGH-FIDELITY IN MONEY-SAVING, FUN-TO-BUILD FORM

- Full Rated Power Output of 70 Watts—35 Watts Per Stereo Channel
- Provides Every Necessary Stereophonic Function for Superb Performance
- Special Features for Tape Recording
- Wide Frequency Response—±1 db, 20-30,000 cps at 70 Watts Output
- Extremely Low IM Distortion—Less Than 1% at Full 70 Watts Output

See Pages 244-245 for full details on this superb stereo amplifier.

A feature-packed stereo masterpiece—a complete 70-watt stereo amplifier in money-saving Knight-Kit build-your-own form. A splendid choice for those who insist upon flawless reproduction, unlimited control flexibility and plenty of reserve power. An outstanding engineering achievement, offering a brilliant standard of performance, this new amplifier is easily comparable to the finest, most costly factory-wired units.

Ultra-versatile, yet amazingly easy to operate, this superb new amplifier has an array of premium-quality features: special stereo "Blend" control adjusts channel separation to provide optimum stereo sound without a "hole-in-the-middle"—even in rooms where speakers must be widely spaced; "Center-Channel" output permits adding a center stereo speaker and/or extension monophonic speakers—without the use of mixing transformers, etc.; "Tape-Source" monitor switch permits comparing tape with input source when recording; *two* phasing switches allow proper phasing of center channel as well as left and right stereo channels; input paralleling switch assures exceptionally clean reproduction when playing monophonic records with your stereo cartridge; also numerous other deluxe features and operating conveniences.

Handsomely styled steel case with Cordovan Gray bonded vinyl finish—¼"-thick extruded aluminum panel in Desert Beige and Sand Gold. Complete with wire and solder, 4⅛(plus ⅝" legs)x17½x13¼". For 105-125 v., 60 cycle AC. Shpg. wt., 31 lbs.

83 YU 934. *$5 Down.* **ONLY**. 119.95

Matching Knight-Kit Deluxe FM Tuner and Stereo FM-AM Tuner Kits Are Listed in This Catalog on Pages 248 and 249

THERE'S AN EXCITING KNIGHT-KIT FOR EVERY NEED—HI-FI, HOBBY, TEST INSTRUMENTS, AMATEUR RADIO . . .

SEE PAGES 241-296

NAME______________________________ ADDRESS______________________________

CITY______________________ ZONE______ STATE________________

EVERYTHING IN Electronics

Thank you for your order

BEFORE SEALING ENVELOPE

Please be sure to:

- ✓ Enclose money order or check
- ✓ Write or print your name and address plainly
- ✓ Give correct stock numbers and descriptions

PLEASE
PLACE
STAMP
HERE

ALLIED RADIO

100 N. WESTERN AVENUE
CHICAGO 80, ILLINOIS

EVERYTHING IN Electronics

Order Blank

ALLIED RADIO
CORPORATION
100 N. WESTERN AVE. • CHICAGO 80, ILL.

TELEPHONE
HAymarket 1-6800

Date ____________________ 19____

❶ PLEASE PRINT OR WRITE NAME AND ADDRESS PLAINLY

Name ____________________

Street Address ____________________ Rural Route ________ Box No. ________

City or Town ____________________ City Zone ________ State ____________________

❷ SHIP TO ANOTHER ADDRESS? Give directions here.

Name ____________________

Shipping Address ____________________

City ____________________ State ____________________

❸ HOW SHALL WE SHIP?

☐ PARCEL POST
Please include enough for postage; any excess is refunded

☐ EXPRESS ☐ TRUCK ☐ OTHER (Please Specify) ____________________

ON EXPRESS OR TRUCK ORDERS: Do not send money for shipping charges—charges will be collected upon delivery.

❹ IF THIS IS YOUR FIRST ORDER TO US, please check here ☐

❺ IF YOU HAVE MOVED SINCE YOUR LAST ORDER —write your old address here:

Street Address ____________________

Post Office ____________________

State ____________________

Please do not write in this space

Please Do Not Use This Column	Stock Number	Quantity	Manufacturer's Type Number	DESCRIPTION	Do Not Use	PRICE: Each, Foot, Set, Pair, Roll, Pkg., Etc.		Put Total Price Here and Add This Column		Please Do Not Use This Column	Shipping Weight LBS.	OZ.

TERMS—On cash sale, please include full payment for merchandise plus postage. We ship C.O.D. on orders with deposit. All trade discounts have already been deducted in our NET catalog prices. All prices are net, f.o.b. Chicago or factory. Please see reverse side for Easy Payment Plan on selected merchandise.

IMPORTANT

Please use a separate sheet for all correspondence not directly connected with this order. It will speed your order and assure a prompt response to your letter.

25

❽ PLEASE FILL IN
Merchandise ordered from Allied Catalog No. ________

❼ ENTER AMOUNT ENCLOSED

☐ CASH ORDER. Paid in full $________

☐ C.O.D. ORDER. Deposit $________
(We will ship balance C.O.D.)

☐ EASY PAYMENT ORDER
☐ Regular Terms ☐ Extended Terms
Down Payment $________

If you send currency, be sure to register letter

❻ AMOUNT FOR GOODS				TOTAL LBS.	OZ.
AMOUNT FOR PARCEL POST AND INSURANCE (Do not remit for express charges)					
AMOUNT DUE ALLIED From Previous Order				TOTAL POUNDS	
TOTAL AMOUNT					

PLEASE SEE REVERSE SIDE FOR EASY PAYMENT PLAN

ALLIED'S Easy Payment Plan

EASY PAYMENT TERMS

All merchandise sold by ALLIED is available on Easy Payment terms. Please fill in contract below. The table at the right shows the regular Easy Pay terms. For extended terms (up to 24 months), see the Easy Payment page in our latest Catalog. Please check in space provided on reverse side whether you want regular or extended terms.

Minimum Order — $20.00 total cash value.

Down Payment — Orders of $20.00 to $50.00, $2.00 down; orders of $50.01 to $200.00, $5.00 down; orders over $200.00, $10.00 down. (Larger down payment reduces handling charge and monthly payment.) No down payment required on add-ons of less than $100.00.

Handling Charge and Monthly Payments — Table at right shows Regular Easy Pay terms. For extended terms at lower monthly payments, please see our latest catalog.

Refund of Charges for Advance Payment — All handling charges refunded if payments completed within 60 days after shipment.

Additional Purchases — Once your credit is established, you can "add-on" to your account with purchases of $20.00 or more. No down payment is required on add-ons or re-opened accounts for less than $100.00. Simply list the items you want on our order blank, write "Add to my account" and give your account number. Please be sure to sign the Easy Payment Agreement, and indicate whether you prefer the Regular or Extended Terms.

Monthly Statement — A statement of your account is mailed each month.

EASY PAYMENT TABLE

IF UNPAID BALANCE IS	HANDLING CHARGE	MONTHLY PAYMENT	IF UNPAID BALANCE IS	HANDLING CHARGE	MONTHLY PAYMENT
Up to $ 20.00	$ 2.00	$ 5.00	$130.01 to $140.00	$14.00	$11.00
$ 20.01 to 30.00	3.00		140.01 to 160.00	16.00	12.00
30.01 to 40.00	4.00		160.01 to 180.00	18.00	13.00
40.01 to 50.00	5.00		180.01 to 200.00	20.00	14.00
50.01 to 60.00	6.00	6.00	200.01 to 225.00	22.50	15.00
60.01 to 70.00	7.00	7.00	225.01 to 250.00	25.00	16.00
70.01 to 80.00	8.00		250.01 to 275.00	27.50	17.00
80.01 to 90.00	9.00	8.00	275.01 to 300.00	30.00	19.00
90.01 to 100.00	10.00	9.00	300.01 to 350.00	35.00	21.00
100.01 to 110.00	11.00	10.00	350.01 to 400.00	40.00	24.00
110.01 to 120.00	12.00		400.01 to 450.00	45.00	27.00
120.01 to 130.00	13.00		450.01 to 500.00	50.00	30.00

NOTE: On orders over $500.00, send down payment of $10.00 or more. Payments and handling charge will be in proportion to amounts shown on chart. *For special Extended Terms at lower monthly payments, see our latest catalog.

NOTICE TO THE BUYER—RETAIL INSTALLMENT CONTRACT

Do not sign this contract before you read it. Under the law you have the following rights among others: a) To pay off in advance the full amount due and obtain a partial refund of the finance charge; b) Under certain conditions to redeem the property, if repossessed for a default.

FILL IN THIS FORM WHEN ORDERING ON EASY PAYMENT

Please answer all questions fully to help establish your credit promptly. Write your order on the reverse side.

NOTE: Easy payment contracts cannot be accepted from persons under 21 years of age. If you are under 21, have this form filled out by a person of legal age, regularly employed or engaged in business. He can make the purchase for you, and will be responsible for payment.

ALLIED RADIO CORP., CHICAGO, ILL.

RETAIL INSTALLMENT CONTRACT

Enclosed is a deposit of $__________ on the Easy Payment cost of the equipment listed on the reverse side. I will pay $__________ each month at your office, starting thirty days after shipment, as required by the terms stated in your current catalog, until the total time payment price is paid. The title to, and right of possession of the equipment shall remain with you until fully paid. It is agreed that I will protect the equipment, and will not sell, mortgage, remove, or otherwise deprive you of possession of it without your consent in writing. Upon default of any payment or payments, you may declare the entire unpaid balance due at once, and hold me liable for the full unpaid balance, or you may retake the equipment, as you may elect. If this order is not accepted by you on Time Payment, you are to refund the deposit with notice of non-acceptance. Acceptance of this order shall be effected only by your shipment to me of the equipment listed on the reverse side. For the purpose of receiving credit on this basis, I make the following representations:

Your written signature X__________

Please check correct box: ☐ New Account ☐ Add-on ☐ Re-open Account No.__________

Name__________ Phone No.__________ Age__________

Home Address__________ How Long At This Address__________

City & State__________ ☐ Rent ☐ Own ☐ Single ☐ Married No. of Dependents__________

Previous Address__________ How Long__________

If on Active Duty Give Military Address__________ Serial No.__________

Present Employer__________ Position__________ Monthly Income $__________

Business Address__________ How Long__________

Previous Employment__________ How Long__________
(Name) (Address)

Spouse's Employer__________ How Long__________
(Name) (Address)

Bank Account with__________ Savings ☐ Checking ☐
(Name) (Address)

Credit Account with__________ Highest Credit $__________ Open ☐ Closed ☐
(Name) (Address)

Credit Account with__________ Highest Credit $__________ Open ☐ Closed ☐
(Name) (Address)

IMPORTANT: Please sign this form on line "X" before mailing. Be sure to give age.